ORGANIC DATA REVIEW CHECKLIST FOR GC/MS (revised 8/14/03; converted 10/14/08)

Site Name: Dimock **Project #:** 12SF073 **ABN** ☑ **VOA** ☐

	Item	Comments	✓
Package Overview	All results present? (All samples reported)		✓
	Special requests done? (Low level DL, etc)		✓
	Work Order Notes document all problems?		✓
Quality Control	Holding times checked? (In limits; or reported)		✓
	IPCs verified? (DFTPP or BFB; breakdown)	N/A ✓	N/A
	ICAL passes criteria? (must print man. integ.)	- integrations on 0.5, 1.0, 2.0 include noise and need to be corrected ✓ ~~before curve is used again~~ recalc data after corrections. ✓	✓
	Con. Cal. passes criteria? (must print man. integ.)	EGT ~~AF~~ 3/9/12 - Nothing in SK's ✓	✓
	Calibration Status Report included (time/date stamp)?	EXPLAIN TIME STAMP DIFF.	✓
	Surrogates checked? Pass criteria?		N/A
	Matrix spikes checked? Pass criteria?	7.5 ml is the starting volume Not 10 ml due to large amt of spiked added. ✓	
	Blanks checked? Bk related probs?		✓
	LFB/LCS checked? Probs?	Missing PG - MS/MSD ok ✓	✓
	Area checks done? (ISTDs in limits)		N/A
Target Data	Final reports accurate? Document all inaccuracies.	- all non-detects after recale	✓
	All targets reported?		✓
	RLs accurate?		✓
	Calculation checks:	Sample Vol./DLF? ✓ / Calculation ck? / Date/Time Stamp ck?	✓
	Identification verified? (Spectra, RT and qualifiers)		✓
	Integrations checked? (Manual and software)		✓
	Man. integrations highlighted and clearly printed out?		✓

TIC DATA	Item	Comments			✓
	Final reports accurate? Document all inaccuracies.	N/A ✓			
	All significant peaks reported? (No peaks missed)				
	Identification checked? (Spectra and Ion Ratios)				
	Calculation checks:	Sample volume?		Dilution factors?	
	TIC reports consistent?				

Data Package Content:

File Component Check	Item	✓	Item	✓	Item	✓
	1. General Info: includes Work Order, sample prep sheets, logbook copies; Work Order Notes	✓	2. Target Data: includes copy of final report, detailed quant reports and chromatograms	✓	3. TIC Data: includes copy of final report, detailed LSC rpt and chromatogram.	N/A
	4. Matrix Spike, LFB/LCS and Blank Data	✓	5. IPCs (DFTPP/BFB)	N/A	6. Calibration Data (ICAL and Continuing Cal)	✓

GENERAL COMMENTS: _____

REVIEWER: David Spencer **Area:** GC___ GC/MS ✓ Other___ **DATE:** 4/27/12

3/28/12

CORRECTIVE ACTION BY ANALYST:

Item Corrected: PARTIALLY REVIEWED THE WEEK OF 3/11/12, REVIEW COMPLETED 4/27/12 David

Corrected by: David Spencer **Date:** 4/27/12

Item Corrected: _____

Corrected by: _____ **Date:** _____

Data file

3-3-12	SAMPLE CONTINUATION	ALS	INJ VOL	ACQUIRED method	QUANTITATION METHOD	ANALYST
0Std1314	1 ug/mL E/P GLYCOL std mdl-6	9	1 µL	GLYCOL.M	GLYCOL120301	KWS
0Std1315	1 ug/mL E/P GLYCOL std mdl-7	10	"		"	
0BLK1316	blK	11	"		"	
0Std1317	.50 ug/mL E/P GLYCOL std	12	"		GLYCOL120301	KWS
0Std1318	.50 ug/mL E/P GLYCOL std	12	"		"	
0Std1319	1.0 ug/mL E/P GLYCOL std	13	"		"	
0Std1320	1.0 ug/mL E/P GLYCOL std	13	"		"	
0Std1321	2.0 ug/mL E/P GLYCOL std	14	"		"	
0Std1322	2.0 ug/mL E/P GLYCOL std	14	1 µL	GLYCOL	GLYCOL120301	KWS
0Std1323	5 ug/mL E/P GLYCOL std	15	"		"	
0Std1324	10 ug/mL E/P GLYCOL std	16	"		"	
0Std1325	25 ug/mL E/P GLYCOL std	17	"		"	
0Std1326	50 ug/mL E/P GLYCOL std	18	"		"	
0Std1327	100 ug/mL E/P GLYCOL std	19	"		"	
0Std1328	150 ug/mL E/P GLYCOL std	20	"		"	
0Std1329	200 ug/mL E/P GLYCOL std	21	"		"	
0BLK1330	blK	22	"		"	
0BLK1331	blK	22	"		"	
0LCS1332	50 ug/mL Ethylene GLYCOL std	23	1 µL	GLYCOL	GLYCOL120305	KWS
0BLK1333	blK	24	"		"	
0Std1334	1 ug/mL E/P GLYCOL std mdl-1	25	"		"	
0Std1335	1 ug/mL E/P GLYCOL std mdl-2	26	"		"	
0Std1336	1 ug/mL E/P GLYCOL std mdl-3	27	"		"	
0Std1337	1 ug/mL E/P GLYCOL std mdl-4	28	"		"	
0Std1338	1 ug/mL E/P GLYCOL std mdl-5	29	"		GLYCOL120305	KWS
0Std1339	1 ug/mL E/P GLYCOL std mdl-6	30	"		"	
0Std1340	1 ug/mL E/P GLYCOL std mdl-7	31	"		"	
0Std1341	50 ug/mL E/P GLYCOL std	32	"		"	
3-7-12	DIMOCK RESIDENTIAL GROUNDWATER (1203005)					
Std1342	50 µg/mL E/P GLYCOL std (B2C0702-BS1)	1		GLYCOL	GLYCOL120301	KWS
LCS1343	50 µg/mL ETHYLENE GLYCOL std	2				
BLK1344	BLANK (B2C0702-BLK1)	3				
BNA1345	1203005-01A	4				
BNA1346	1203005-02A	5				
BNA1347	1203005-02B (B2C0702-MS1)	6				
BNA1348	1203005-02C (B2C0702-MSD1)	7				
BLK1349	CLEAN UP blK	8				

Data File	Sample	ALS	INJ VOL	Acquired Method	Quantitation Method	ANALYST
10BNA1350	1203005-03 A	9	1µL	GLYCOL	GLYCOL120301.M	KWS
10BNA1351	1203005-03 B	10	1µL	↓	↓	KWS
3-9-12	Dimock Residential Groundwater				work orders: 1203005, 1203007 + 1203012	
10STD1352	50 ug/mL Ethylene Propylene Glycol std	1	1µL	Glycol	GLYCOL120305.M	KWS
10STD1353	50 ug/mL Ethylene Propylene Glycol std PG↑	1				
10LCS1354	50 ug/mL Ethylene Glycol std	2				
10BLK1355	blk (Aq)	3				
10BNA1356	1203005-02A	4				
10BNA1357	1203005-02B (B2C0702-MS1)	5				
10BNA1358	1203005-02C (B2C0702-MSD1)	6	1µL	GLYCOL	GLYCOL120305.M	KWS
10BNA1359 BLK KWS	blk	7				
10BLK1360	blk	8				
10BNA1361	1203005-01A	9				
10BNA1362	1203005-03A	10				
10BNA1363	1203005-02B (B2C0702-MS1)	11				
10BNA1364	1203005-02C (B2C0702-MSD1)	12				
10BNA1365	1203005-02B (B2C0702-MS1(R))	13				
10BLK1366	blk.	14	1µl	GLYCOL	GLYCOL120305.M	KWS
10BLK1367	blk.	15				
10BNA1368	1203007-01A	16				
10BNA1369	1203007-02A	17				
10BNA1370	1203007-03A	18				
10BNA1371	1203007-04A	19				
10BNA1372	1203012-01A	20				
10BNA1373	1203012-02A	21	1µL	GLYCOL	GLYCOL120305.M	KWS
3-14-12						
10STD1374	50ug/mL Ethylene Propylene Glycol std	1	1µL	GLYCOL	GLYCOL120305.M	KWS
10LCS1375	50ug/mL Ethylene Propylene Glycol std	1	1µL			KWS
10STD1376 Should have been BLK-005	" "	1	1µL			KWS
10BLK1377	blk (Aq)	3	1µL	↓	↓	KWS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 6 Environmental Services Branch Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name	Dimock Residential Groundwater Site
Contact	Cynthia Caporale (3EA21)
Project No.	12SF073
Work Order(s)	1203005

Analyses included in this report:
ABN Glycols

Work Order Memo

ABN Glycols Notes: kws

1) ~~B2C0702-MSD2., Ethylene glycol exceededthe upper control limit.~~ OK DLN FACTOR Removed

2) B2C-0702-BS1, Propylene is missing in the alternate standard.

K W Stevens 3-28-12
Analyst Date

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 6 Environmental Services Branch Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

DRAFT

Site Name ---------- Dimock Residential Groundwater Site
Contact ---------- Cynthia Caporale (3EA21)
Project No. ---------- 12SF073
Work Order(s) ---------- 1203005

Analyses included in this report:
ABN Glycols

Work Order Memo

ABN Glycols Notes: kws

recalc OK

1) B2C0702-BLK2., Ethylene glycol is greater than MRL. No glycols were detected in the samples.

2) B2C-0702-BS1, Propylene is missing in the alternate standard.

KW Stevens 3-15-12
Analyst Date

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

10625 Fallstone Rd, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

WORK ORDER **Printed: 3/7/2012 1:58:36PM**

1203005

U.S. EPA, Region 6 ATTN: Christy Warren

Client: R6 Regional Support **Project Manager: Christy Warren**
Project: Dimock Residential Groundwater Site **Project Number: 12SF073**

Report To:
R6 Regional Support
Cynthia Caporale (3EA21)
10625 Fallstone Road
Houston, TX 77099
Phone: (281) 983-2100
Fax: (281) 983-2248

GPRA Code:
Cerclis Number:
Site Spill ID:

Date Due: 03/28/12 15:00 (15 day TAT)
Received By: Isaiah Harris Date Received: 03/07/12 09:50
Logged In By: Christy Warren Date Logged In: 03/07/12 11:59

Prelim results ASAP. Final hardcopy TAT = 21 days

Samples Received at:	6°C		
Package Custody Seal	Yes	Sample Tags	No
On Ice	Yes	Chain of Custody	Yes
Intact	Yes	Preserved	No
Sample Custody Seals	Yes		

Analysis	Due	TAT	Expires	Comments
1203005-01 FB19 [Liquid] Sampled 03/05/12 09:36 Central				
ABN Glycols	03/28/12 12:00	15	03/12/12 09:36	
1203005-02 HW56 [Liquid] Sampled 03/05/12 16:54 Central				**Extra volume for QC**
ABN Glycols	03/28/12 12:00	15	03/12/12 16:54	
1203005-03 HW60 [Liquid] Sampled 03/05/12 12:25 Central				
ABN Glycols	03/28/12 12:00	15	03/12/12 12:25	

Samples By Department

ABN

Reviewed By Date

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

10625 Fallstone Rd, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

WORK ORDER **Printed: 3/9/2012 12:53:49PM**

1203007

U.S. EPA, Region 6 ATTN: Christy Warren

Client: R6 Regional Support **Project Manager: Christy Warren**
Project: Dimock Residential Groundwater Site **Project Number: 12SF073**

Report To:
R6 Regional Support
Cynthia Caporale (3EA21)
10625 Fallstone Road
Houston, TX 77099
Phone: (281) 983-2100
Fax: (281) 983-2248

GPRA Code:
Cerclis Number:
Site Spill ID:

Date Due: 03/29/12 15:00 (15 day TAT)
Received By: Isaiah Harris Date Received: 03/08/12 09:00
Logged In By: Isaiah Harris Date Logged In: 03/08/12 10:47

Prelim results ASAP. Final hardcopy TAT = 21 days

Samples Received at:	4°C		
Package Custody Seal	Yes	Sample Tags	Yes
On Ice	Yes	Chain of Custody	Yes
Intact	Yes	Preserved	No
Sample Custody Seals	No		

Analysis	Due	TAT	Expires	Comments
1203007-01 FB20 [Liquid] Sampled 03/06/12 14:00 Central				
ABN Glycols	03/29/12 12:00	15	03/13/12 14:00	
1203007-02 HW61 [Liquid] Sampled 03/06/12 15:42 Central				
ABN Glycols	03/29/12 12:00	15	03/13/12 15:42	
1203007-03 HW61-P [Liquid] Sampled 03/06/12 16:00 Central				
ABN Glycols	03/29/12 12:00	15	03/13/12 16:00	
1203007-04 HW61z [Liquid] Sampled 03/07/12 15:42 Central				
ABN Glycols	03/29/12 12:00	15	03/14/12 15:42	

Samples By Department

ABN

Reviewed By Date

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

10625 Fallstone Rd, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

WORK ORDER **Printed: 3/9/2012 12:54:01PM**

1203012

U.S. EPA, Region 6 ATTN: Christy Warren

Client: R6 Regional Support **Project Manager: Christy Warren**
Project: Dimock Residential Groundwater Site **Project Number: 12SF073**

Report To:
R6 Regional Support
Cynthia Caporale (3EA21)
10625 Fallstone Road
Houston, TX 77099
Phone: (281) 983-2100
Fax: (281) 983-2248

GPRA Code:
Cerclis Number:
Site Spill ID:

Date Due: 03/30/12 15:00 (15 day TAT)
Received By: Isaiah Harris Date Received: 03/09/12 09:30
Logged In By: Christy Warren Date Logged In: 03/09/12 09:32

Prelim results ASAP. Final hardcopy TAT = 21 days

Samples Received at:	4°C		
Package Custody Seal	Yes	Sample Tags	Yes
On Ice	Yes	Chain of Custody	Yes
Intact	Yes	Preserved	No
Sample Custody Seals	No		

Analysis	Due	TAT	Expires	Comments
1203012-01 FB21 [Liquid] Sampled 03/08/12 13:38 Central				
ABN Glycols	03/30/12 12:00	15	03/15/12 13:38	
1203012-02 HW50 [Liquid] Sampled 03/08/12 15:09 Central				
ABN Glycols	03/30/12 12:00	15	03/15/12 15:09	

Samples By Department

ABN

Reviewed By Date

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Rd., Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SAMPLE PREPARATION BENCH SHEET

Batch#: B2C0702

Prepared using: ABN - ABN Aq Dir Inj

Printed: 3/15/2012 11:09:13AM

(No Surrogate)

Matrix: Liquid

(No Surrogate)

Concentration Method:

Clean Up Method:

Lab Number & Container	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike1 ID	µl Spike1	Spike2 ID	µl Spike2	µl Surr1	µl Surr2	Project	Extraction Comments
1203005-01 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203005-02 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203005-03 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203007-01 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203007-02 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203007-03 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203007-04 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203012-01 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
1203012-02 A	ABN Glycols	03/09/12	1	1								Dimock Residential Groundwater Site	
B2C0702-BLK1	QC	03/09/12	1	1									
B2C0702-BLK2	QC	03/14/12	1	1									
B2C0702-BS1	QC	03/09/12	10	10		2031502	2500						
B2C0702-BS2	QC	03/14/12	10	10		2031501	2500						
B2C0702-MS1	QC INITIALVOL	03/09/12	10	10	1203005-02	2031501	2500						
B2C0702-MSD1	QC =7.5ml FV=10ml	03/09/12	10	10	1203005-02	2031501	2500						

FV 10ml

Ethylene/Propylene Glycol Std-200 Std# 2031501 Conc: 200 Expires: 03/15/13

Ethylene Glycol Std-200 Std# 2031502 Conc: 200 Expires: 03/01/13

N/A
Extraction Solvent Lot No.

NO FINAL SOLVENT WAS USED
Final Solvent Lot No.

K.W. Stevens 3-15-12
Prepared By Date

Reviewed By Date

DIM0096311

DIM0096205

Analytical Standard Record

U.S. EPA, Region 6 ATTN: Christy Warren

2031501

Description:	Ethylene/Propylene Glycol Std-200	Expires:	03/15/13
Standard Type:	Analyte Spike	Prepared:	03/15/12
Solvent:	water	Prepared By:	Kenneth Stevens
Final Volume (mls):	10	Department:	ABN
Vials:	1	Last Edit:	03/15/12 08:09 by kws

Analyte	CAS Number	Concentration	Units
Propylene glycol	57-55-6	200	ug/mL
Ethylene glycol	107-21-1	200	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
2022901	Stock Glycols Standard	02/29/12	** Vendor **	07/31/14	02/29/12 11:20 by DS	0.04

KW Stevens 3-15-12

Reviewed By Date

Analytical Standard Record

U.S. EPA, Region 6 ATTN: Christy Warren

2031502

Description:	Ethylene Glycol Std-200	Expires:	03/01/13
Standard Type:	Analyte Spike	Prepared:	03/15/12
Solvent:	water	Prepared By:	Kenneth Stevens
Final Volume (mls):	10	Department:	ABN
Vials:	1	Last Edit:	03/15/12 08:39 by kws

Analyte	CAS Number	Concentration	Units
Ethylene glycol	107-21-1	200	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
2030104	Ethylene Glycol Stock	03/01/12	** Vendor **	03/01/13	03/01/12 09:03 by kws	0.2

K.W. Stevens 3-15-12

Reviewed By Date

Analytical Standard Record

U.S. EPA, Region 6 ATTN: Christy Warren

2030104

Description:	Ethylene Glycol Stock	Expires:	03/01/13
Standard Type:	Other	Prepared:	03/01/12
Solvent:	water	Prepared By:	** Vendor ** Acs td
Final Volume (mls):	1	Department:	ABN
Vials:	1	Last Edit:	03/01/12 09:03 by kws

Alternate std

Analyte	CAS Number	Concentration	Units
Ethylene glycol	107-21-1	10000	ug/mL

K.W. Stevens 3-15-12

Reviewed By Date

Analytical Standard Record

U.S. EPA, Region 6 ATTN: Christy Warren

2022901

Description:	Stock Glycols Standard	Expires:	07/31/14
Standard Type:	Other	Prepared:	02/29/12
Solvent:	Water	Prepared By:	** Vendor **
Final Volume (mls):	1	Department:	ABN
Vials:	1	Last Edit:	02/29/12 11:20 by DS

DS

Analyte	CAS Number	Concentration	Units
Propylene glycol	57-55-6	50000	ug/mL
Ethylene glycol	107-21-1	50000	ug/mL

K.W. Stewart 3-15-12

Reviewed By Date

Analytical Standard Record

U.S. EPA, Region 6 ATTN: Christy Warren

2030105

Description:	Ethylene Glycol Std-50 (LCS)	Expires:	03/01/13
Standard Type:	Analyte Spike	Prepared:	03/01/12
Solvent:	water	Prepared By:	Kenneth Stevens
Final Volume (mls):	10	Department:	ABN
Vials:	1	Last Edit:	03/14/12 10:26 by DBA

Alternate standard

Analyte	CAS Number	Concentration	Units
Ethylene glycol	107-21-1	50	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
2030104	Ethylene Glycol Stock	03/01/12	** Vendor **	03/01/13	03/01/12 09:03 by kws	0.05

K.W. Stevens 3-15-12

Reviewed By Date

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS
ABN Glycols

Lab ID: 1203005-01 **Station ID: FB19**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/05/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

2.0

DRAFT

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1361.D
Acq On : 9 Mar 2012 12:59 pm
Operator : kws
Sample : 1203005-01 Inst : Betty
Misc : 1x 1 µL 1203005-01 A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 13:33:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.104	45	102	N.D.	
2) Ethylene Glycol	9.570	31	780	0.14 ug/ml#	47

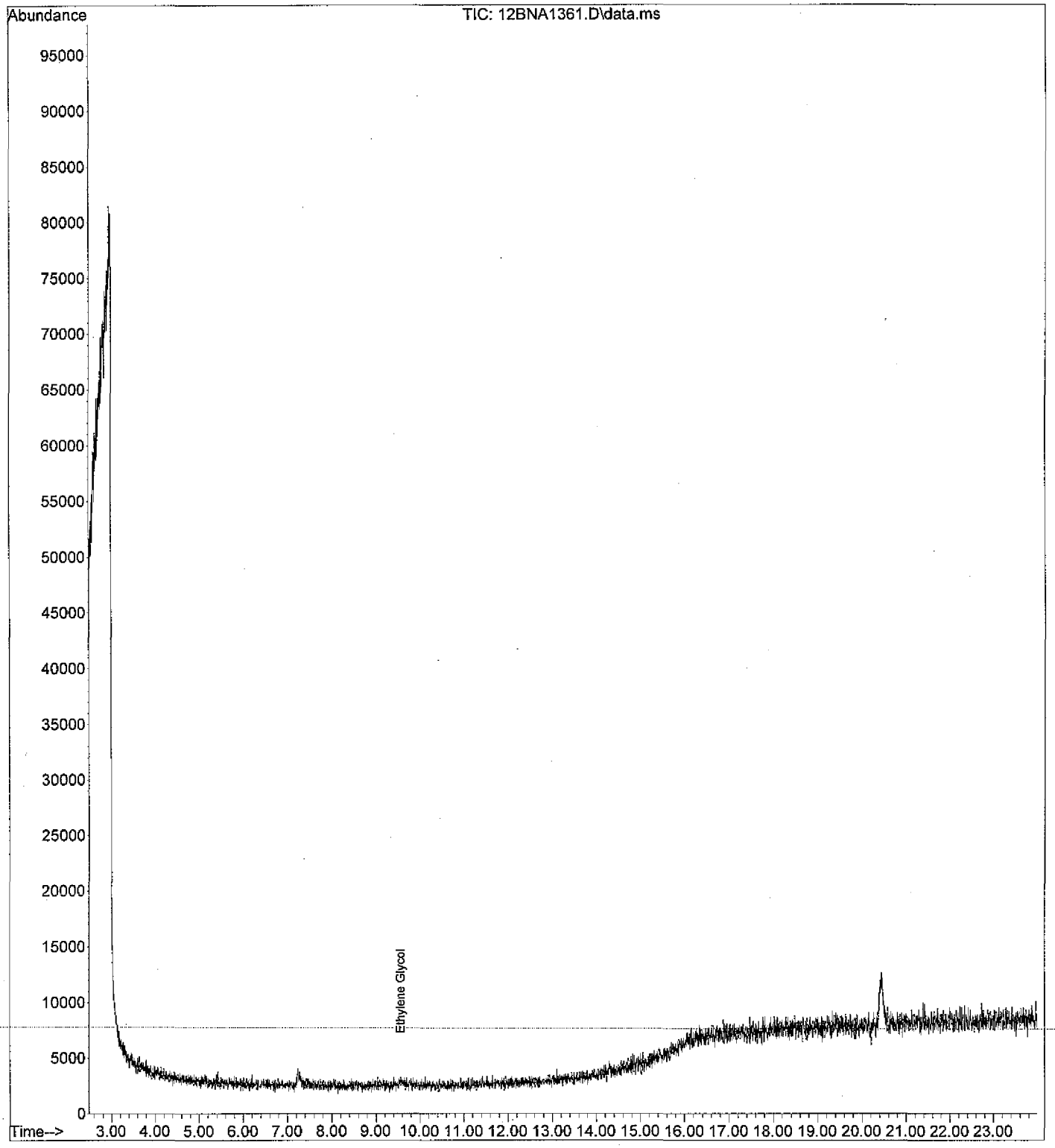
(#) = qualifier out of range (m) = manual integration (+) = signals summed

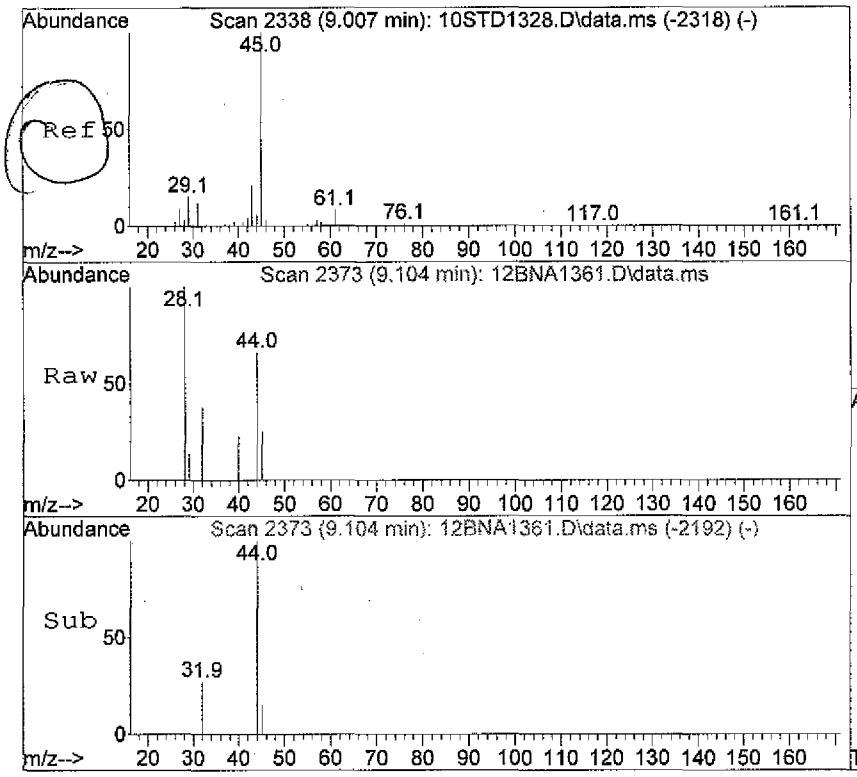
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1361.D
Acq On : 9 Mar 2012 12:59 pm
Operator : kws
Sample : 1203005-01 Inst : Betty
Misc : 1x 1 µL 1203005-01 A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 13:33:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

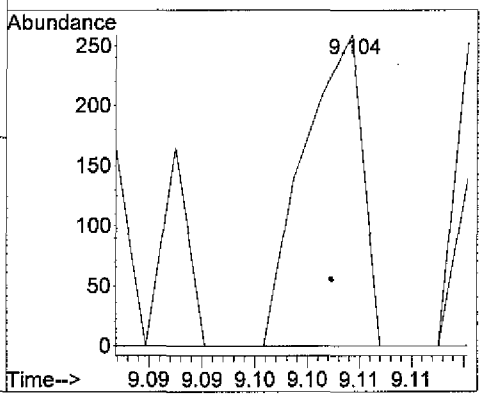


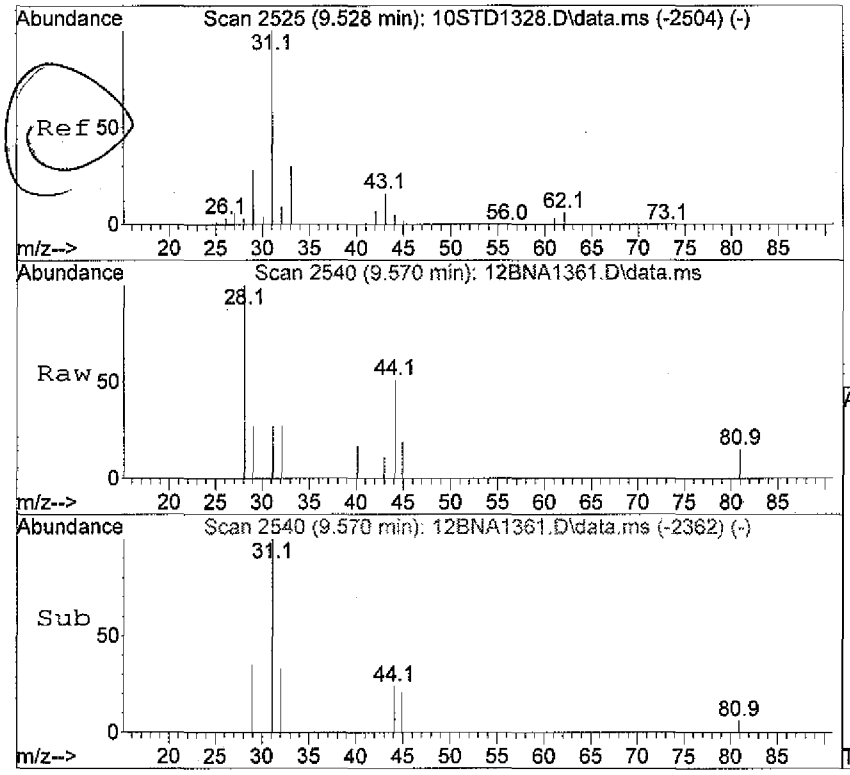


#1
Propylene Glycol
Concen: Below Cal
RT: 9.104 min Scan# 2373
Delta R.T. 0.005 min
Lab File: 12BNA1361.D
Acq: 9 Mar 2012 12:59 pm

Tgt Ion: 45 Resp: 102

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

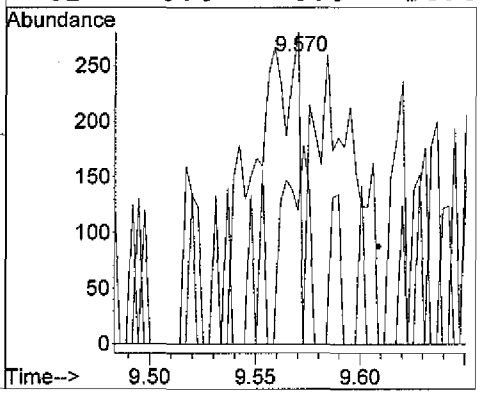




#2
Ethylene Glycol
Concen: 0.14 ug/ml
RT: 9.570 min Scan# 2540
Delta R.T. -0.003 min
Lab File: 12BNA1361.D
Acq: 9 Mar 2012 12:59 pm

Tgt Ion: 31 Resp: 780

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	42.9	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1361.D
Acq On : 9 Mar 2012 12:59 pm
Operator : kws
Sample : 1203005-01 Inst : Betty
Misc : 1x 1 µL 1203005-01 A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 06:45:04 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M recalc
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

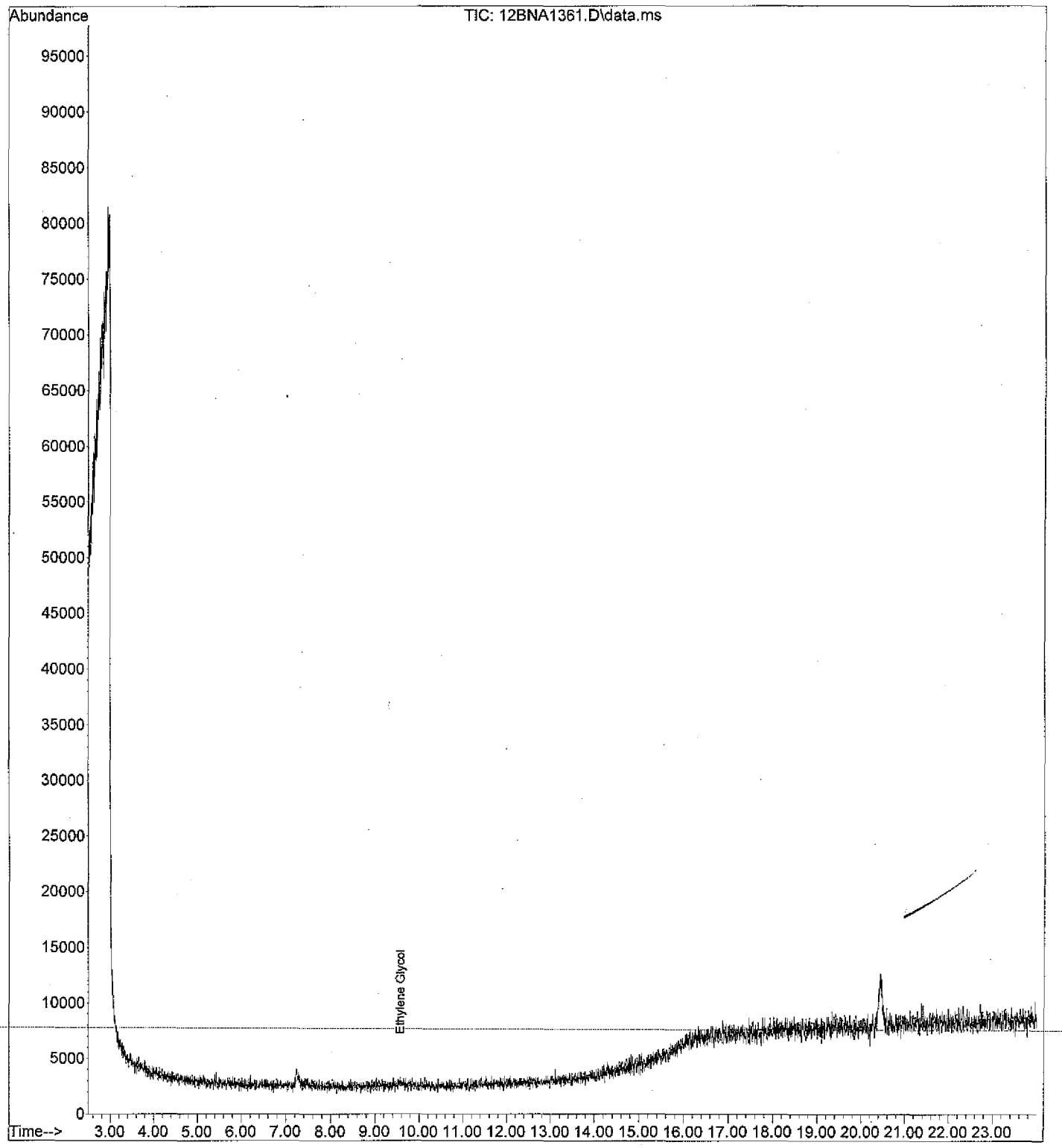
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.023	45	136	N.D.	
2) Ethylene Glycol	9.570	31	400	0.08 ug/ml#	47

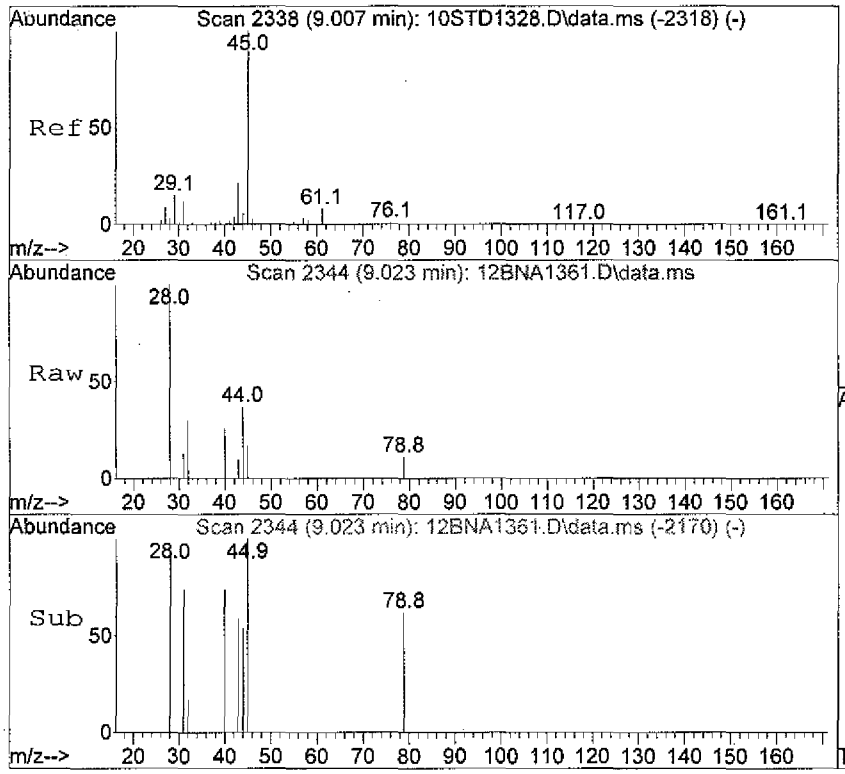
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1361.D
Acq On : 9 Mar 2012 12:59 pm
Operator : kws
Sample : 1203005-01 Inst : Betty
Misc : 1x 1 µL 1203005-01 A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 28 06:45:04 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

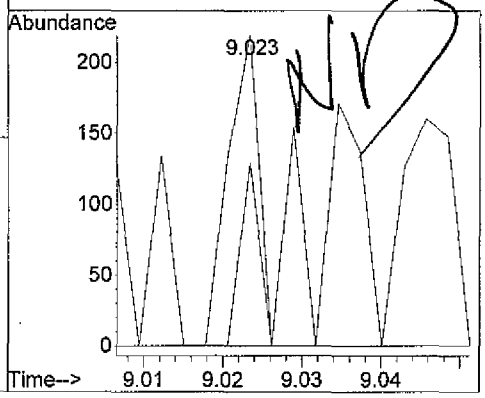




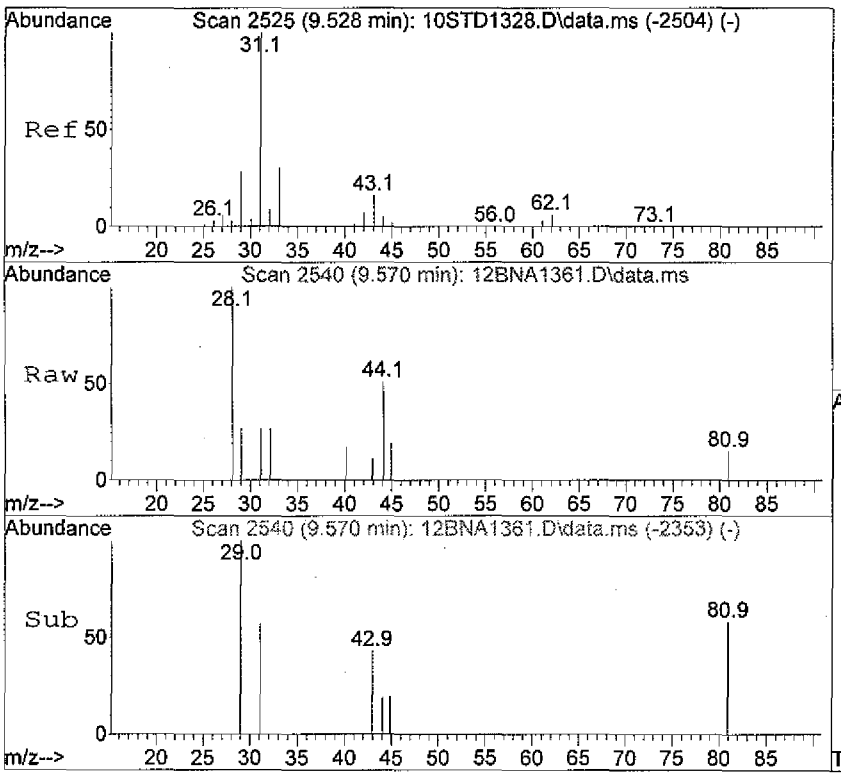
#1
Propylene Glycol
Concen: Below Cal
RT: 9.023 min Scan# 2344
Delta R.T. -0.014 min
Lab File: 12BNA1361.D
Acq: 9 Mar 2012 12:59 pm

Tgt Ion: 45 Resp: 136

Ion	Ratio	Lower	Upper
45	100		
43	58.9	14.0	31.2#
61	0.0	0.0	16.6



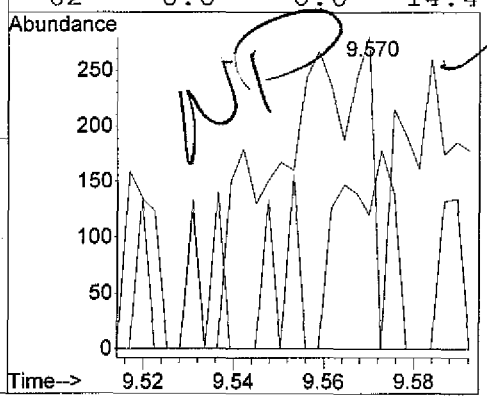
NP



#2
Ethylene Glycol
Concen: 0.08 ug/ml
RT: 9.570 min Scan# 2540
Delta R.T. 0.022 min
Lab File: 12BNA1361.D
Acq: 9 Mar 2012 12:59 pm

Tgt Ion: 31 Resp: 400

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	42.9	7.8	26.0#
62	0.0	0.0	14.4



NP

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS
ABN Glycols

Lab ID: 1203005-02 **Station ID: HW56**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/05/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

12.0

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1356.D
Acq On : 9 Mar 2012 10:48 am
Operator : kws
Sample : 1203005-02 Inst : Betty
Misc : 1x 1 µL 1203005-02 A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 06:09:45 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.093	45	258	N.D.	
2) Ethylene Glycol	9.548	31	364	0.07 ug/ml#	54

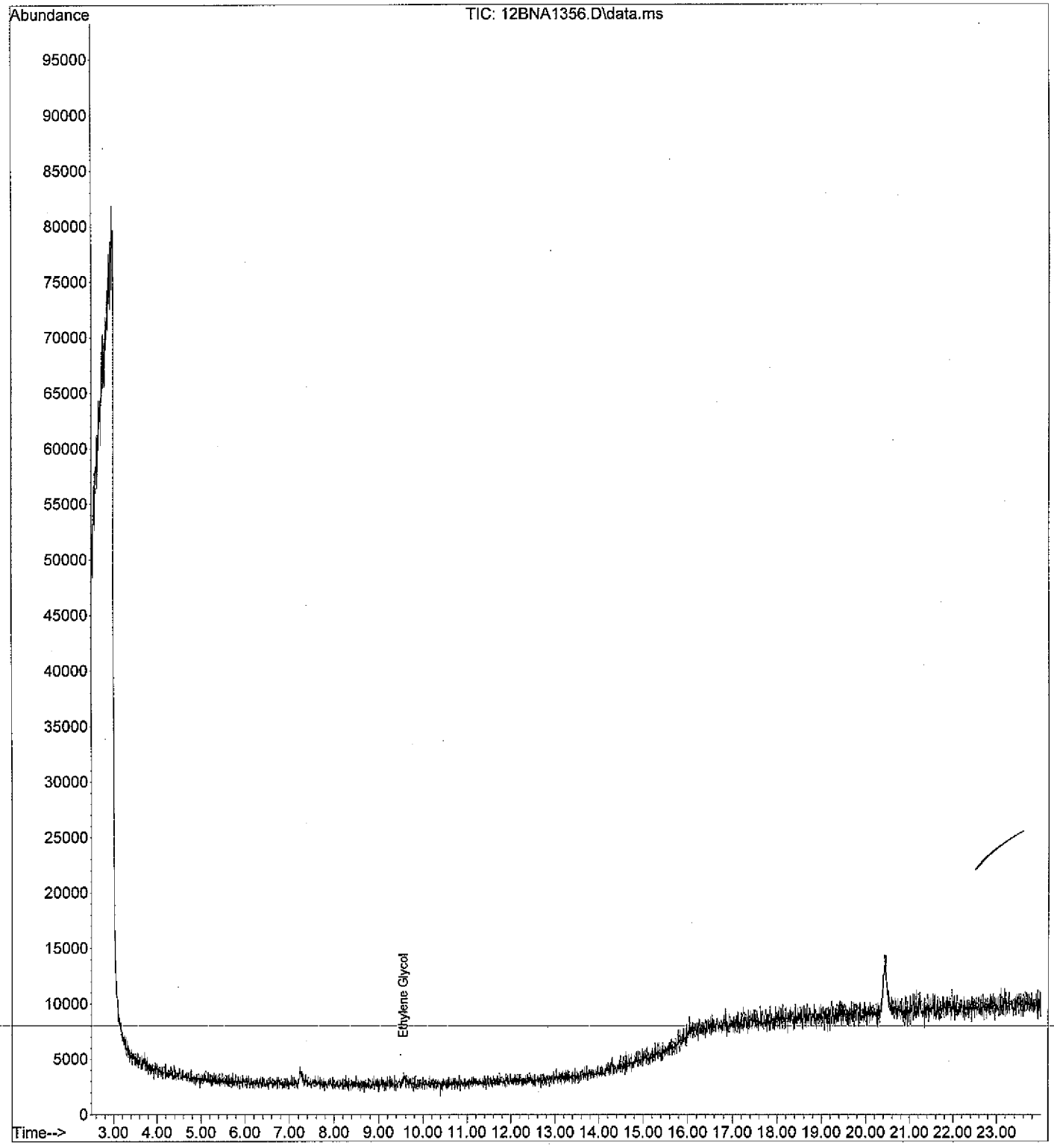
(#) = qualifier out of range (m) = manual integration (+) = signals summed

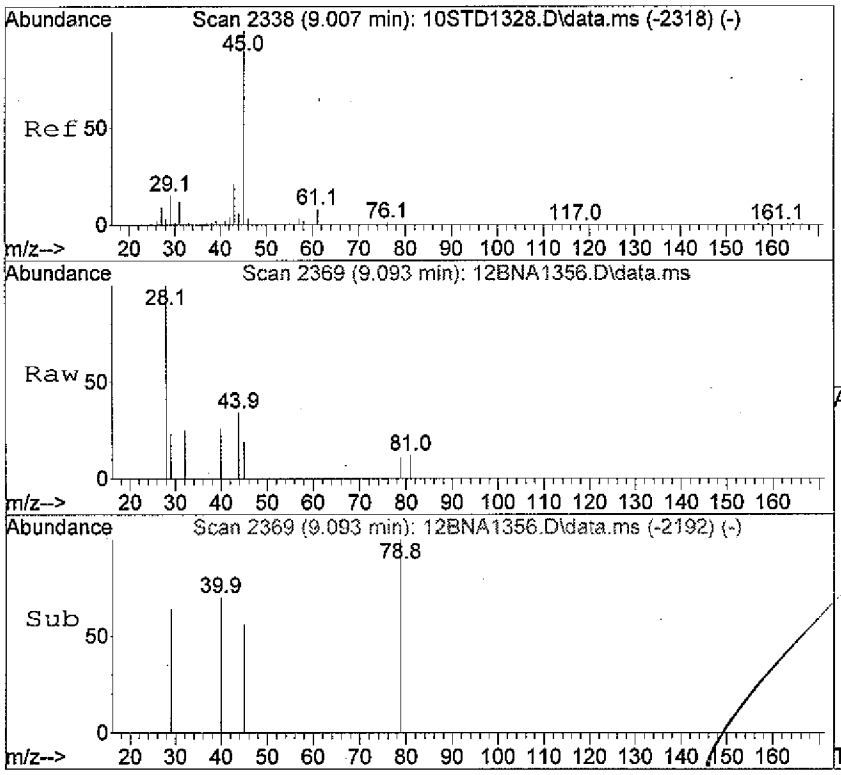
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1356.D
Acq On : 9 Mar 2012 10:48 am
Operator : kws
Sample : 1203005-02 Inst : Betty
Misc : 1x 1 µL 1203005-02 A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 06:09:45 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

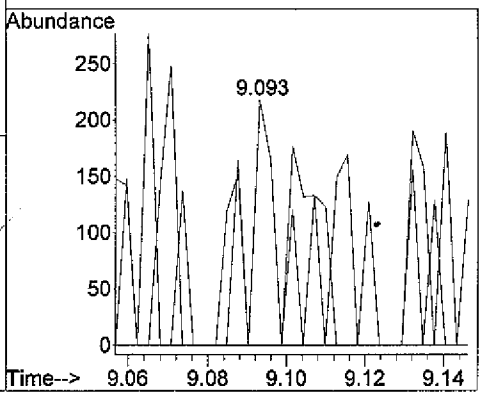


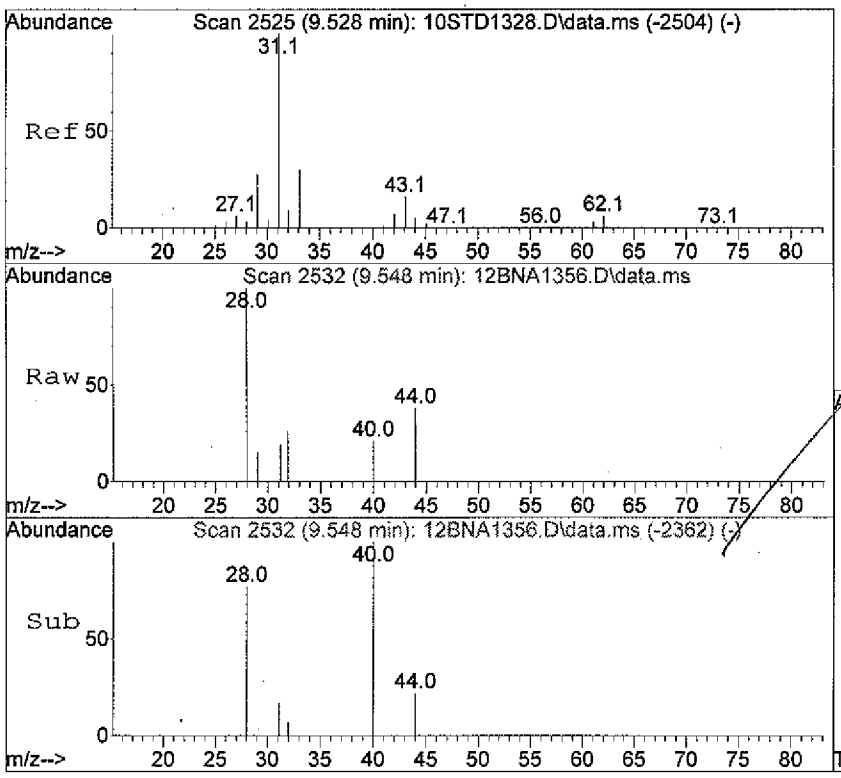


#1
Propylene Glycol
Concen: Below Cal
RT: 9.093 min Scan# 2369
Delta R.T. -0.006 min
Lab File: 12BNA1356.D
Acq: 9 Mar 2012 10:48 am

Tgt Ion: 45 Resp: 258

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

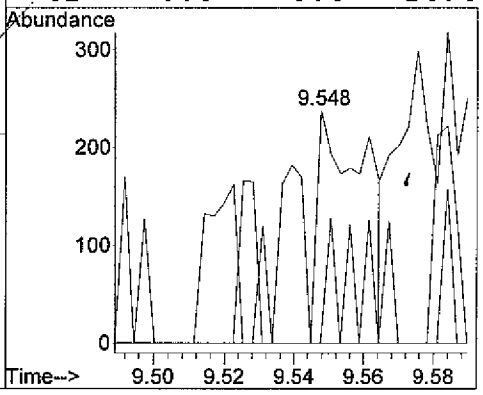




#2
Ethylene Glycol
Concen: 0.07 ug/ml
RT: 9.548 min Scan# 2532
Delta R.T. -0.025 min
Lab File: 12BNA1356.D
Acq: 9 Mar 2012 10:48 am

Tgt Ion: 31 Resp: 364

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1356.D
Acq On : 9 Mar 2012 10:48 am
Operator : kws
Sample : 1203005-02 Inst : Betty
Misc : 1x 1 µL 1203005-02 A
ALS Vial : 4 Sample Multiplier: Recalc

Quant Time: Mar 28 06:42:01 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

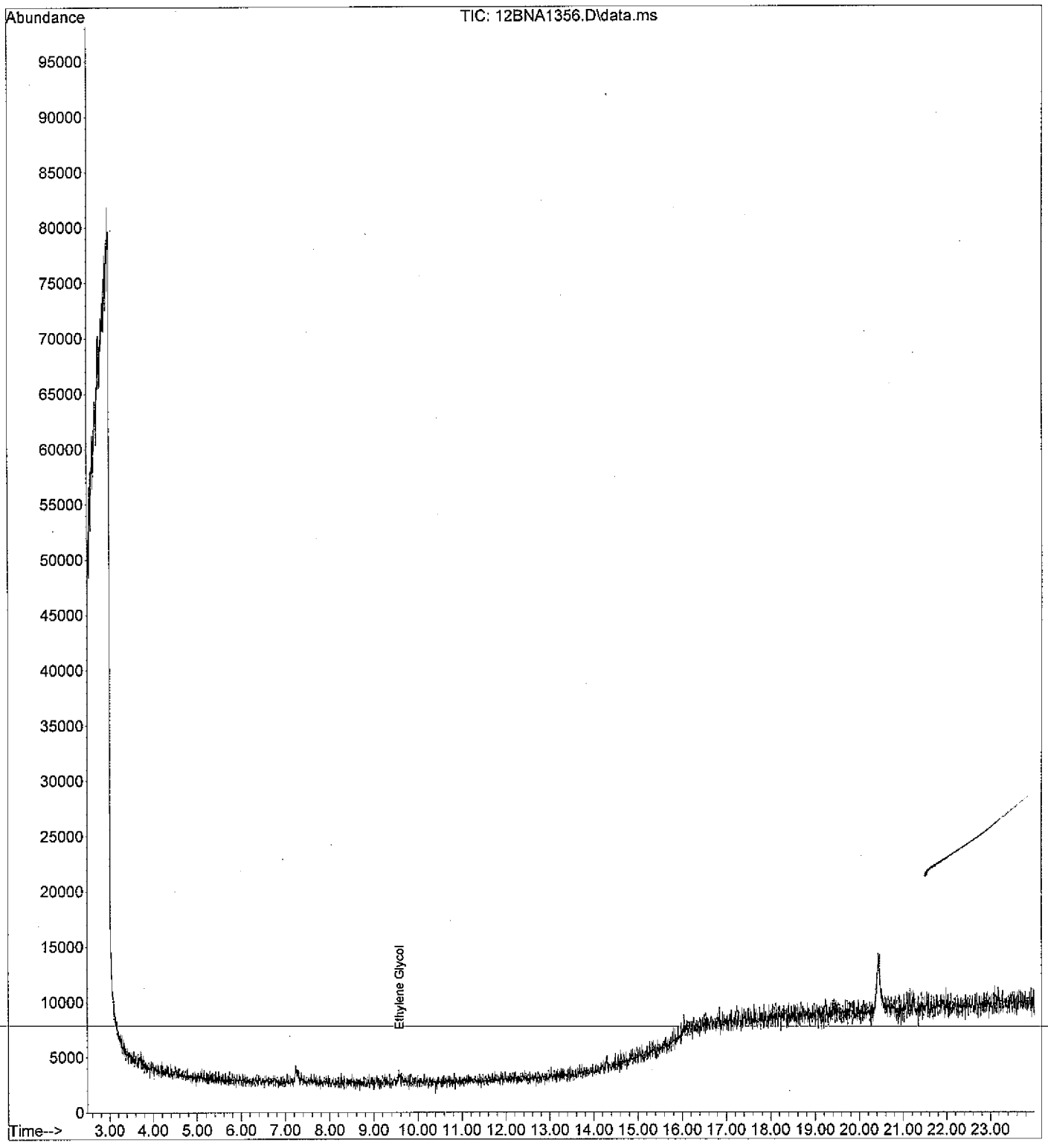
Compound	R.T.	QIon	Response	Conc Units	Qvalue Dev(Min)
Target Compounds					
1) Propylene Glycol	9.040	45	125	N.D.	
2) Ethylene Glycol	9.584	31	762	0.15 ug/ml#	38

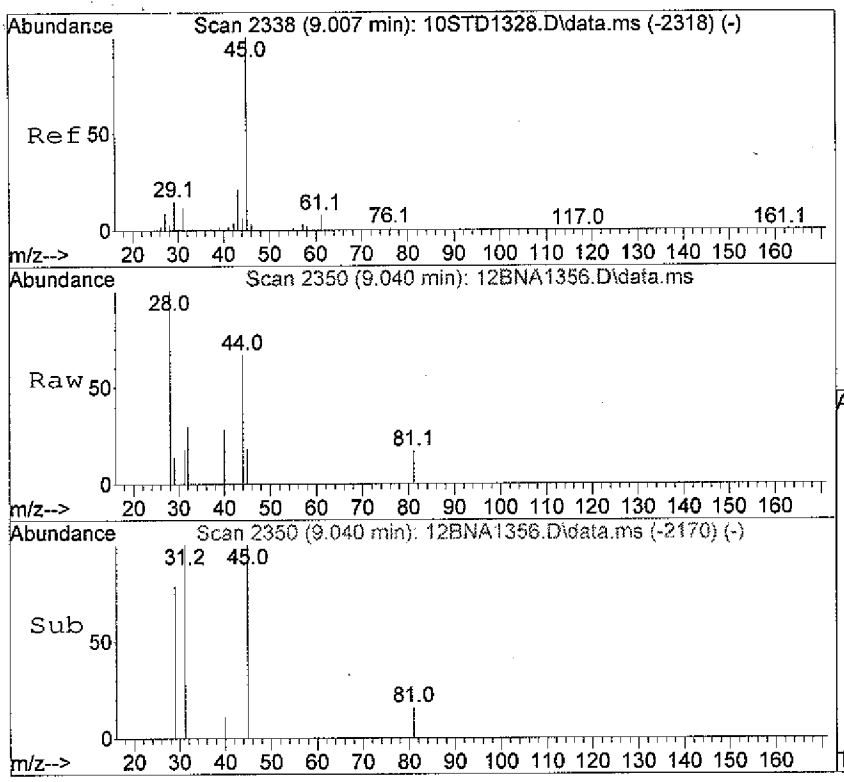
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1356.D
Acq On : 9 Mar 2012 10:48 am
Operator : kws
Sample : 1203005-02 Inst : Betty
Misc : 1x 1 µL 1203005-02 A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 28 06:42:01 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

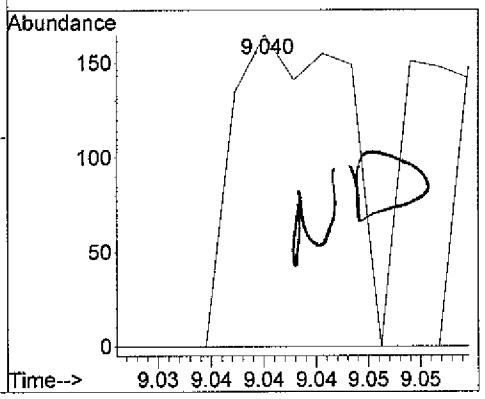


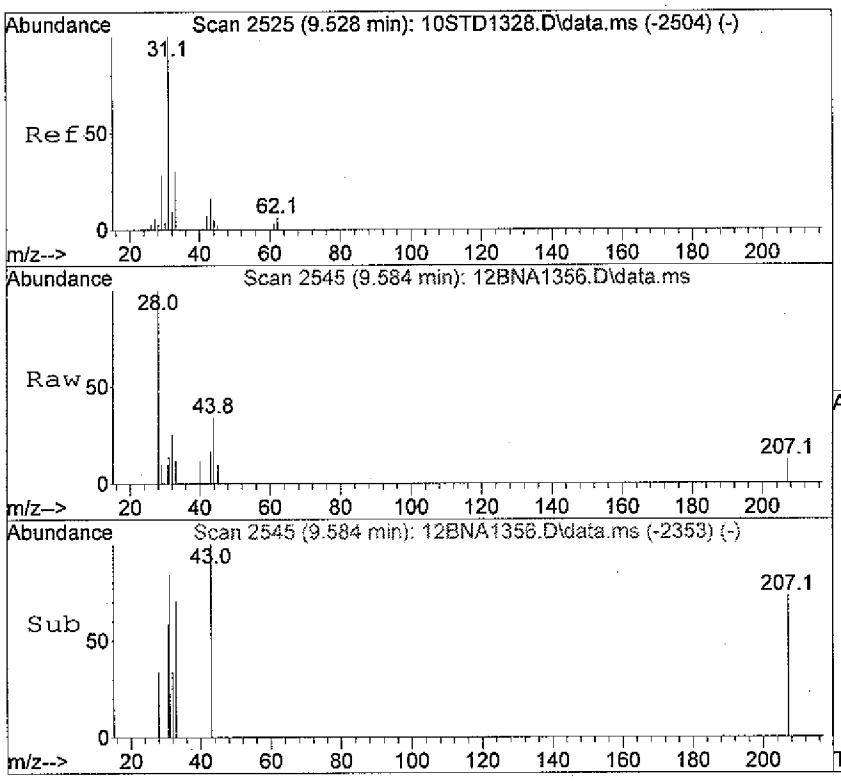


#1
Propylene Glycol
Concen: Below Cal
RT: 9.040 min Scan# 2350
Delta R.T. 0.003 min
Lab File: 12BNA1356.D
Acq: 9 Mar 2012 10:48 am

Tgt Ion: 45 Resp: 125

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6



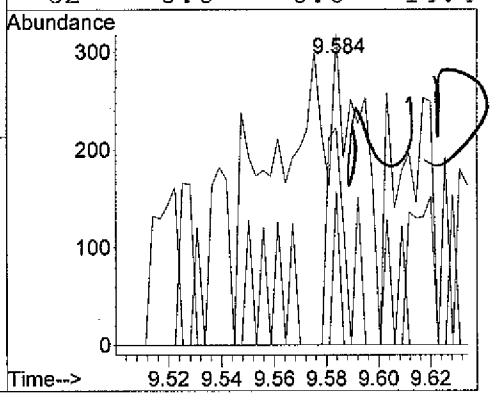


#2
Ethylene Glycol
Concen: 0.15 ug/ml
RT: 9.584 min Scan# 2545
Delta R.T. 0.036 min
Lab File: 12BNA1356.D
Acq: 9 Mar 2012 10:48 am

Tgt Ion: 31 Resp: 762

Ion	Ratio	Lower	Upper
31	100		
33	49.4	20.7	38.9#
43	69.8	7.8	26.0#
62	0.0	0.0	14.4

NC not reporting



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

ABN Glycols

Lab ID: 1203005-03 **Station ID: HW60**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/05/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

22.0

DRAFT

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1362.D
Acq On : 9 Mar 2012 1:25 pm
Operator : kws
Sample : 1203005-03 Inst : Betty
Misc : 1x 1 µL 1203005-03 A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 14 13:35:56 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.107	45	145	N.D.	
2) Ethylene Glycol	9.564	31	722	0.13 ug/ml#	54

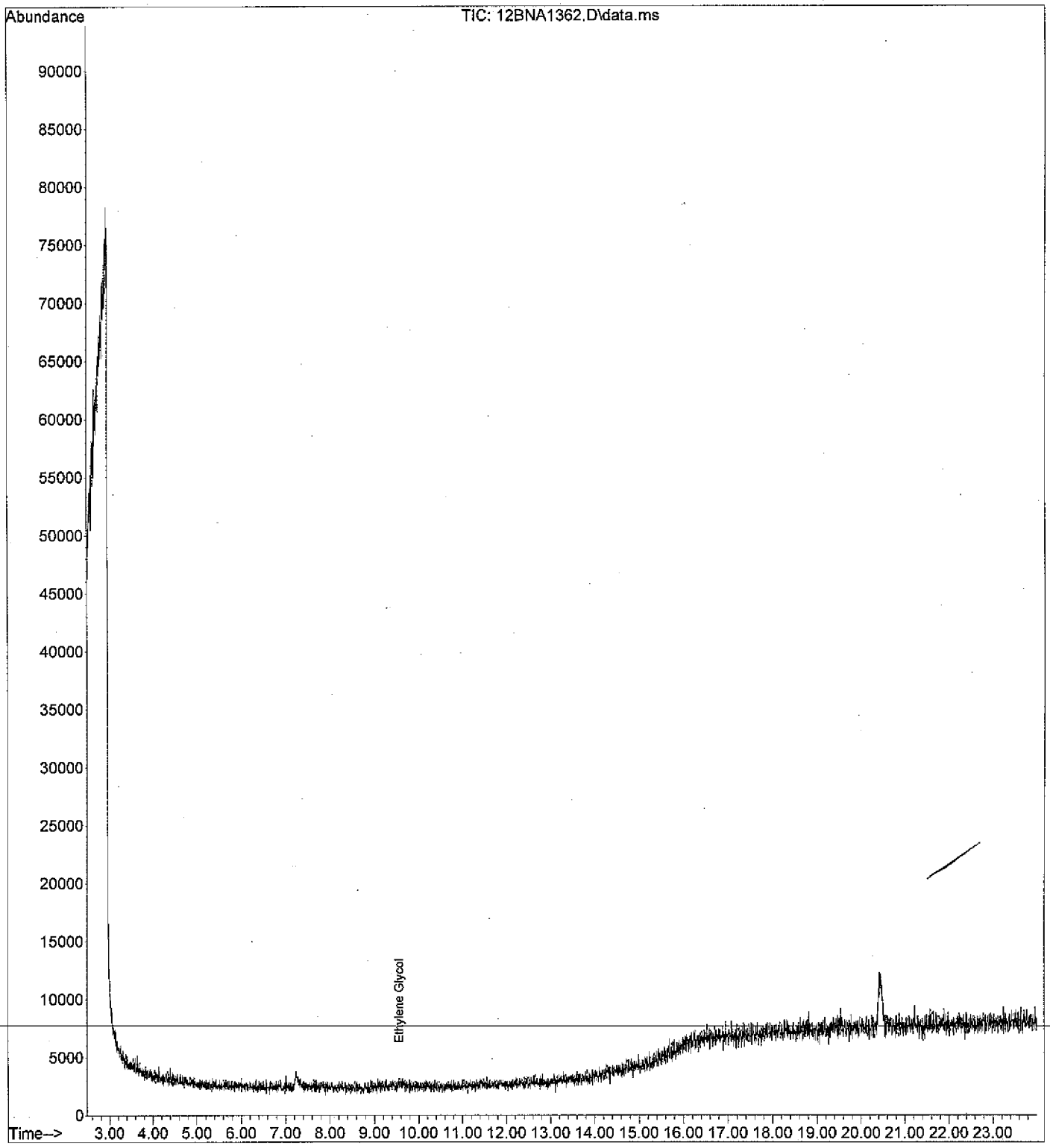
(#) = qualifier out of range (m) = manual integration (+) = signals summed

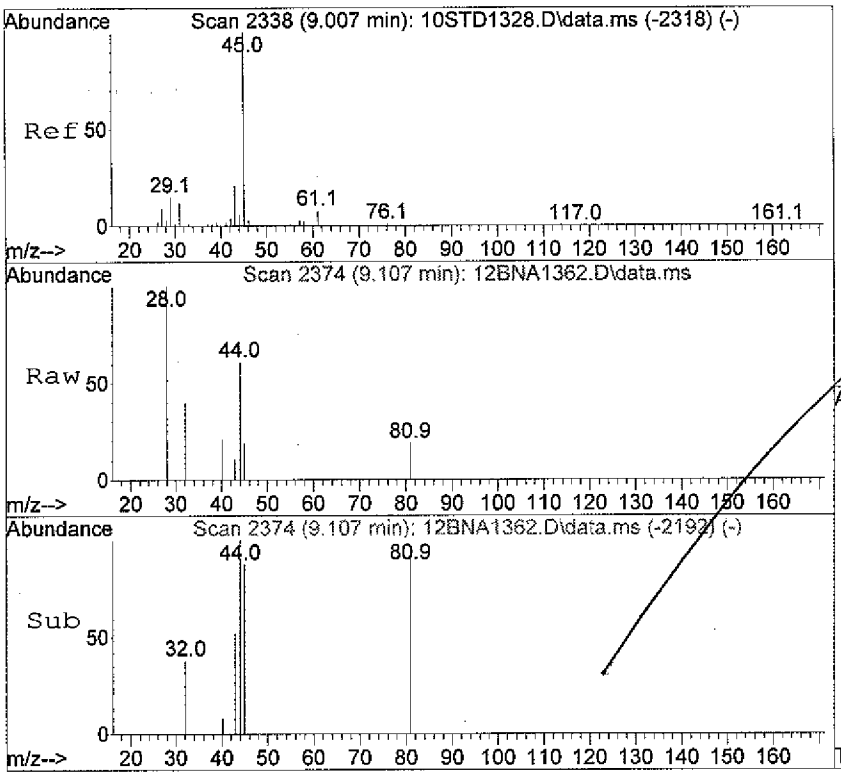
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1362.D
Acq On : 9 Mar 2012 1:25 pm
Operator : kws
Sample : 1203005-03 Inst : Betty
Misc : 1x 1 µL 1203005-03 A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 14 13:35:56 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

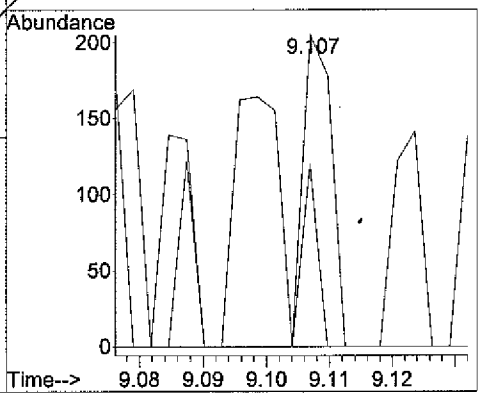


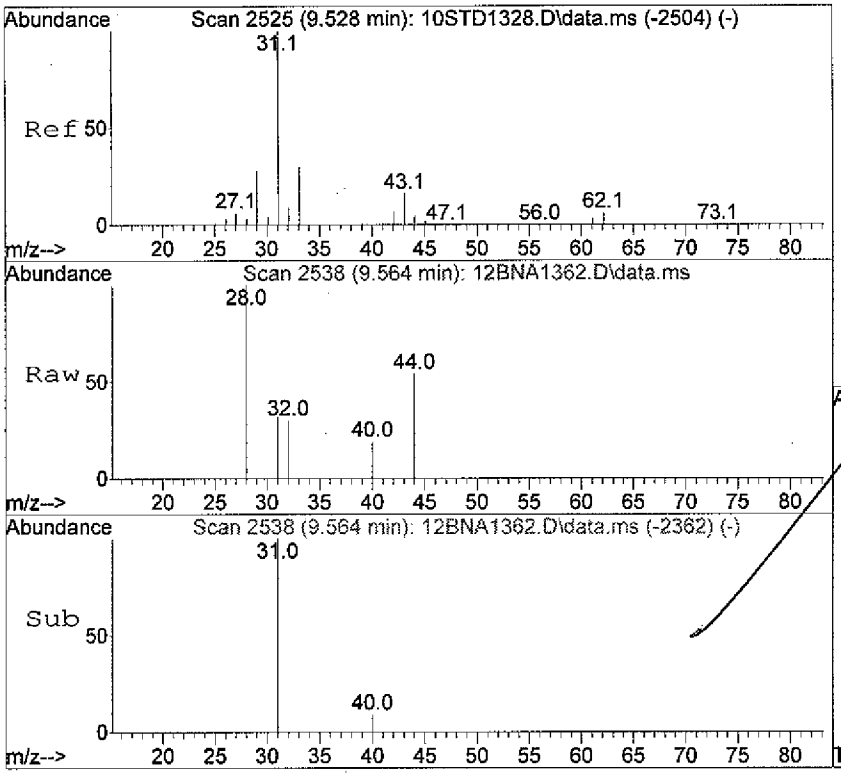


#1
Propylene Glycol
Concen: Below Cal
RT: 9.107 min Scan# 2374
Delta R.T. 0.008 min
Lab File: 12BNA1362.D
Acq: 9 Mar 2012 1:25 pm

Tgt Ion: 45 Resp: 145

Ion	Ratio	Lower	Upper
45	100		
43	58.5	14.0	31.2#
61	0.0	0.0	16.6

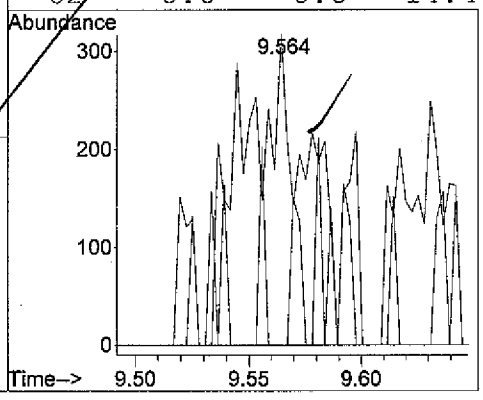




#2
Ethylene Glycol
Concen: 0.13 ug/ml
RT: 9.564 min Scan# 2538
Delta R.T. -0.009 min
Lab File: 12BNA1362.D
Acq: 9 Mar 2012 1:25 pm

Tgt Ion: 31 Resp: 722

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1362.D
Acq On : 9 Mar 2012 1:25 pm
Operator : kws
Sample : 1203005-03 Inst : Betty
Misc : 1x 1 µL 1203005-03 A
ALS Vial : 10 Sample Multiplier: 1 Recalc

Quant Time: Mar 28 06:45:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

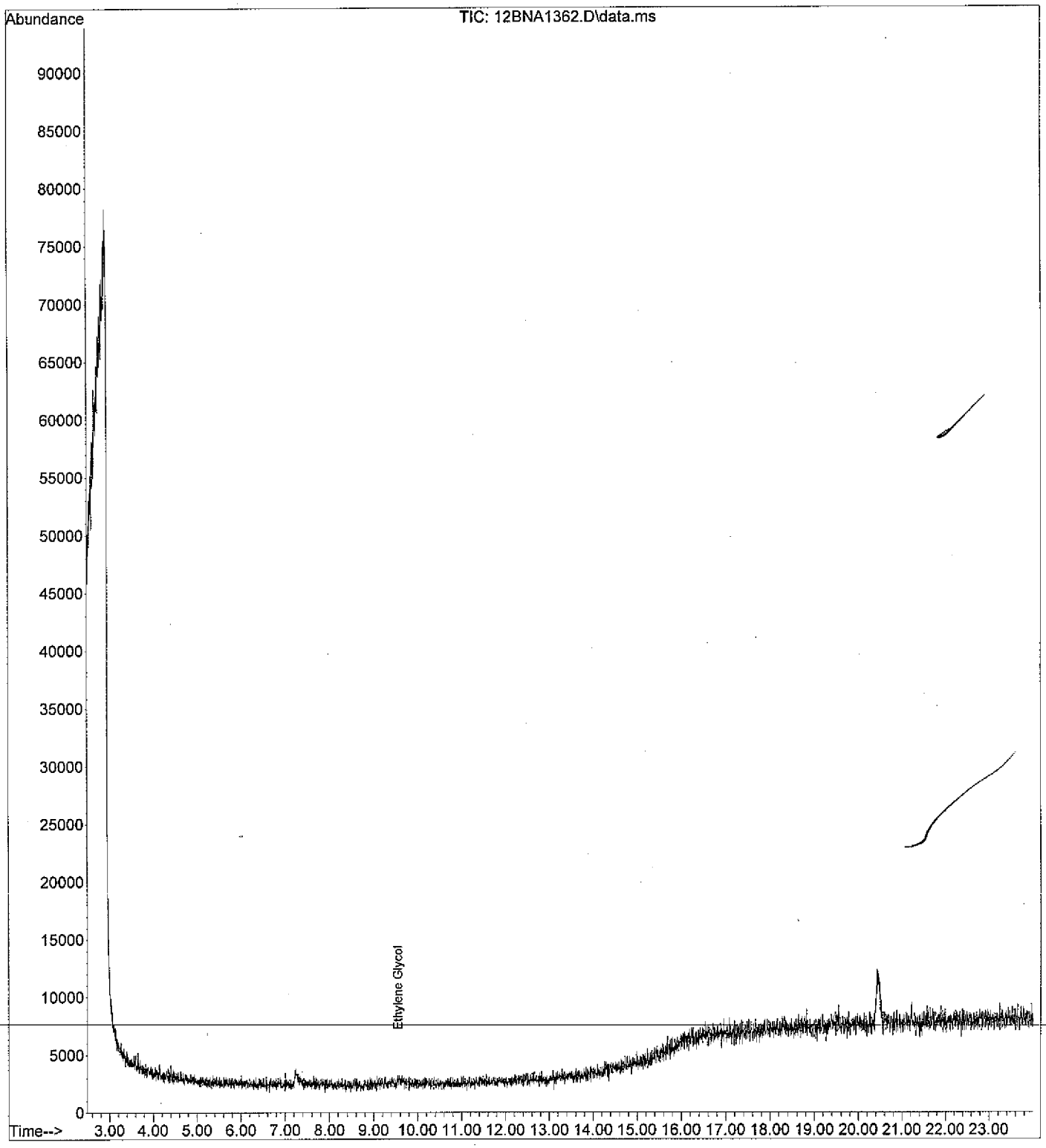
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.009	45	101	N.D.	
2) Ethylene Glycol	9.545	31	265	0.05 ug/ml#	54

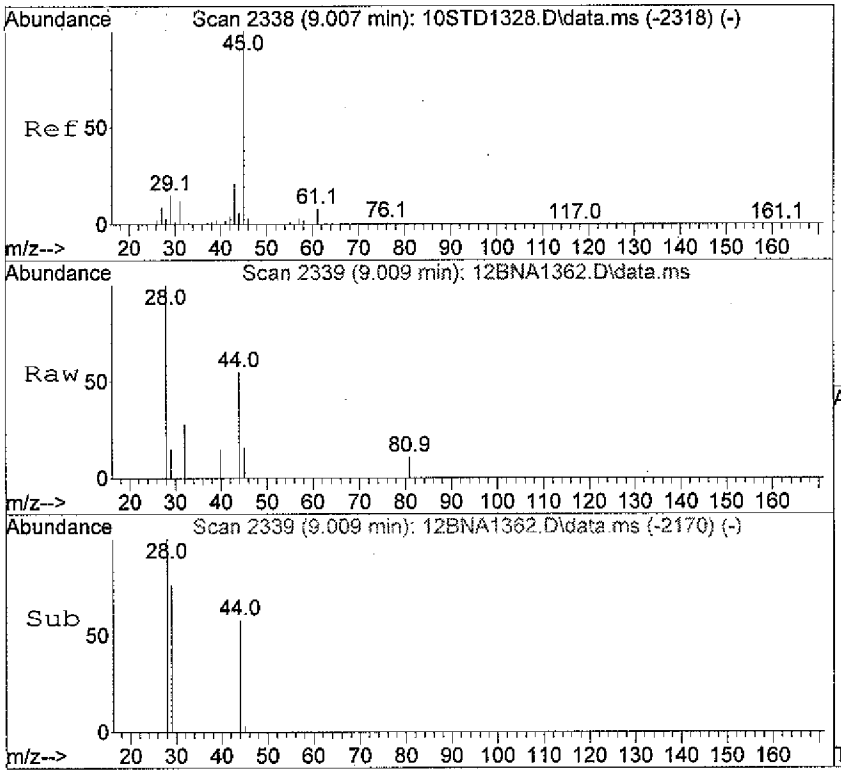
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1362.D
Acq On : 9 Mar 2012 1:25 pm
Operator : kws
Sample : 1203005-03 Inst : Betty
Misc : 1x 1 µL 1203005-03 A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 28 06:45:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

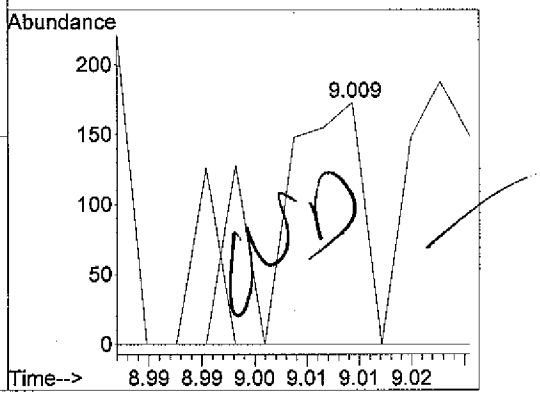


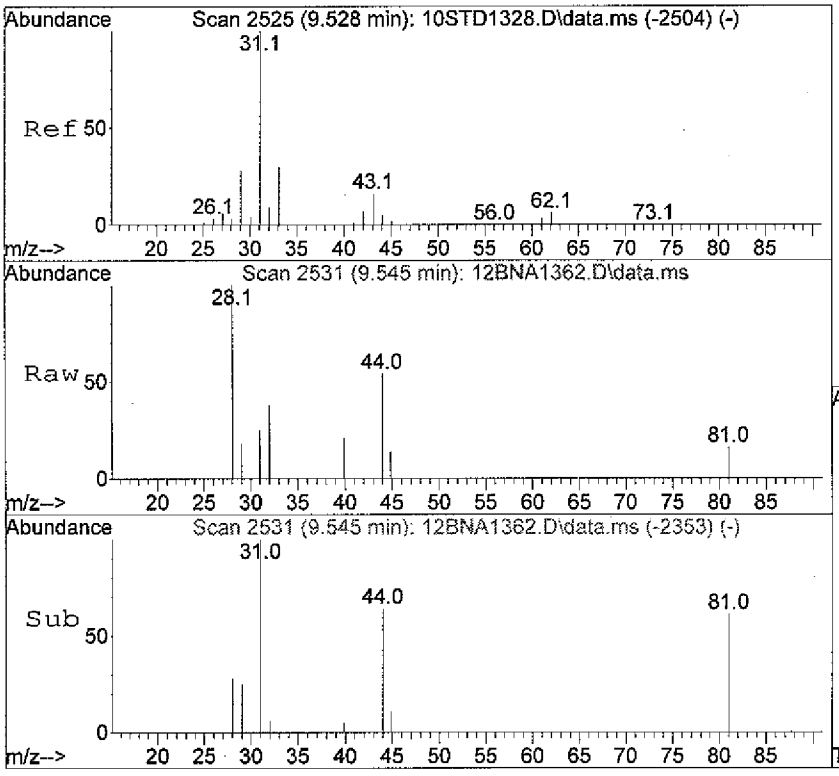


#1
Propylene Glycol
Concen: Below Cal
RT: 9.009 min Scan# 2339
Delta R.T. -0.028 min
Lab File: 12BNA1362.D
Acq: 9 Mar 2012 1:25 pm

Tgt Ion: 45 Resp: 101

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

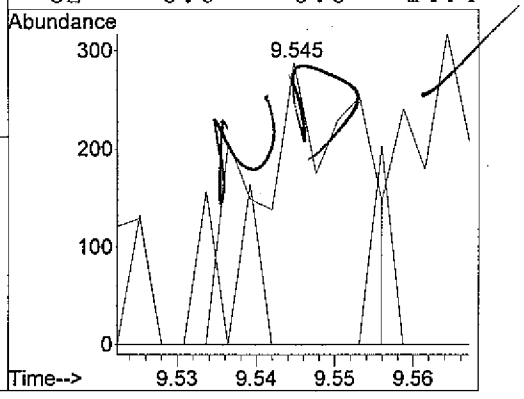




#2
Ethylene Glycol
Concen: 0.05 ug/ml
RT: 9.545 min Scan# 2531
Delta R.T. -0.003 min
Lab File: 12BNA1362.D
Acq: 9 Mar 2012 1:25 pm

Tgt Ion: 31 Resp: 265

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

ABN Glycols

Lab ID: 1203007-01 **Station ID: FB20**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/06/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"
			2.0			kws

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1368.D
Acq On : 9 Mar 2012 4:02 pm
Operator : kws
Sample : 1203007-01 Inst : Betty
Misc : 1x 1 µl 1203007-01 A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 14 13:39:29 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.163	45	130	N.D.	
2) Ethylene Glycol	9.570	31	154	N.D.	

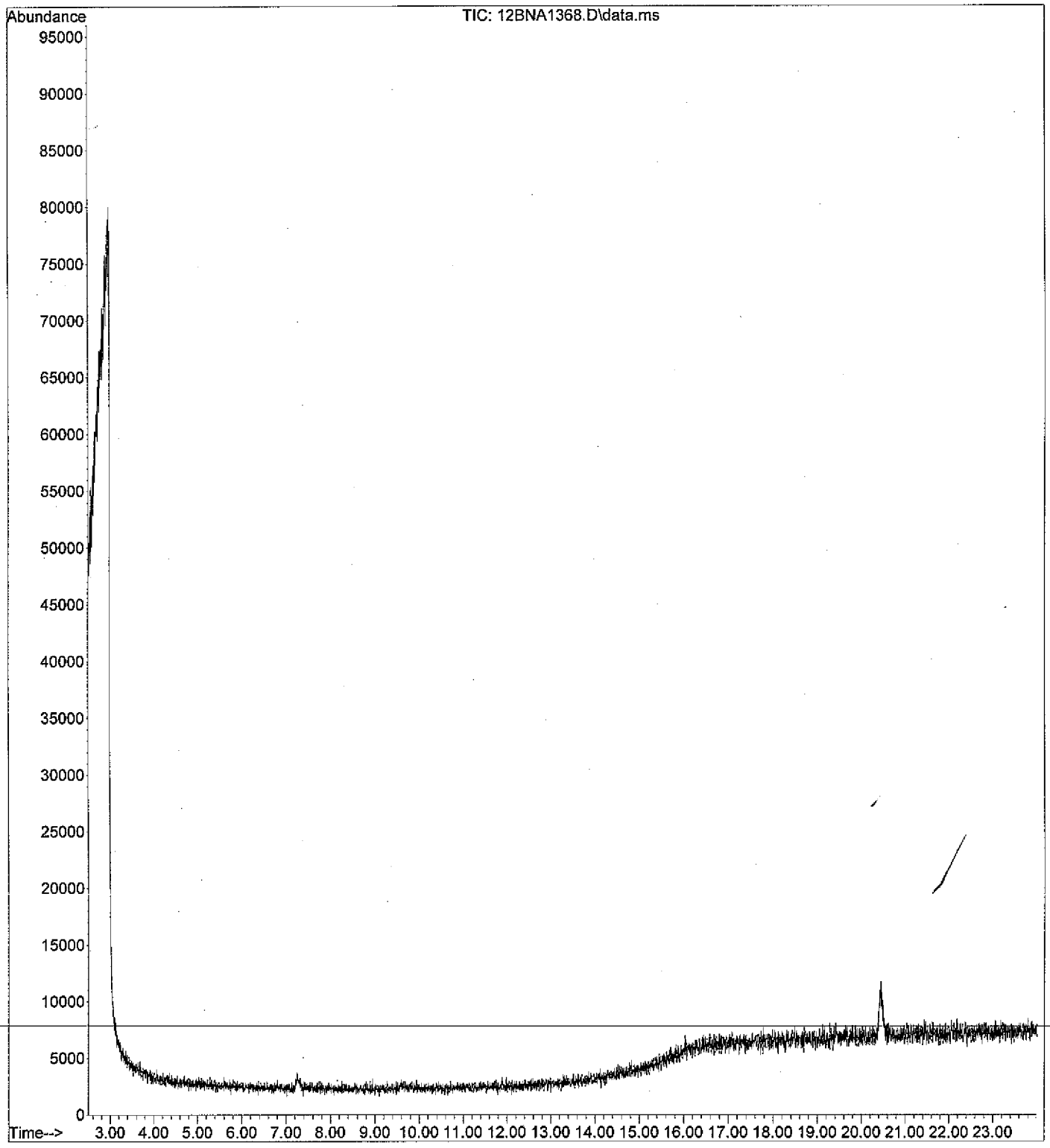
(#) = qualifier out of range (m) = manual integration (+) = signals summed

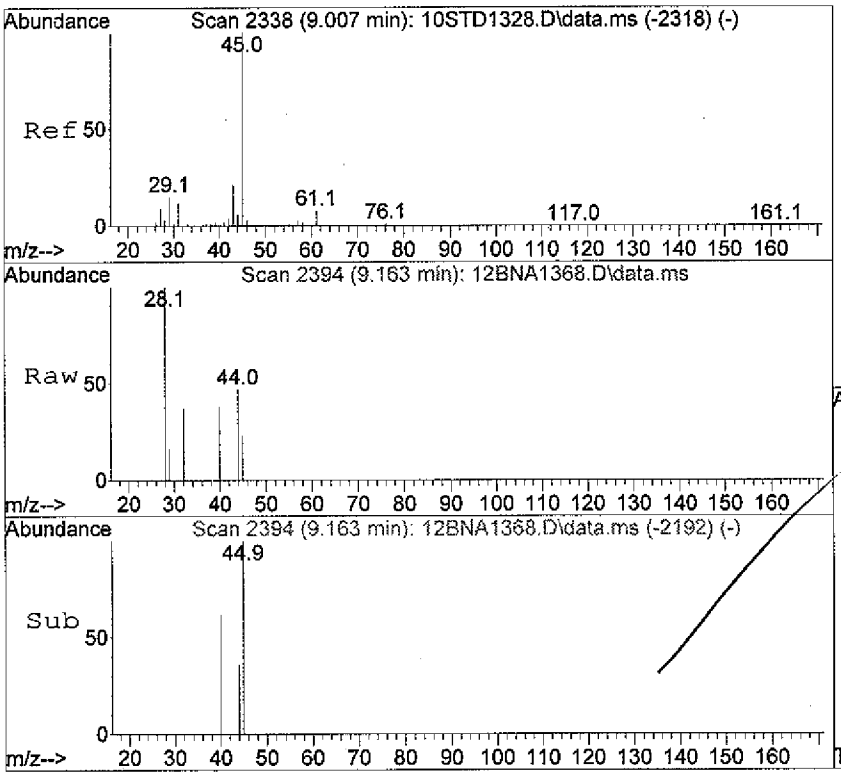
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1368.D
Acq On : 9 Mar 2012 4:02 pm
Operator : kws
Sample : 1203007-01 Inst : Betty
Misc : 1x 1 µl 1203007-01 A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 14 13:39:29 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

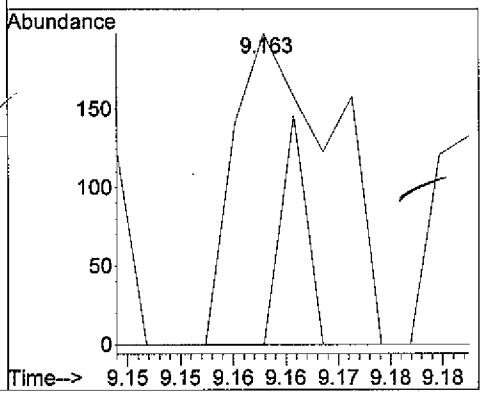


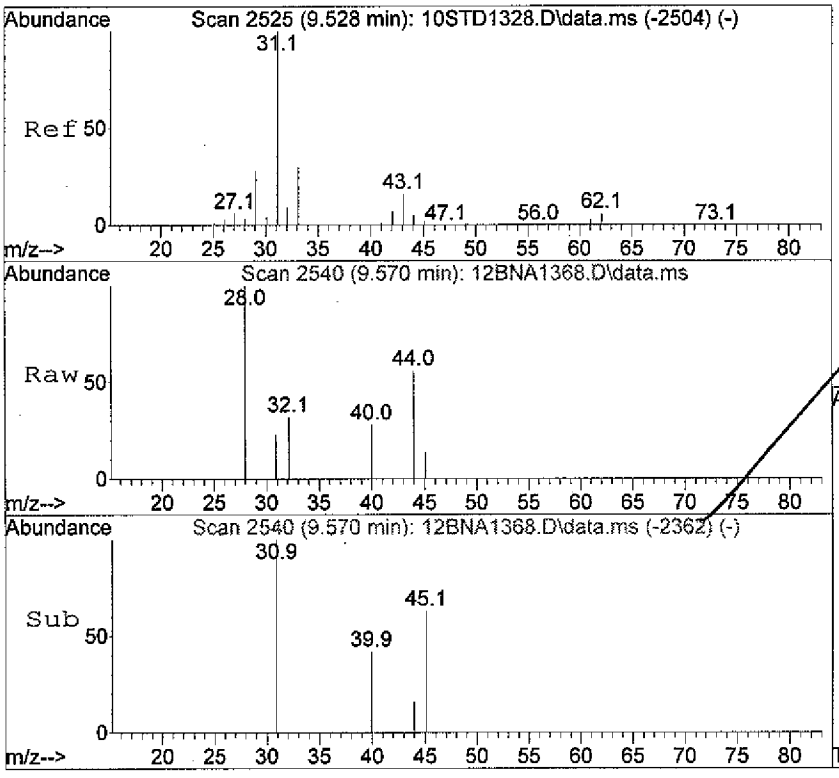


#1
Propylene Glycol
Concen: Below Cal
RT: 9.163 min Scan# 2394
Delta R.T. 0.064 min
Lab File: 12BNA1368.D
Acq: 9 Mar 2012 4:02 pm

Tgt Ion: 45 Resp: 130

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

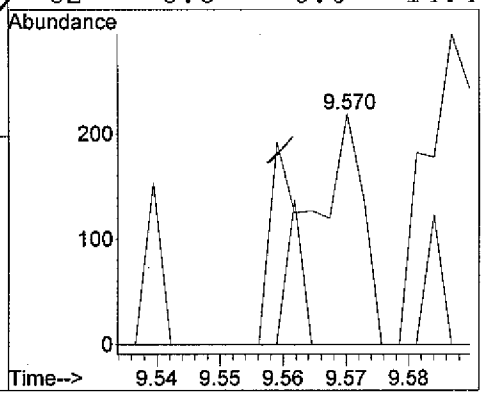




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.570 min Scan# 2540
Delta R.T. -0.003 min
Lab File: 12BNA1368.D
Acq: 9 Mar 2012 4:02 pm

Tgt Ion: 31 Resp: 154

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1368.D
Acq On : 9 Mar 2012 4:02 pm
Operator : kws
Sample : 1203007-01 Inst : Betty
Misc : 1x 1 µl 1203007-01 A
ALS Vial : 16 Sample Multiplier: 1

TRCalc

Quant Time: Mar 28 06:47:10 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

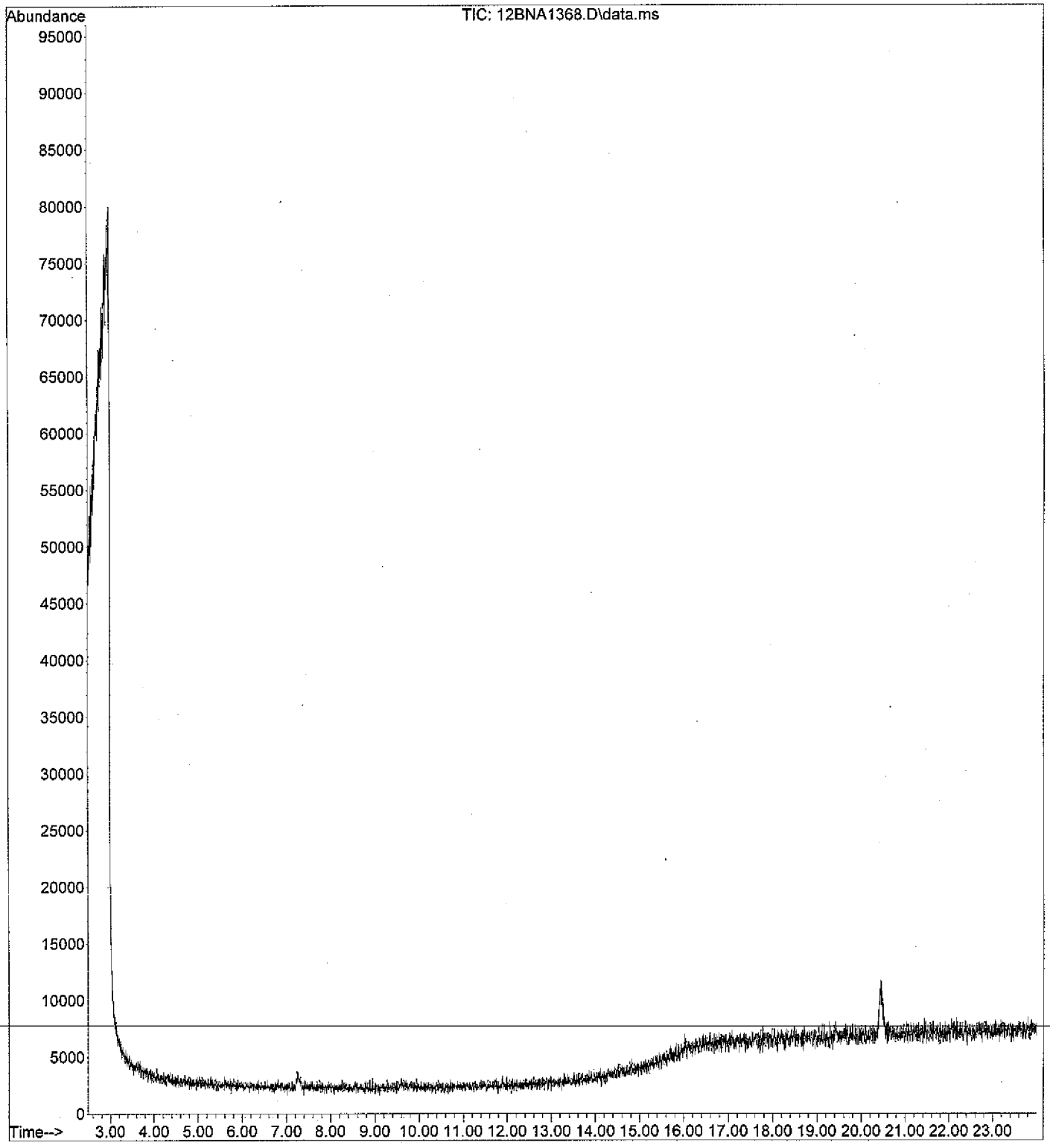
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.163	45	130	N.D.	
2) Ethylene Glycol	9.570	31	154	N.D.	

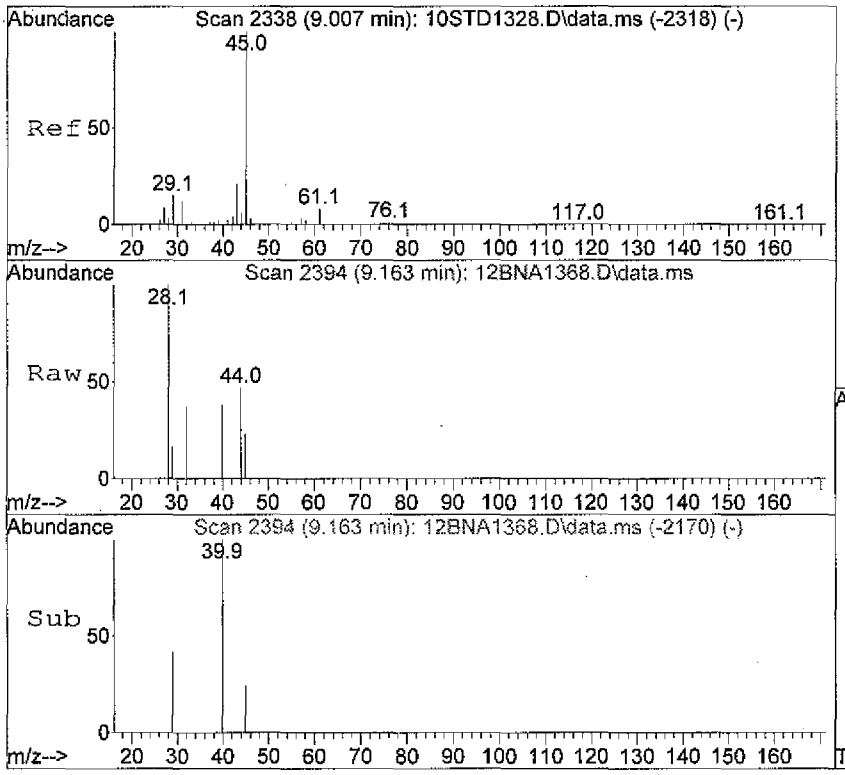
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1368.D
Acq On : 9 Mar 2012 4:02 pm
Operator : kws
Sample : 1203007-01 Inst : Betty
Misc : 1x 1 µl 1203007-01 A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 28 06:47:10 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

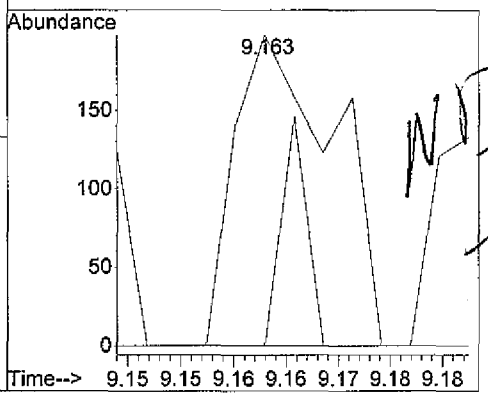




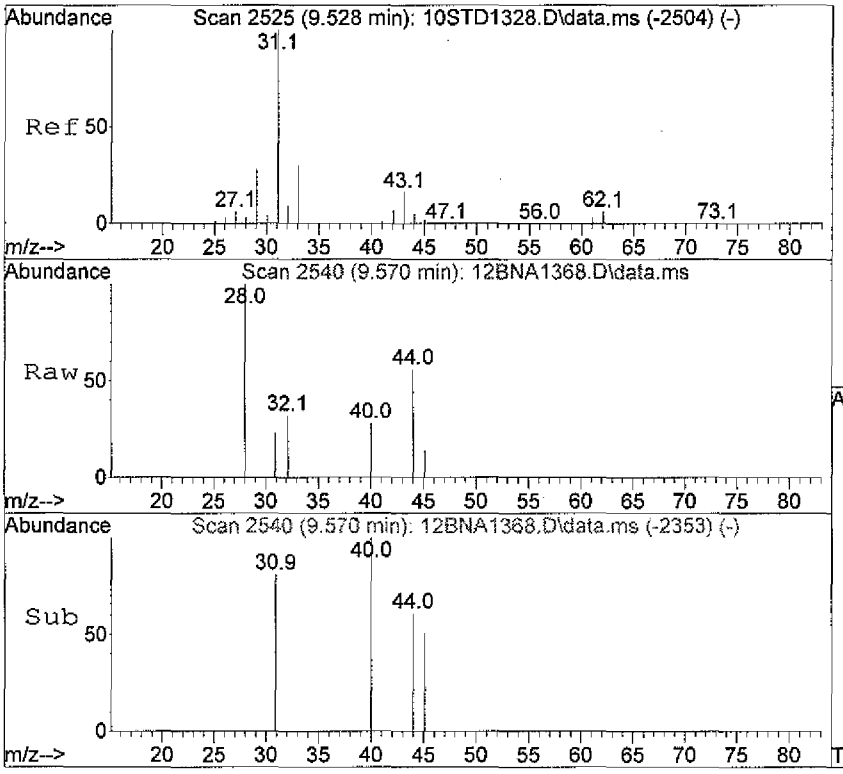
#1
Propylene Glycol
Concen: Below Cal
RT: 9.163 min Scan# 2394
Delta R.T. 0.126 min
Lab File: 12BNA1368.D
Acq: 9 Mar 2012 4:02 pm

Tgt Ion: 45 Resp: 130

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6



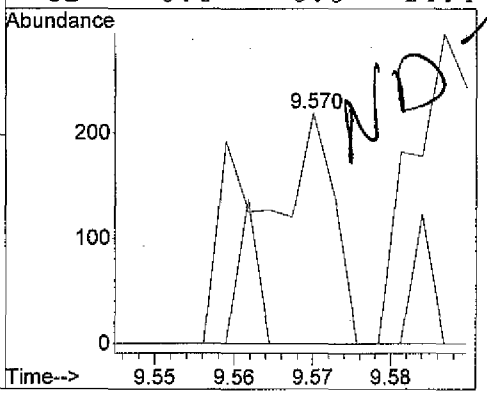
ND



#2
Ethylene Glycol
Concen: Below Cal
RT: 9.570 min Scan# 2540
Delta R.T. 0.022 min
Lab File: 12BNA1368.D
Acq: 9 Mar 2012 4:02 pm

Tgt Ion: 31 Resp: 154

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



ND

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

ABN Glycols

Lab ID: 1203007-02 **Station ID: HW61**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/06/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

2.0

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1369.D
Acq On : 9 Mar 2012 4:28 pm
Operator : kws
Sample : 1203007-02 Inst : Betty
Misc : 1x 1 µl 1203007-02 A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 14 13:40:30 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	8.694	45	106	N.D.	
2) Ethylene Glycol	9.578	31	128	N.D.	

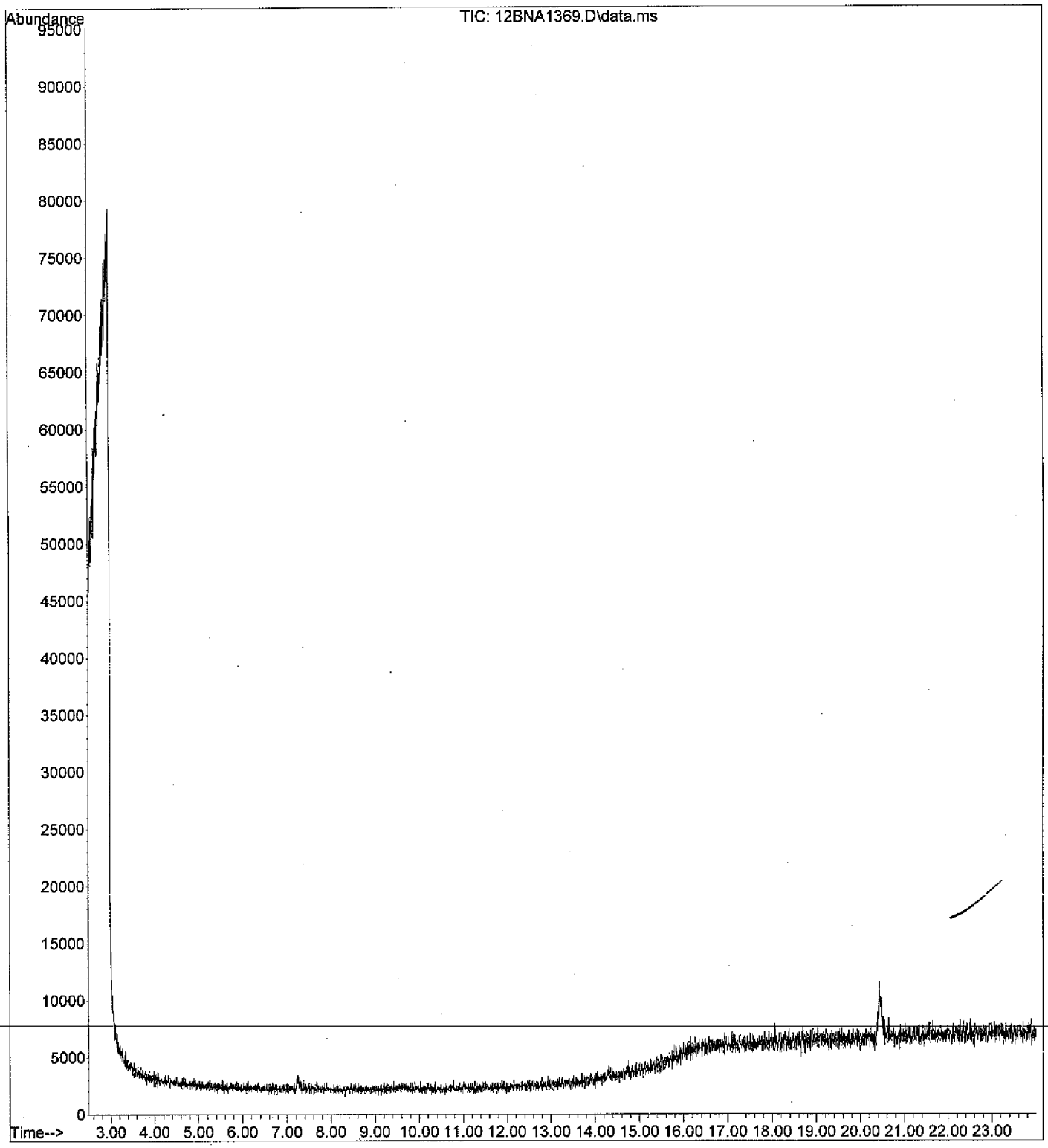
(#) = qualifier out of range (m) = manual integration (+) = signals summed

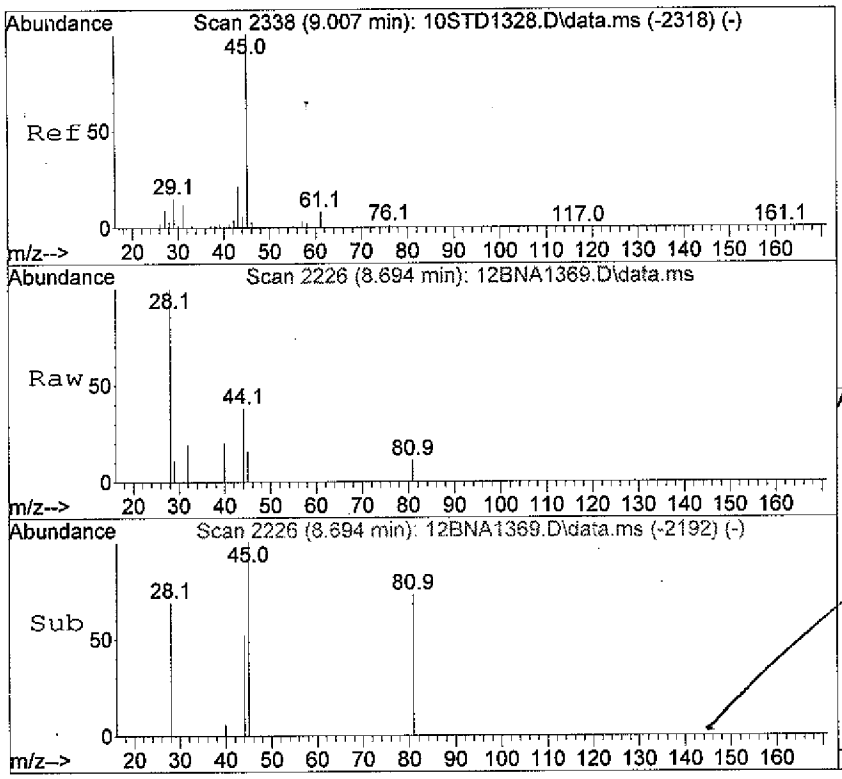
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1369.D
Acq On : 9 Mar 2012 4:28 pm
Operator : kws
Sample : 1203007-02 Inst : Betty
Misc : 1x 1 µl 1203007-02 A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 14 13:40:30 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

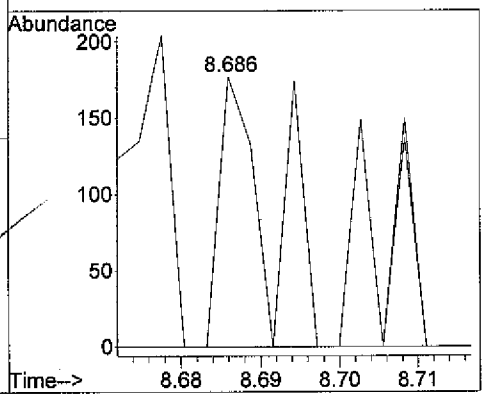


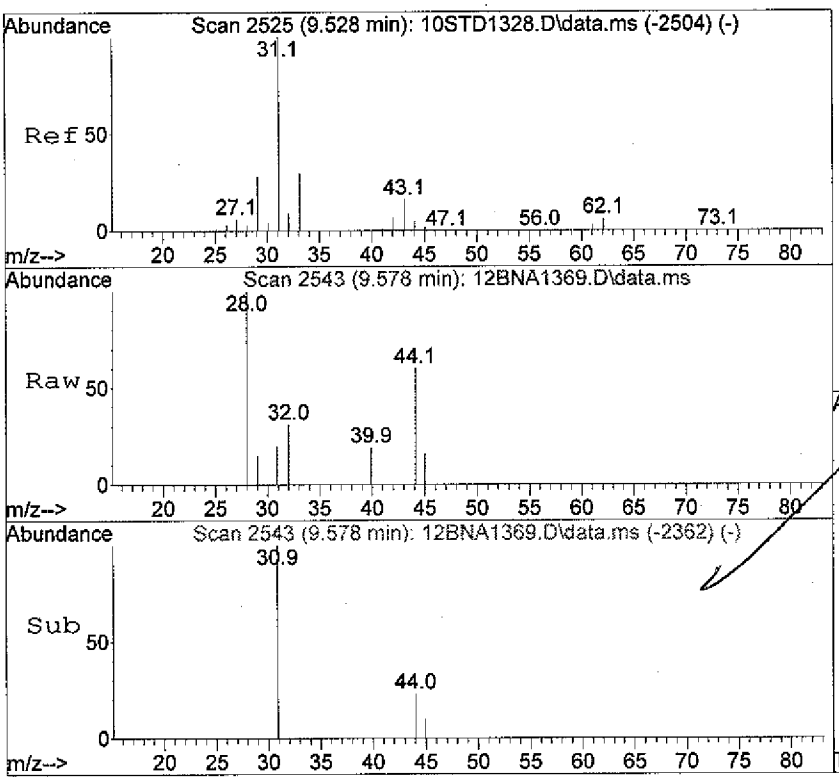


#1
Propylene Glycol
Concen: Below Cal
RT: 8.694 min Scan# 2226
Delta R.T. -0.405 min
Lab File: 12BNA1369.D
Acq: 9 Mar 2012 4:28 pm

Tgt Ion: 45 Resp: 106

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

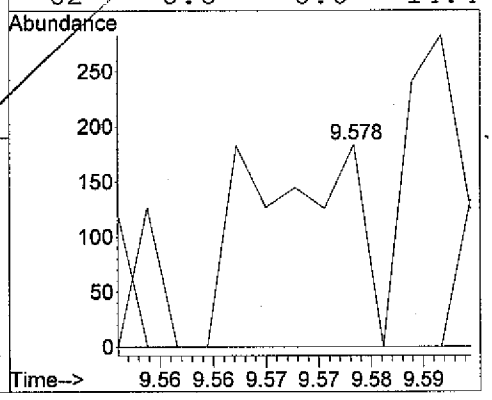




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.578 min Scan# 2543
Delta R.T. 0.006 min
Lab File: 12BNA1369.D
Acq: 9 Mar 2012 4:28 pm

Tgt Ion: 31 Resp: 128

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1369.D
Acq On : 9 Mar 2012 4:28 pm
Operator : kws
Sample : 1203007-02 Inst : Betty
Misc : 1x 1 µl 1203007-02 A
ALS Vial : 17 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 06:47:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	8.694	45	106	N.D.	
2) Ethylene Glycol	9.587	31	288	0.06 ug/ml#	54

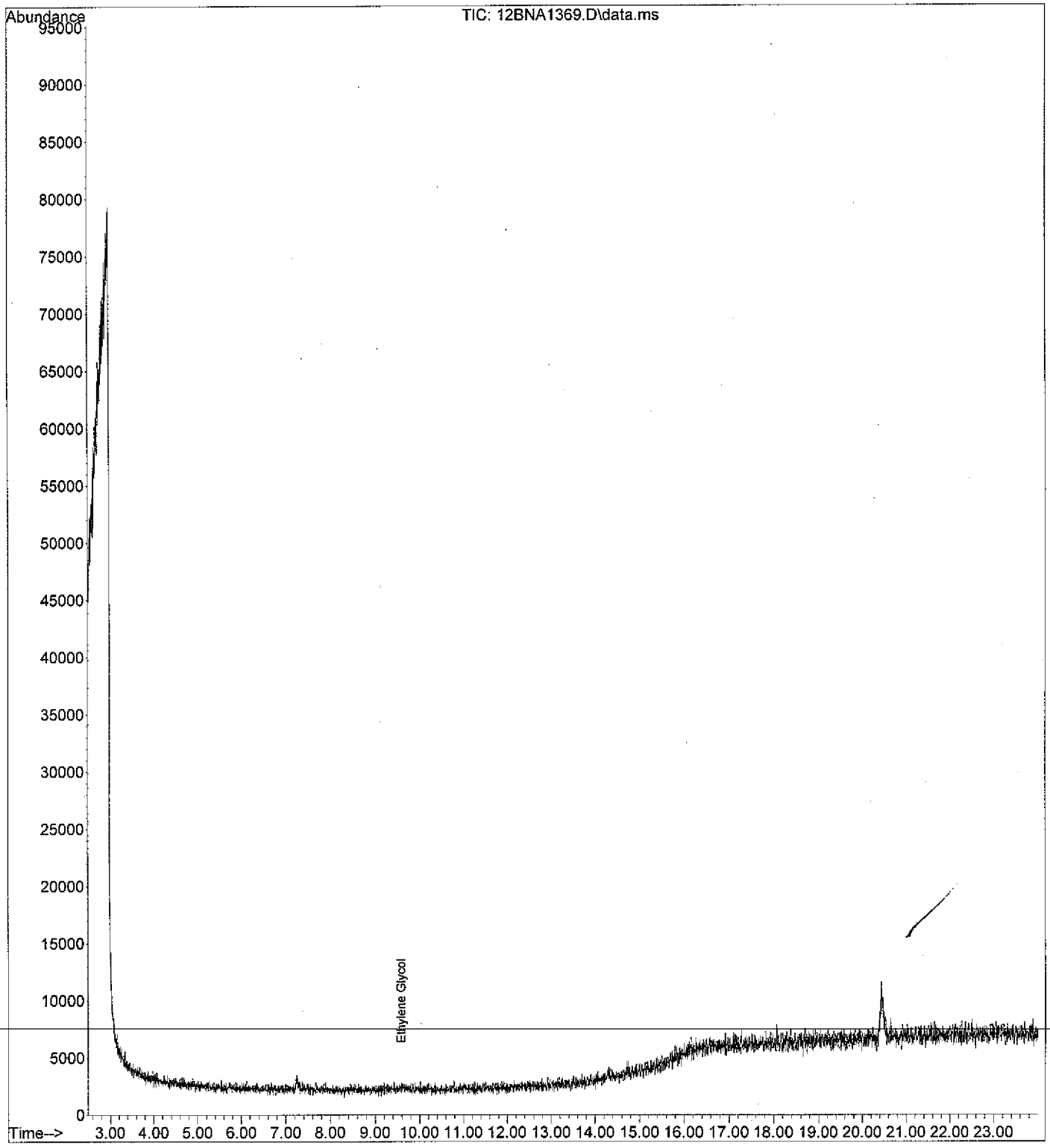
(#) = qualifier out of range (m) = manual integration (+) = signals summed

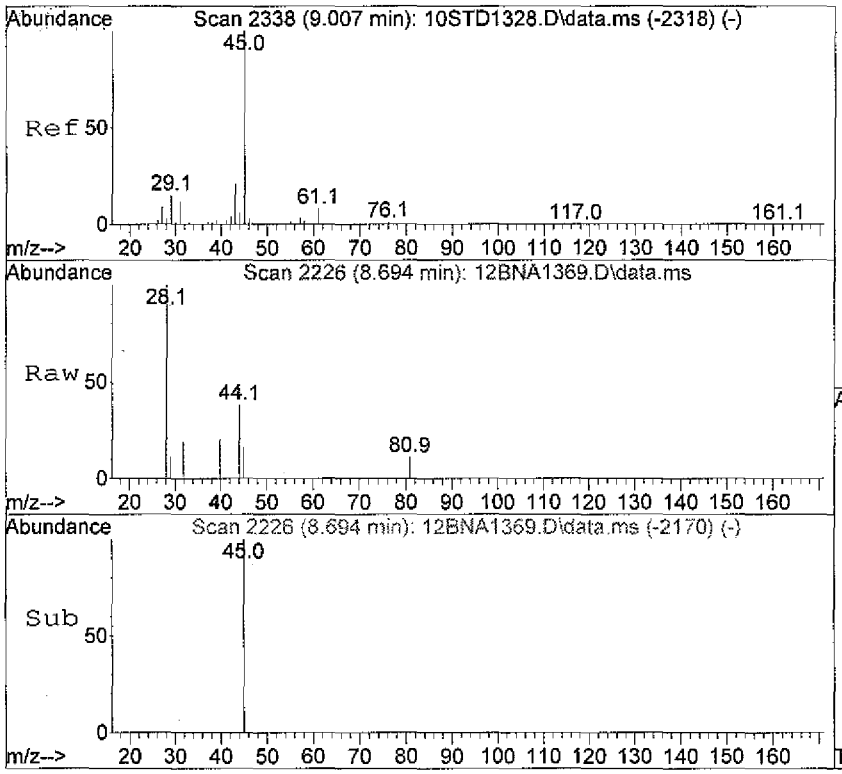
ND

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1369.D
Acq On : 9 Mar 2012 4:28 pm
Operator : kws
Sample : 1203007-02 Inst : Betty
Misc : 1x 1 µl 1203007-02 A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 28 06:47:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

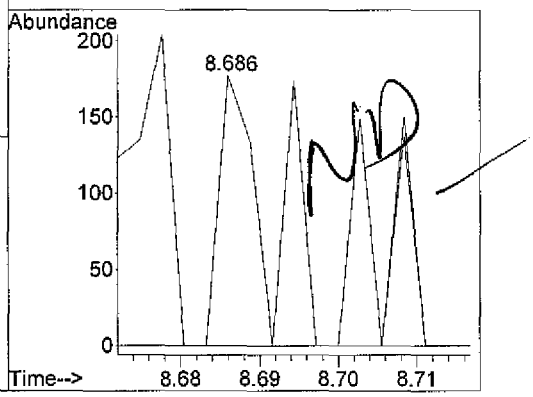


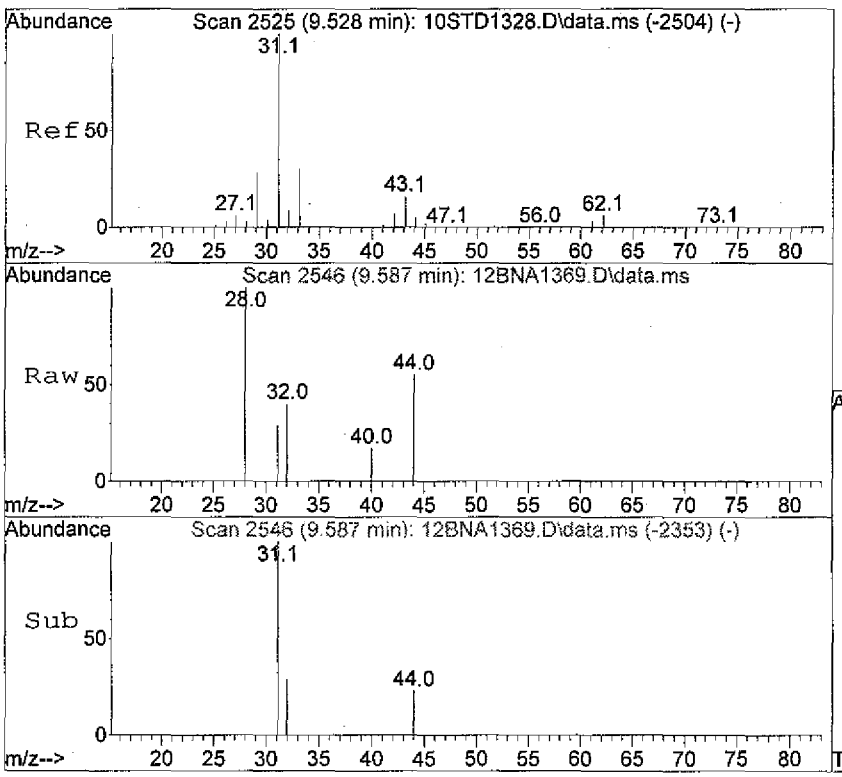


#1
Propylene Glycol
Concen: Below Cal
RT: 8.694 min Scan# 2226
Delta R.T. -0.343 min
Lab File: 12BNA1369.D
Acq: 9 Mar 2012 4:28 pm

Tgt Ion: 45 Resp: 106

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

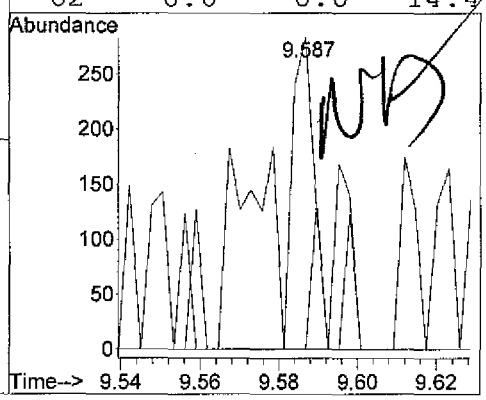




#2
Ethylene Glycol
Concen: 0.06 ug/ml
RT: 9.587 min Scan# 2546
Delta R.T. 0.039 min
Lab File: 12BNA1369.D
Acq: 9 Mar 2012 4:28 pm

Tgt Ion: 31 Resp: 288

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS
ABN Glycols

Lab ID: 1203007-03 **Station ID: HW61-P**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/06/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

20

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1370.D
Acq On : 9 Mar 2012 4:55 pm
Operator : kws
Sample : 1203007-03 Inst : Betty
Misc : 1x 1 µl 1203007-03 A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 13:46:13 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

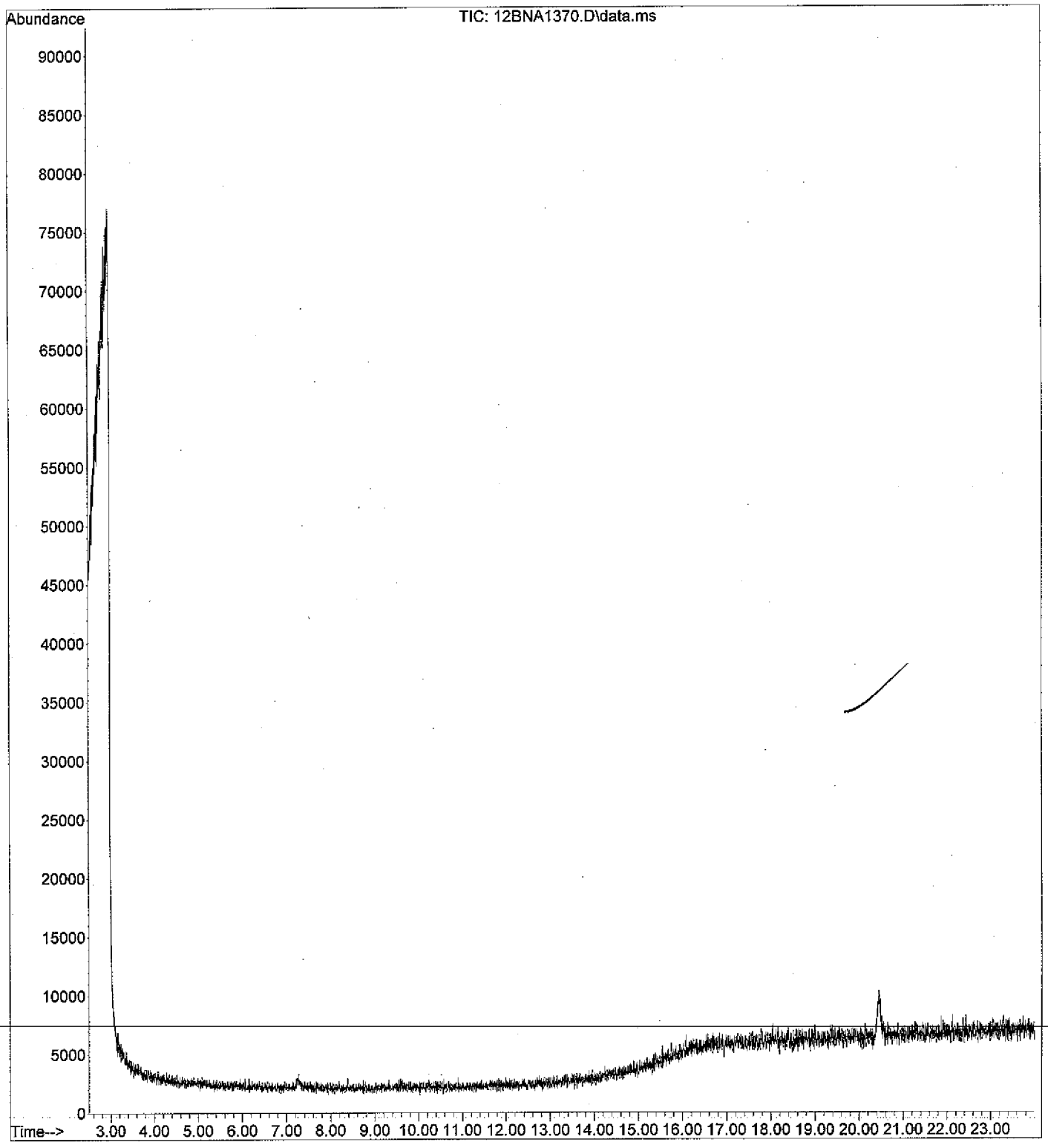
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.135	45	101	N.D.	
2) Ethylene Glycol	9.620	31	120	N.D.	

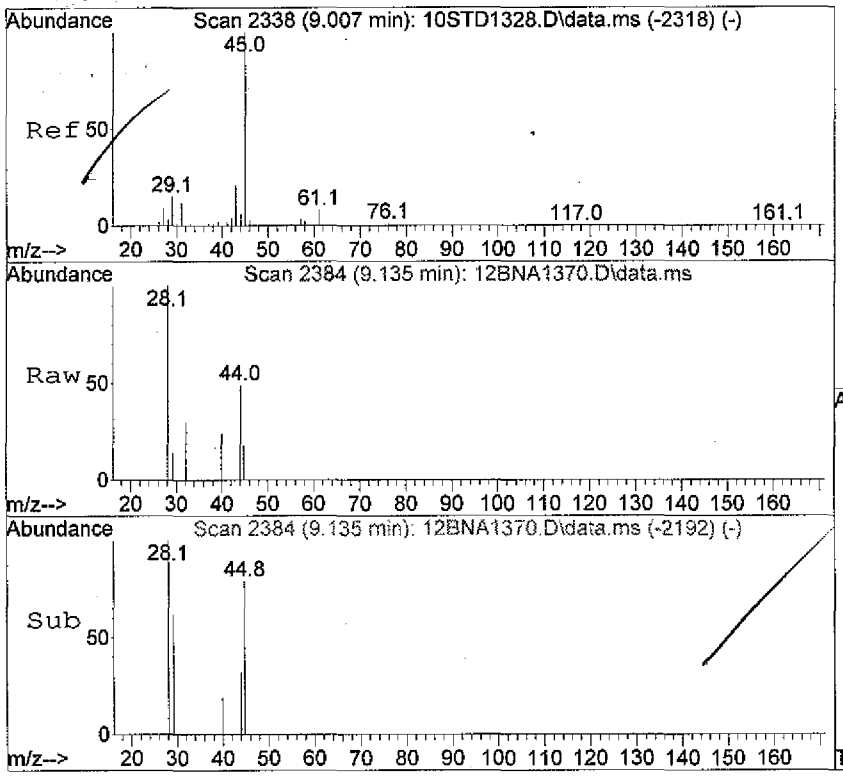
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1370.D
Acq On : 9 Mar 2012 4:55 pm
Operator : kws
Sample : 1203007-03 Inst : Betty
Misc : 1x 1 µl 1203007-03 A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 13:46:13 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

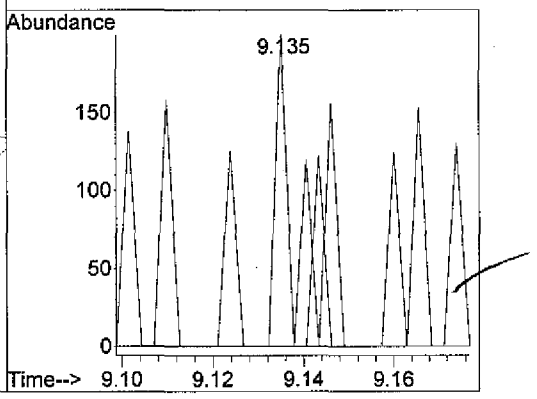


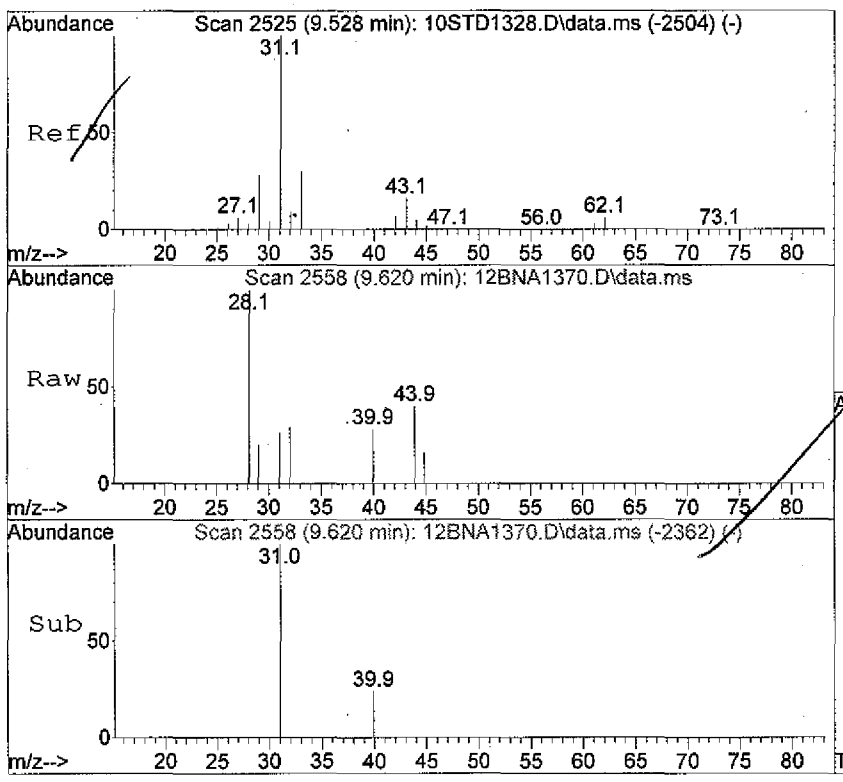


#1
Propylene Glycol
Concen: Below Cal
RT: 9.135 min Scan# 2384
Delta R.T. 0.036 min
Lab File: 12BNA1370.D
Acq: 9 Mar 2012 4:55 pm

Tgt Ion: 45 Resp: 101

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

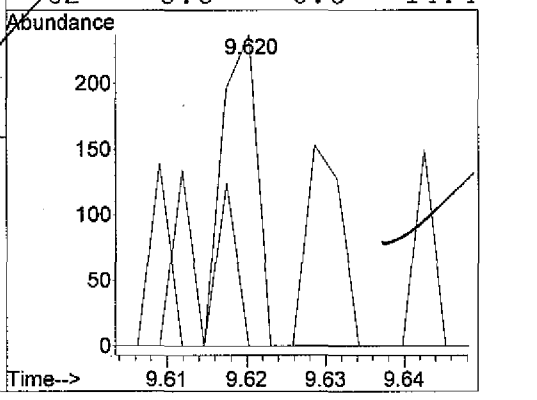




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.620 min Scan# 2558
Delta R.T. 0.047 min
Lab File: 12BNA1370.D
Acq: 9 Mar 2012 4:55 pm

Tgt Ion: 31 Resp: 120

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1370.D
Acq On : 9 Mar 2012 4:55 pm
Operator : kws
Sample : 1203007-03 Inst : Betty
Misc : 1x 1 µl 1203007-03 A
ALS Vial : 18 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 06:48:33 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

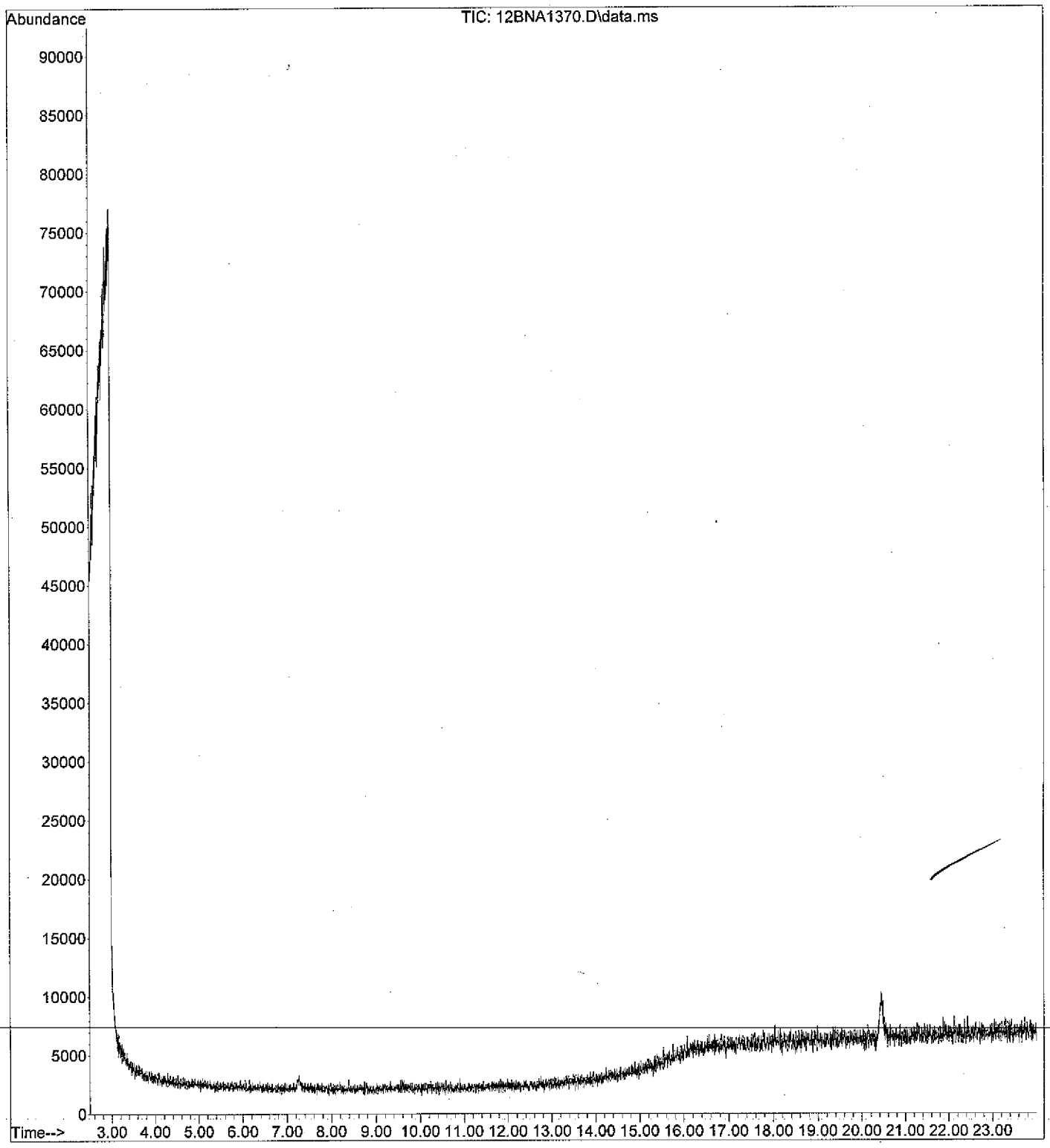
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.135	45	101	N.D.		
2) Ethylene Glycol	9.573	31	105	N.D.		

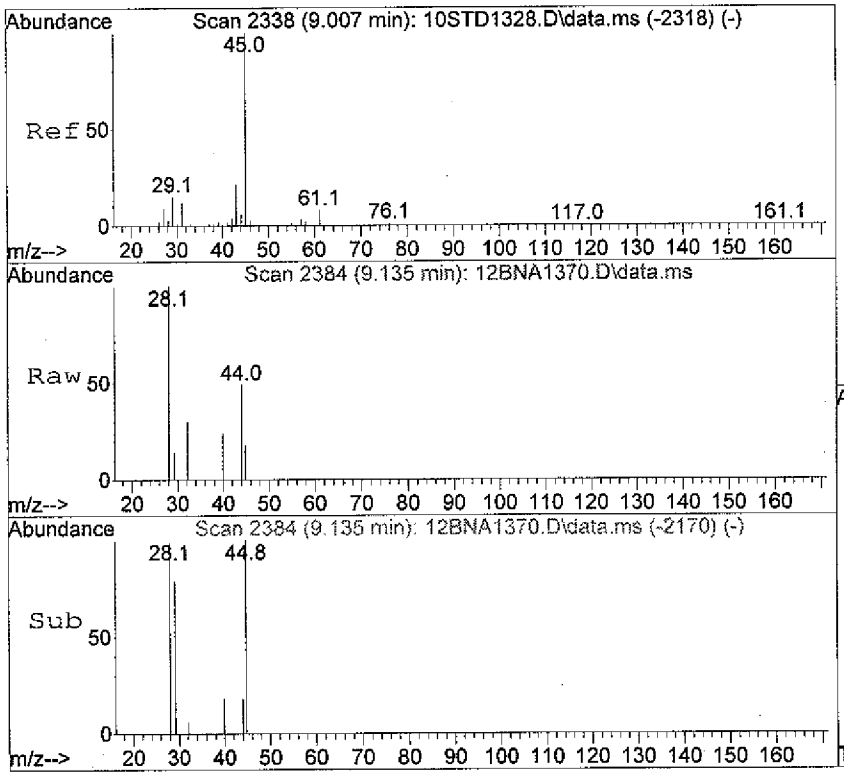
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1370.D
Acq On : 9 Mar 2012 4:55 pm
Operator : kws
Sample : 1203007-03 Inst : Betty
Misc : 1x 1 µl 1203007-03 A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 28 06:48:33 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

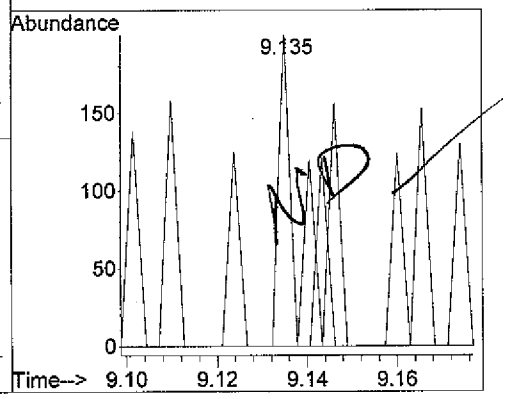


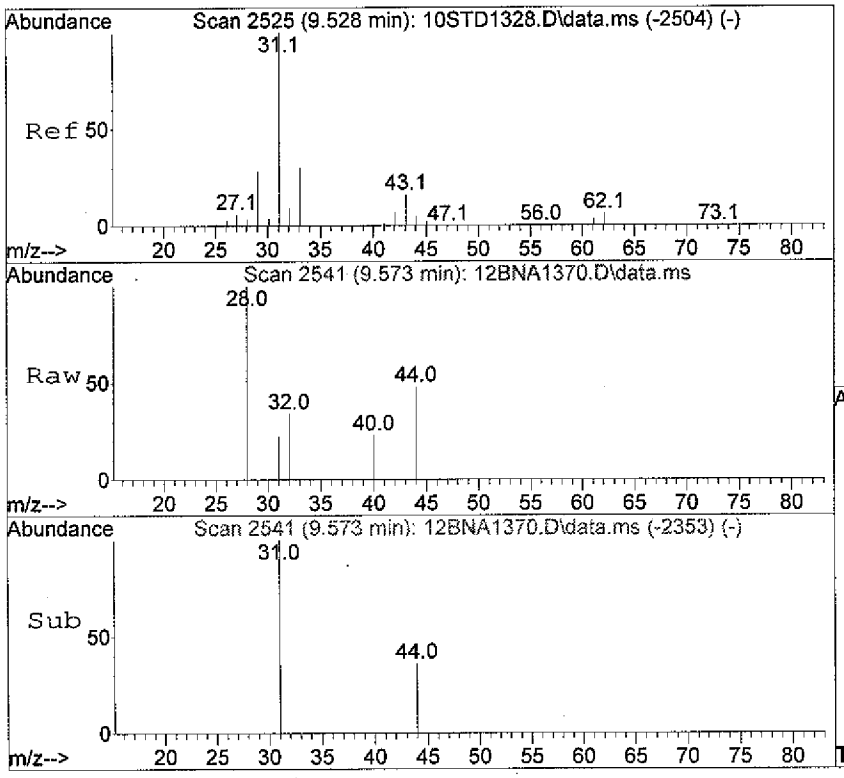


#1
Propylene Glycol
Concen: Below Cal
RT: 9.135 min Scan# 2384
Delta R.T. 0.098 min
Lab File: 12BNA1370.D
Acq: 9 Mar 2012 4:55 pm

Tgt Ion: 45 Resp: 101

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

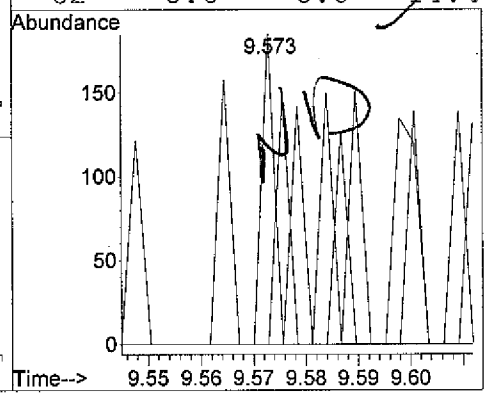




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.573 min Scan# 2541
Delta R.T. 0.025 min
Lab File: 12BNA1370.D
Acq: 9 Mar 2012 4:55 pm

Tgt Ion: 31 Resp: 105

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

ABN Glycols

Lab ID: 1203007-04 **Station ID: HW61z**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/07/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

=(2.5)

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1371.D
Acq On : 9 Mar 2012 5:21 pm
Operator : kws
Sample : 1203007-04 Inst : Betty
Misc : 1x 1 µl 1203007-04 A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 13:46:51 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.244	45	165	N.D.	
2) Ethylene Glycol	9.606	31	139	N.D.	

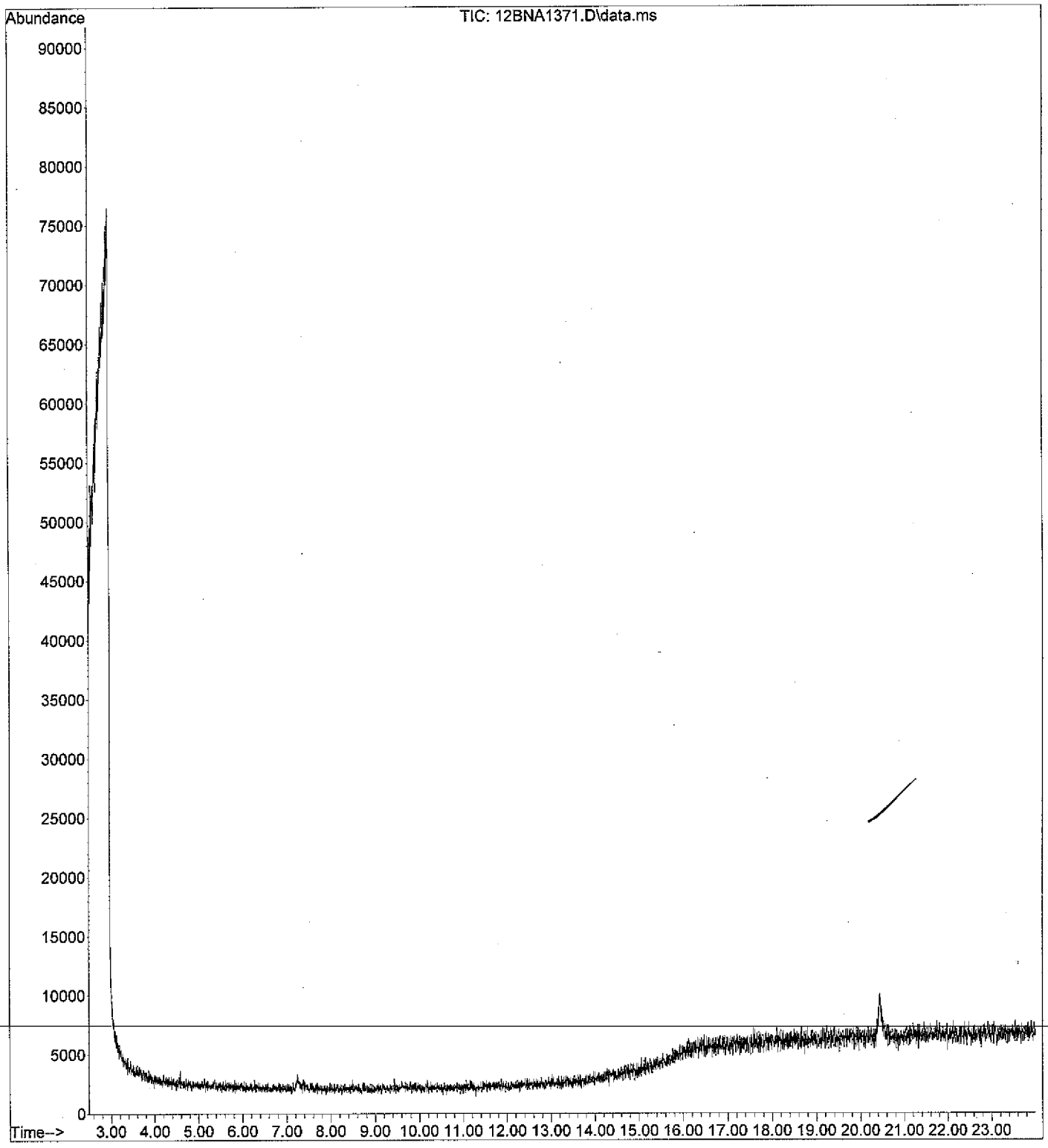
(#) = qualifier out of range (m) = manual integration (+) = signals summed

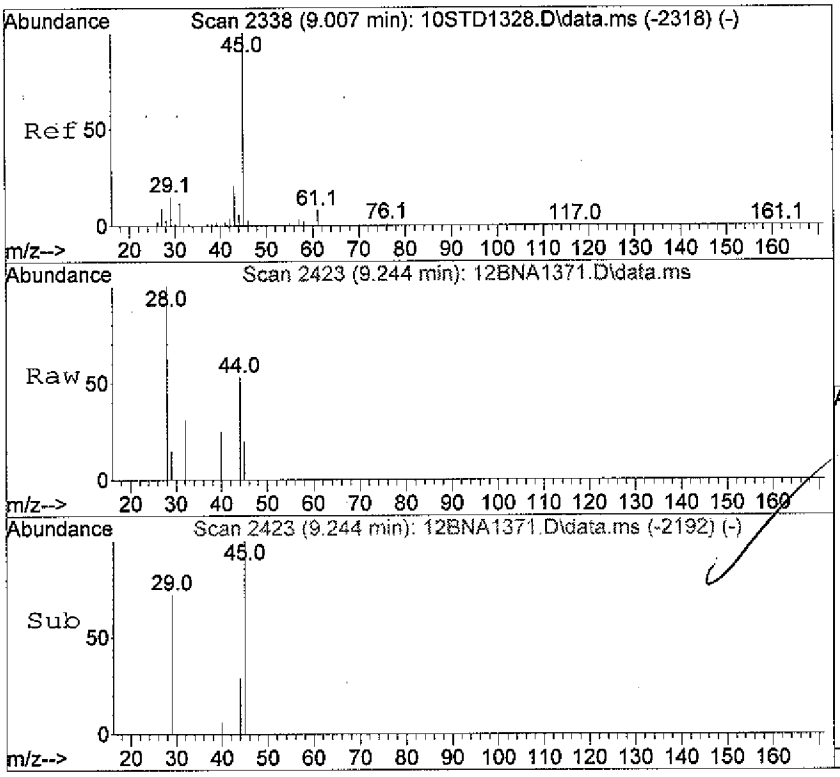
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1371.D
Acq On : 9 Mar 2012 5:21 pm
Operator : kws
Sample : 1203007-04 Inst : Betty
Misc : 1x 1 µl 1203007-04 A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 13:46:51 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

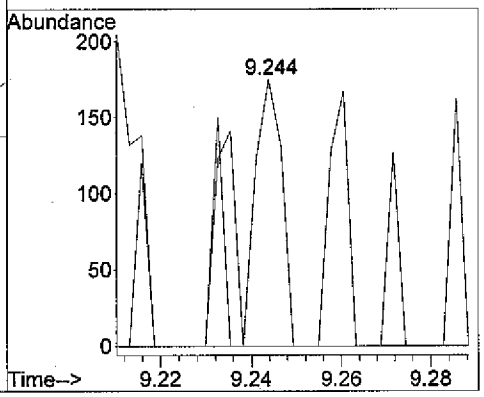


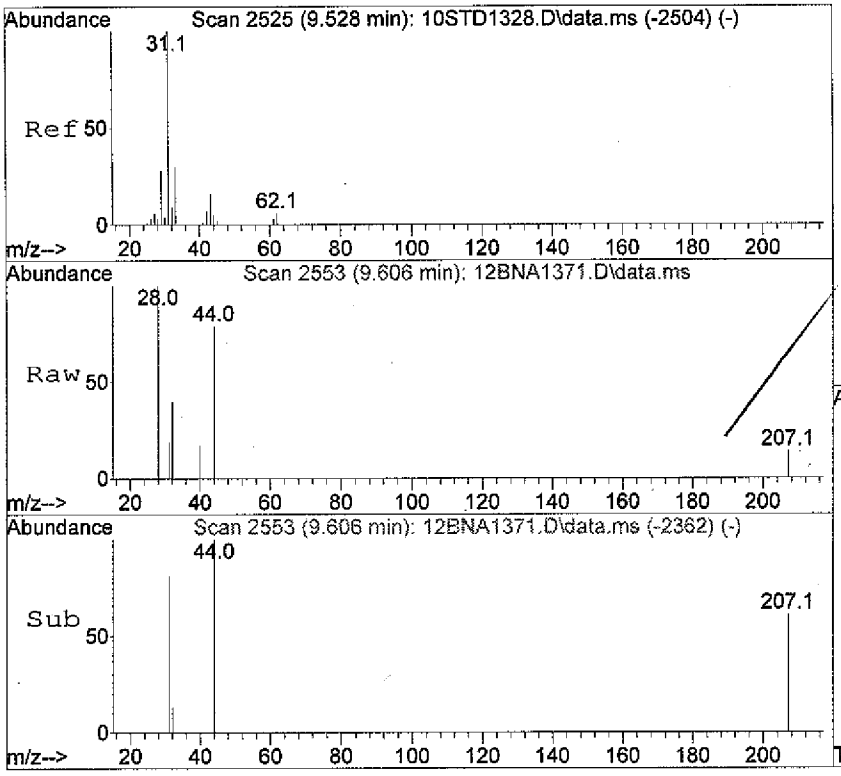


#1
Propylene Glycol
Concen: Below Cal
RT: 9.244 min Scan# 2423
Delta R.T. 0.145 min
Lab File: 12BNA1371.D
Acq: 9 Mar 2012 5:21 pm

Tgt Ion: 45 Resp: 165

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

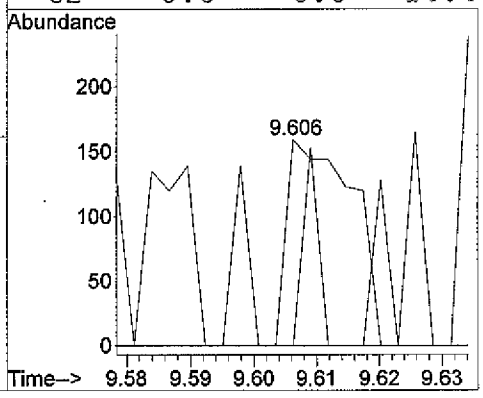




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.606 min Scan# 2553
Delta R.T. 0.033 min
Lab File: 12BNA1371.D
Acq: 9 Mar 2012 5:21 pm

Tgt Ion: 31 Resp: 139

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1371.D
Acq On : 9 Mar 2012 5:21 pm
Operator : kws
Sample : 1203007-04 Inst : Betty
Misc : 1x 1 µl 1203007-04 A
ALS Vial : 19 Sample Multiplier: 1 Recalc

Quant Time: Mar 28 06:49:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

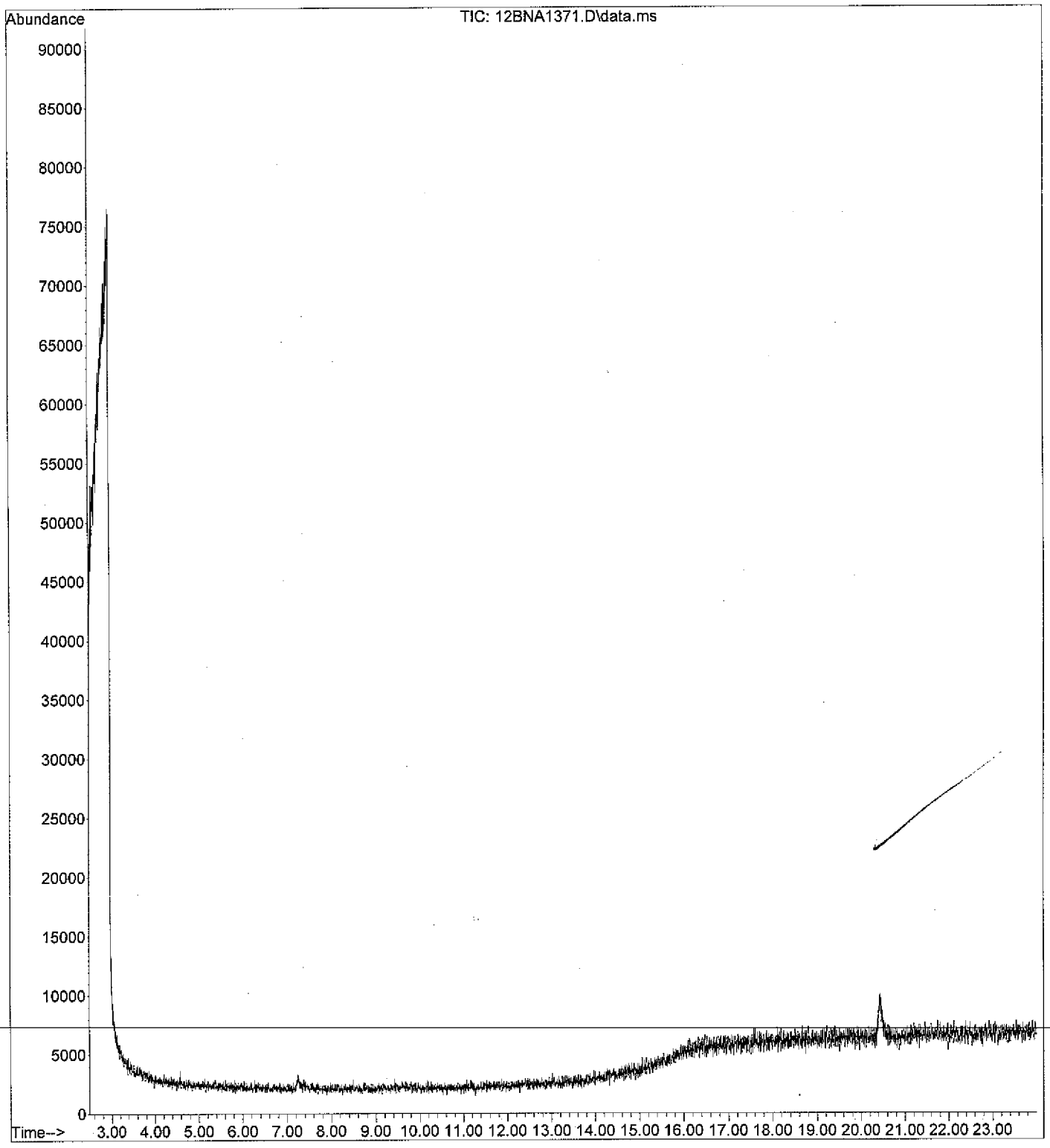
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.244	45	165	N.D.	
2) Ethylene Glycol	9.590	31	111	N.D.	

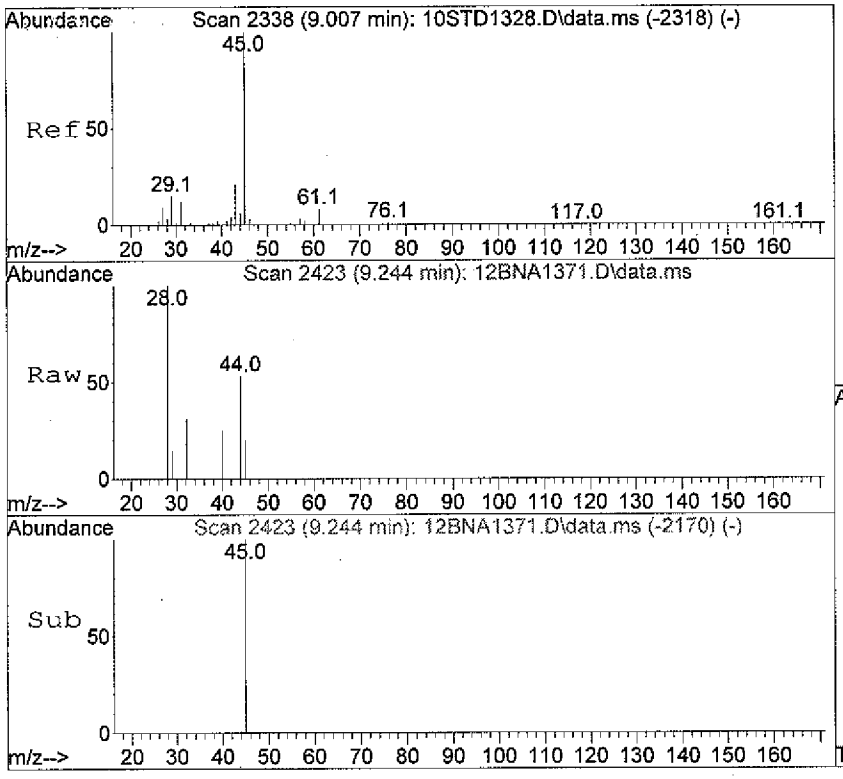
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1371.D
Acq On : 9 Mar 2012 5:21 pm
Operator : kws
Sample : 1203007-04 Inst : Betty
Misc : 1x 1 µl 1203007-04 A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 28 06:49:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

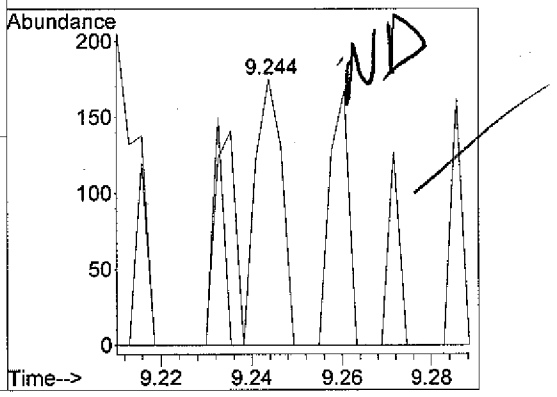


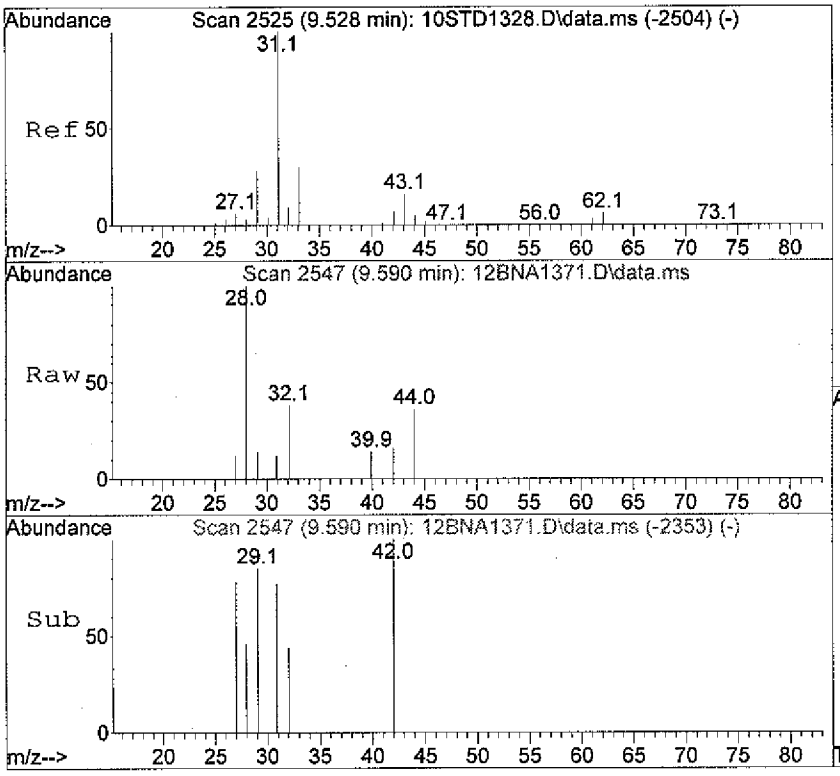


#1
Propylene Glycol
Concen: Below Cal
RT: 9.244 min Scan# 2423
Delta R.T. 0.207 min
Lab File: 12BNA1371.D
Acq: 9 Mar 2012 5:21 pm

Tgt Ion: 45 Resp: 165

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

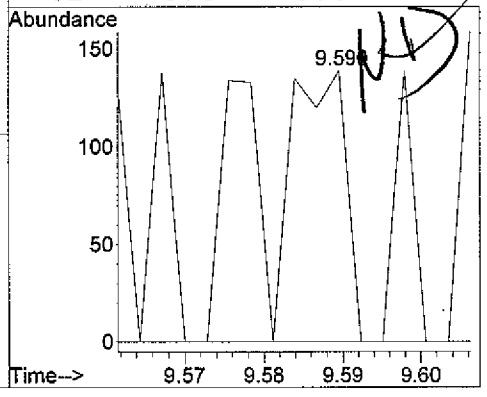




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.590 min Scan# 2547
Delta R.T. 0.042 min
Lab File: 12BNA1371.D
Acq: 9 Mar 2012 5:21 pm

Tgt Ion: 31 Resp: 111

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



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Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

ABN Glycols

Lab ID: 1203012-01 **Station ID: FB21**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/08/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

=2.0

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1372.D
Acq On : 9 Mar 2012 5:47 pm
Operator : kws
Sample : 1203012-01 Inst : Betty
Misc : Ix 1 µl 1203012-01 A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 13:48:03 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.431	45	188	N.D.	
2) Ethylene Glycol	9.576	31	101	N.D.	

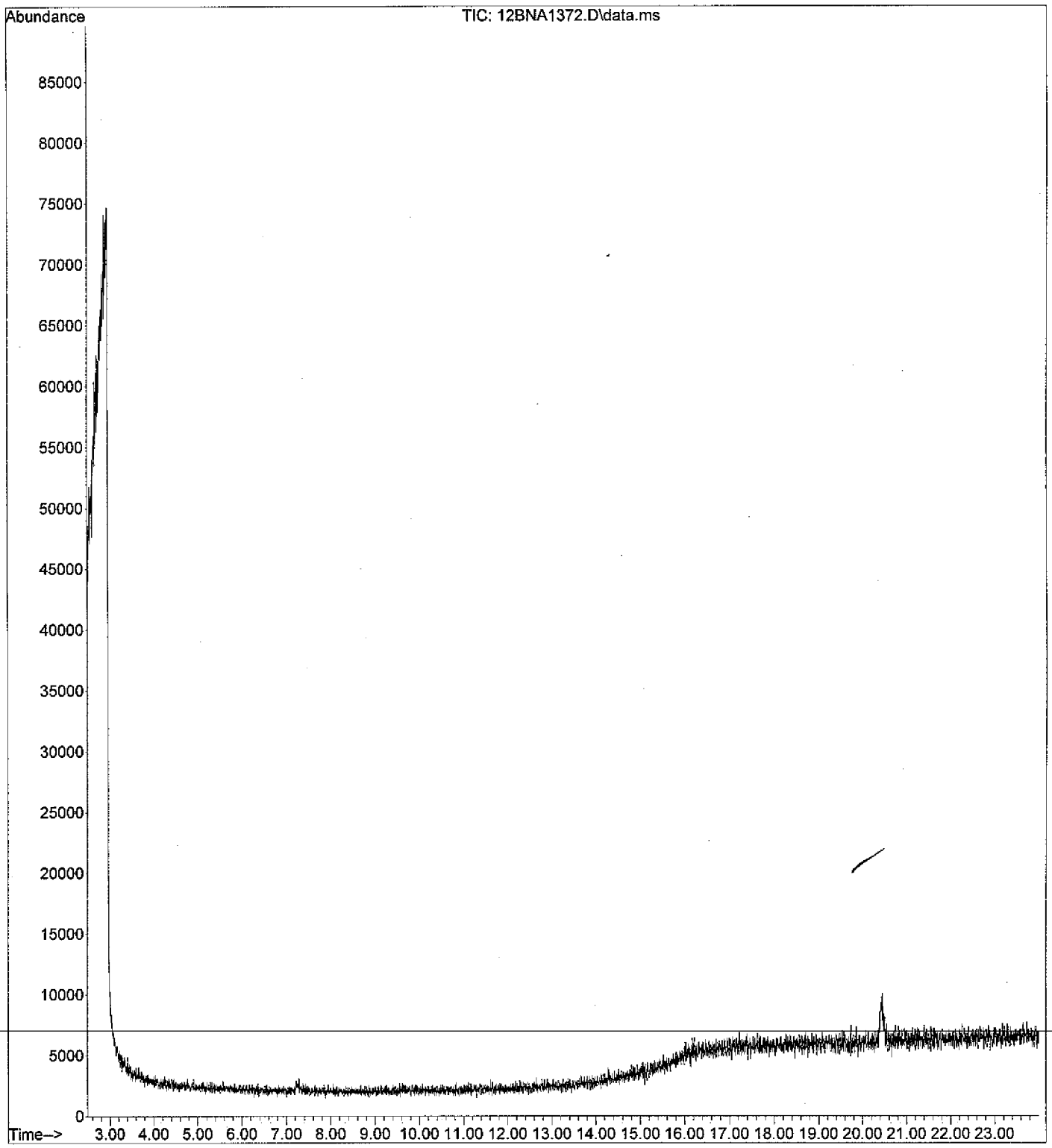
(#) = qualifier out of range (m) = manual integration (+) = signals summed

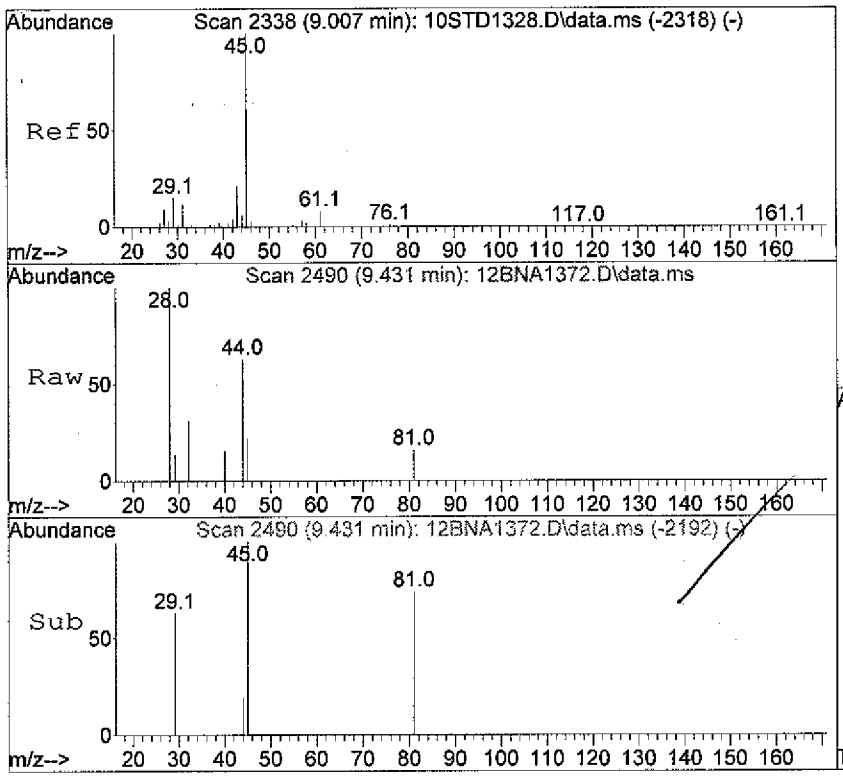
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1372.D
Acq On : 9 Mar 2012 5:47 pm
Operator : kws
Sample : 1203012-01 Inst : Betty
Misc : 1x 1 µl 1203012-01 A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 13:48:03 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

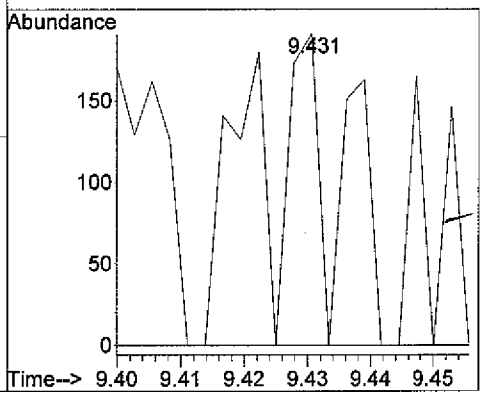


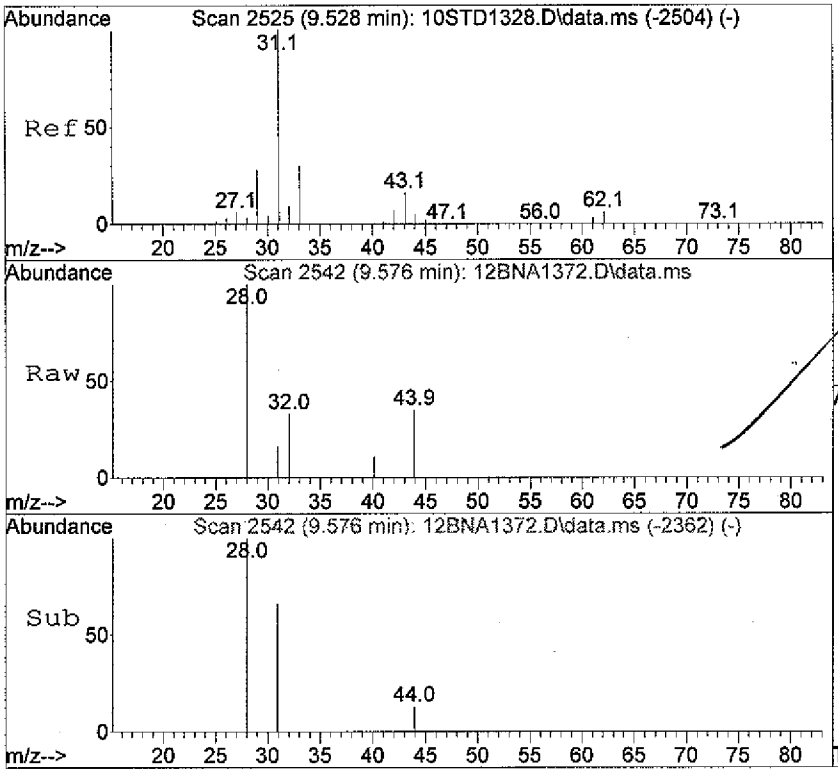


#1
Propylene Glycol
Concen: Below Cal
RT: 9.431 min Scan# 2490
Delta R.T. 0.332 min
Lab File: 12BNA1372.D
Acq: 9 Mar 2012 5:47 pm

Tgt Ion: 45 Resp: 188

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

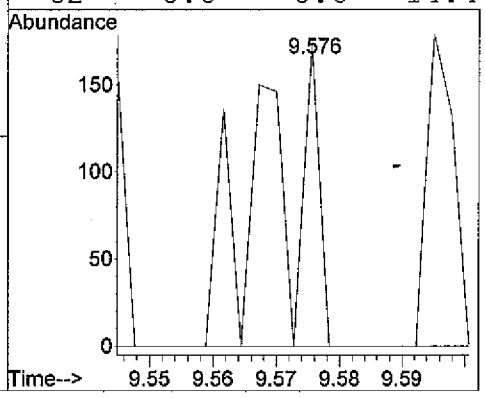




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.576 min Scan# 2542
Delta R.T. 0.003 min
Lab File: 12BNA1372.D
Acq: 9 Mar 2012 5:47 pm

Tgt Ion: 31 Resp: 101

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1372.D
Acq On : 9 Mar 2012 5:47 pm
Operator : kws
Sample : 1203012-01 Inst : Betty
Misc : 1x 1 µl 1203012-01 A
ALS Vial : 20 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 06:49:52 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

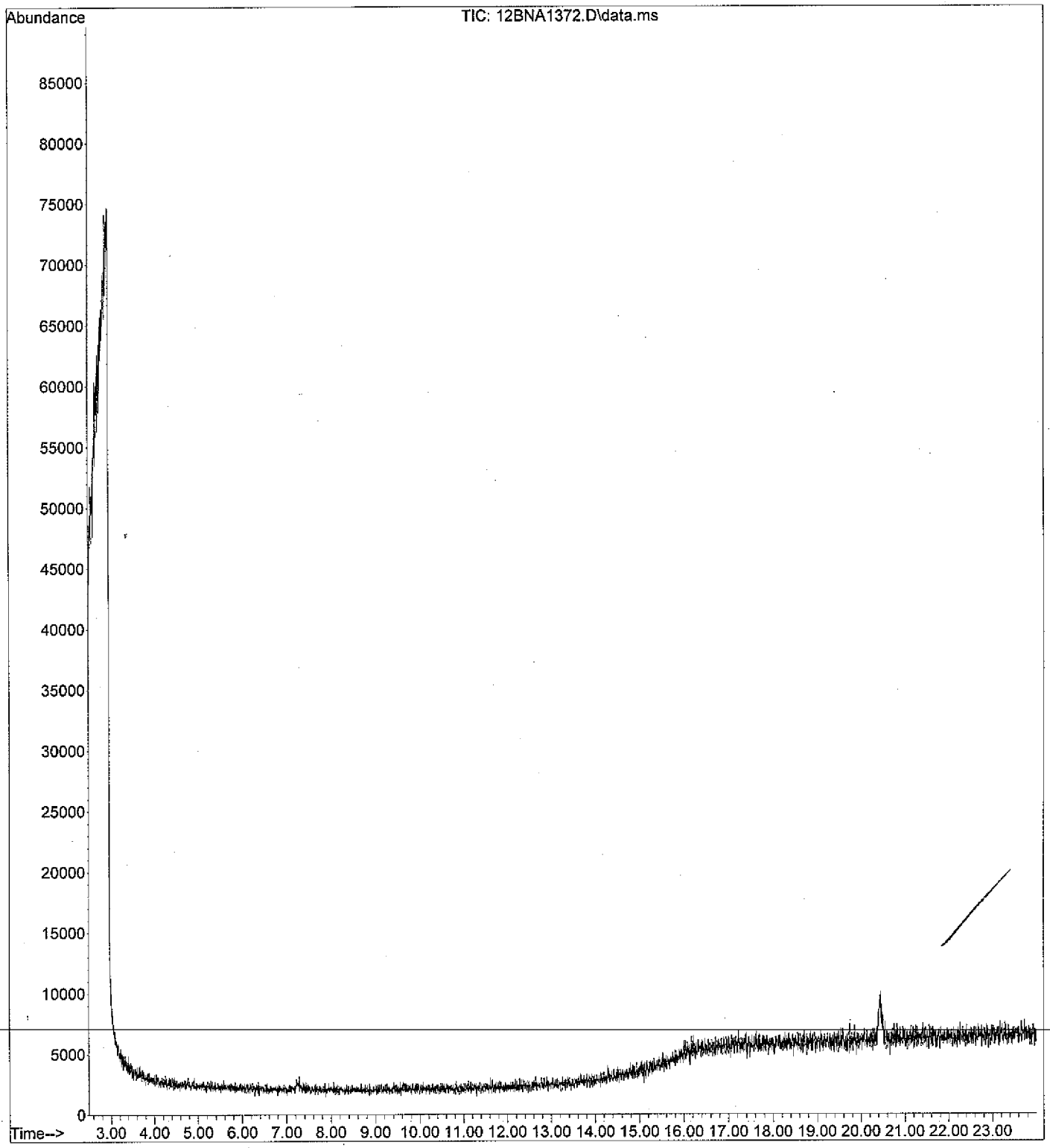
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.431	45	188	N.D.	
2) Ethylene Glycol	9.576	31	101	N.D.	

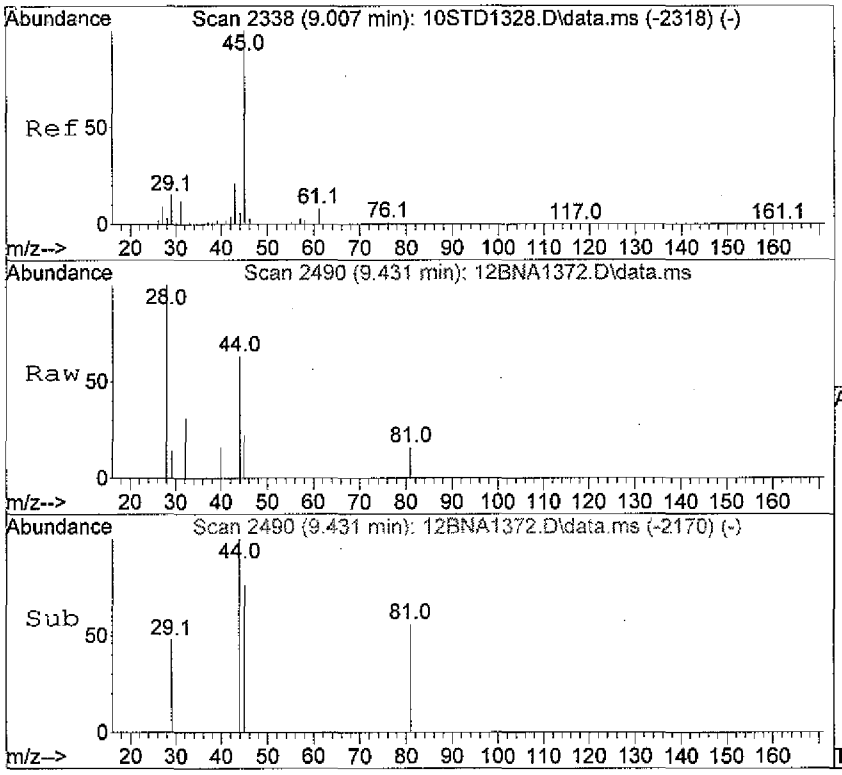
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1372.D
Acq On : 9 Mar 2012 5:47 pm
Operator : kws
Sample : 1203012-01 Inst : Betty
Misc : 1x 1 µl 1203012-01 A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 28 06:49:52 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

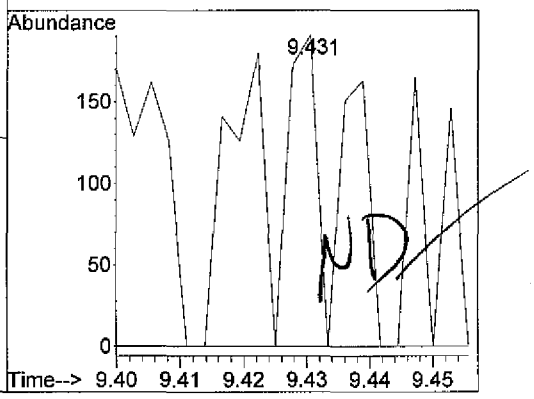


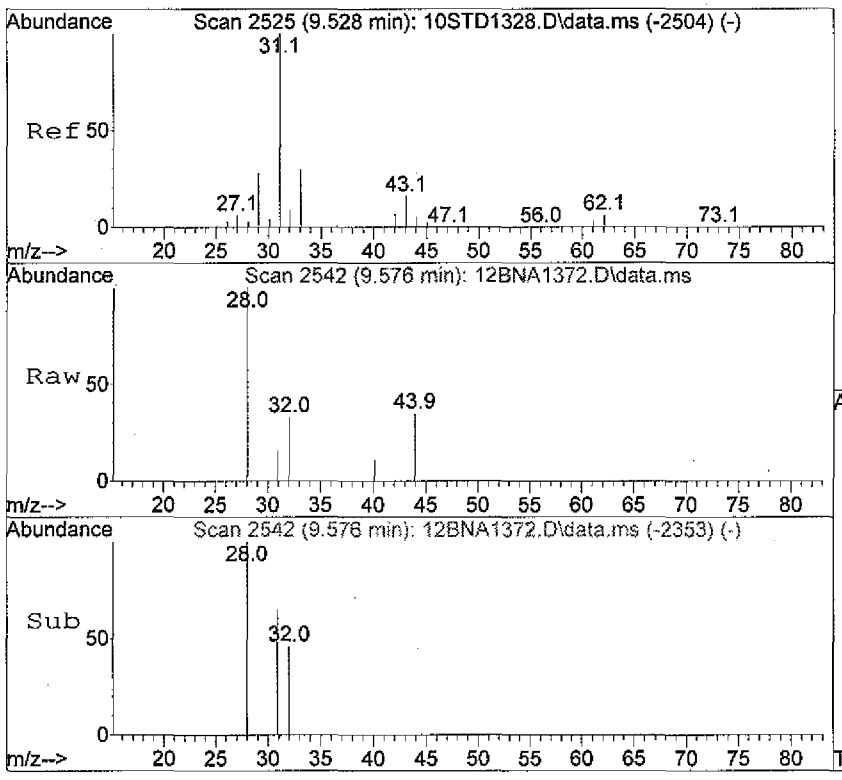


#1
Propylene Glycol
Concen: Below Cal
RT: 9.431 min Scan# 2490
Delta R.T. 0.394 min
Lab File: 12BNA1372.D
Acq: 9 Mar 2012 5:47 pm

Tgt Ion: 45 Resp: 188

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

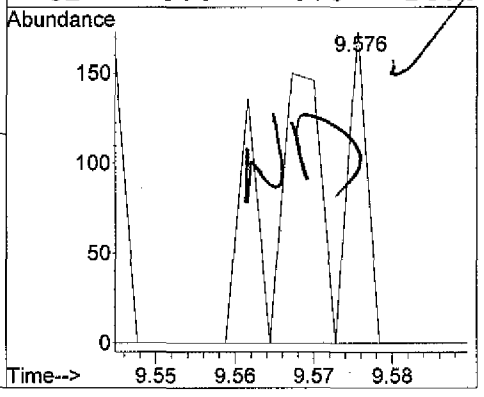




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.576 min Scan# 2542
Delta R.T. 0.028 min
Lab File: 12BNA1372.D
Acq: 9 Mar 2012 5:47 pm

Tgt Ion: 31 Resp: 101

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



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Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS
ABN Glycols

Lab ID: 1203012-02 **Station ID: HW50**

Batch: B2C0702
Sample Type: Liquid

Date Collected: 03/08/12
Sample Volume: 1 ml

Sample Qualifiers:
Analyst: kws

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		0.5	1	03/09/12	03/09/12
Ethylene glycol (107-21-1)	U		0.5	"	"	"

kws

=12.0

DRAFT

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1373.D
Acq On : 9 Mar 2012 6:13 pm
Operator : kws
Sample : 1203012-02 Inst : Betty
Misc : 1x 1 µl 1203012-02 A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 13:48:38 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.208	45	186	N.D.	
2) Ethylene Glycol	9.601	31	131	N.D.	

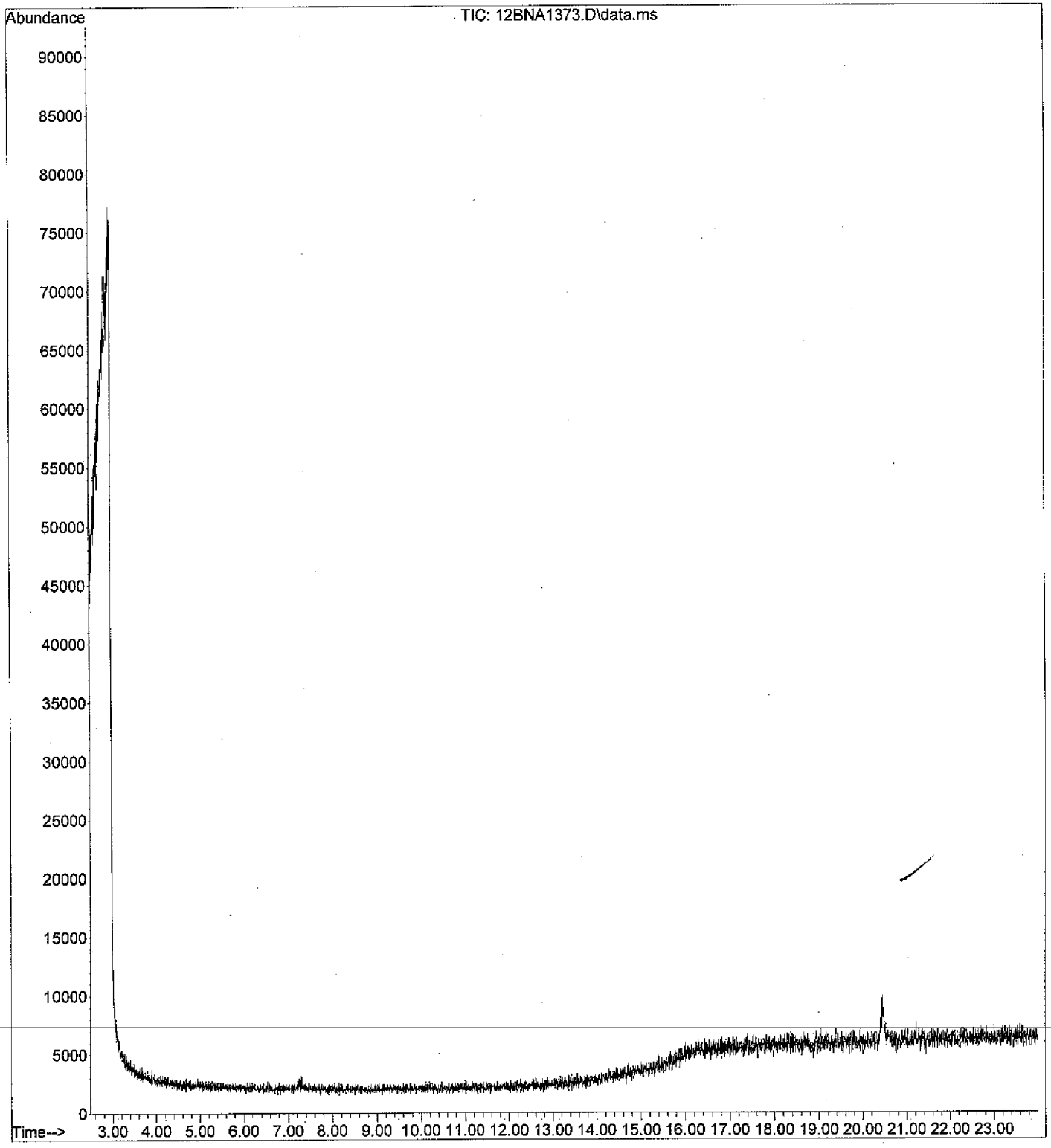
(#) = qualifier out of range (m) = manual integration (+) = signals summed

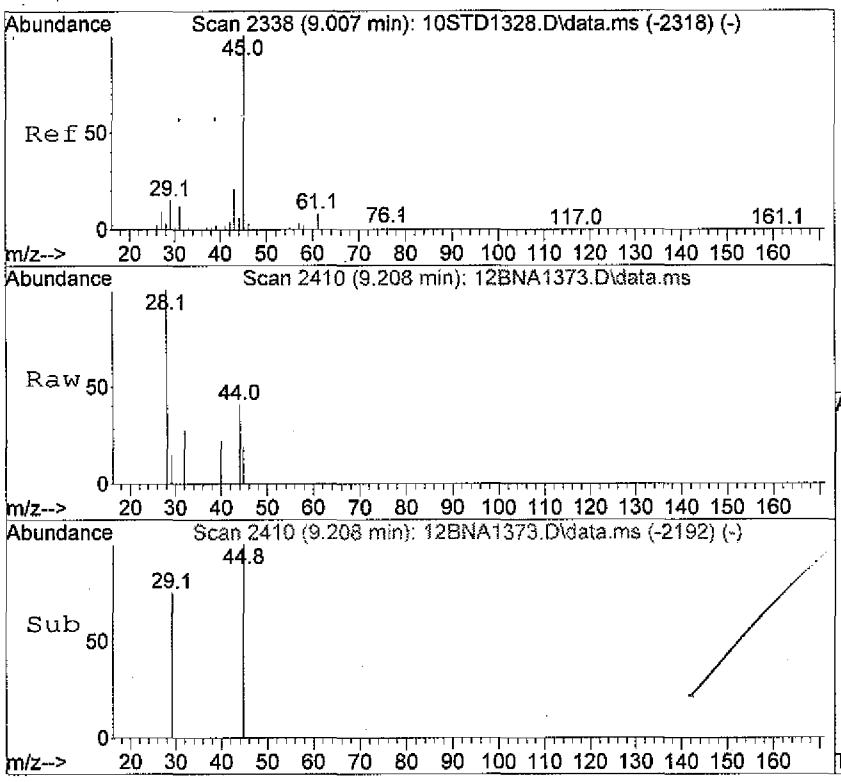
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1373.D
Acq On : 9 Mar 2012 6:13 pm
Operator : kws
Sample : 1203012-02 Inst : Betty
Misc : 1x 1 µl 1203012-02 A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 13:48:38 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

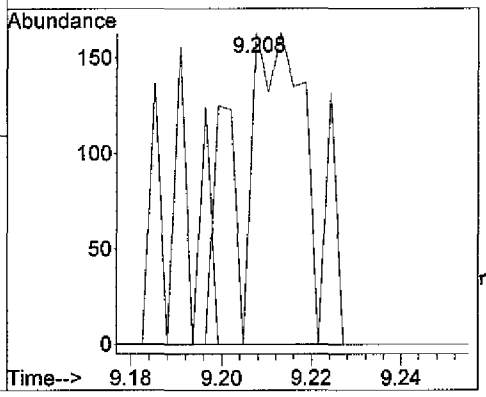


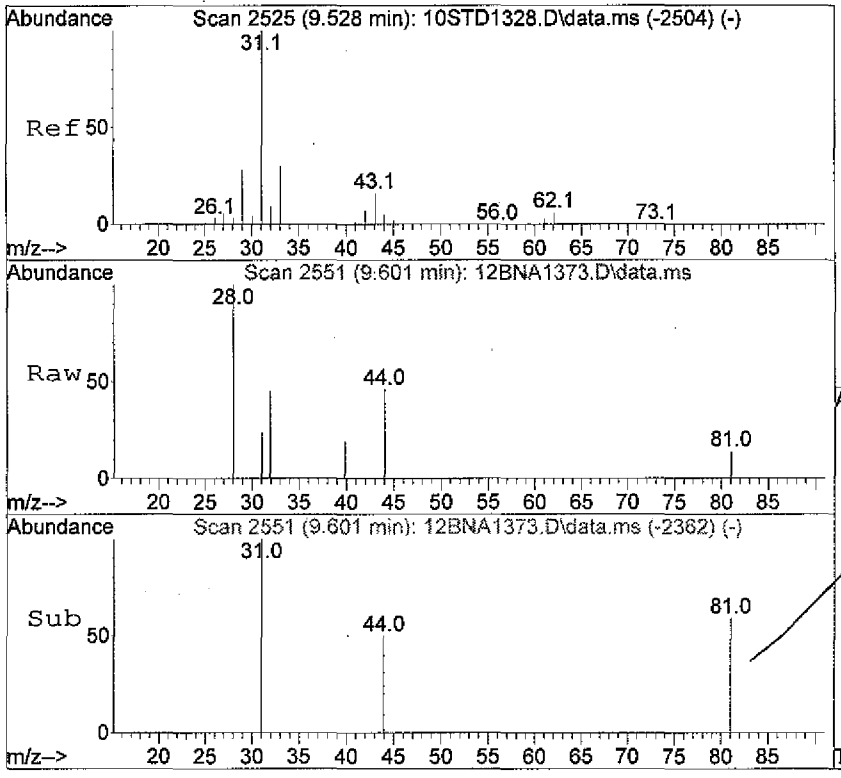


#1
Propylene Glycol
Concen: Below Cal
RT: 9.208 min Scan# 2410
Delta R.T. 0.109 min
Lab File: 12BNA1373.D
Acq: 9 Mar 2012 6:13 pm

Tgt Ion: 45 Resp: 186

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

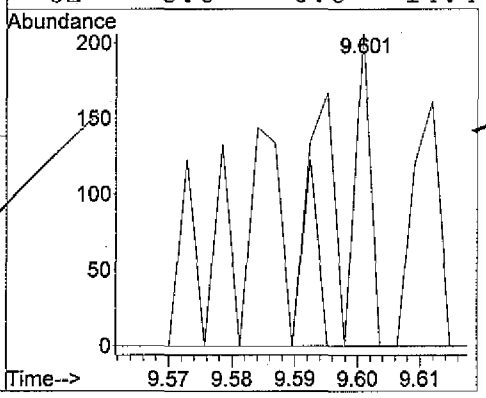




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.601 min Scan# 2551
Delta R.T. 0.028 min
Lab File: 12BNA1373.D
Acq: 9 Mar 2012 6:13 pm

Tgt Ion: 31 Resp: 131

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1373.D
Acq On : 9 Mar 2012 6:13 pm
Operator : kws
Sample : 1203012-02 Inst : Betty
Misc : 1x 1 µl 1203012-02 A
ALS Vial : 21 Sample Multiplier: 1

recalc

Quant Time: Mar 28 06:50:28 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

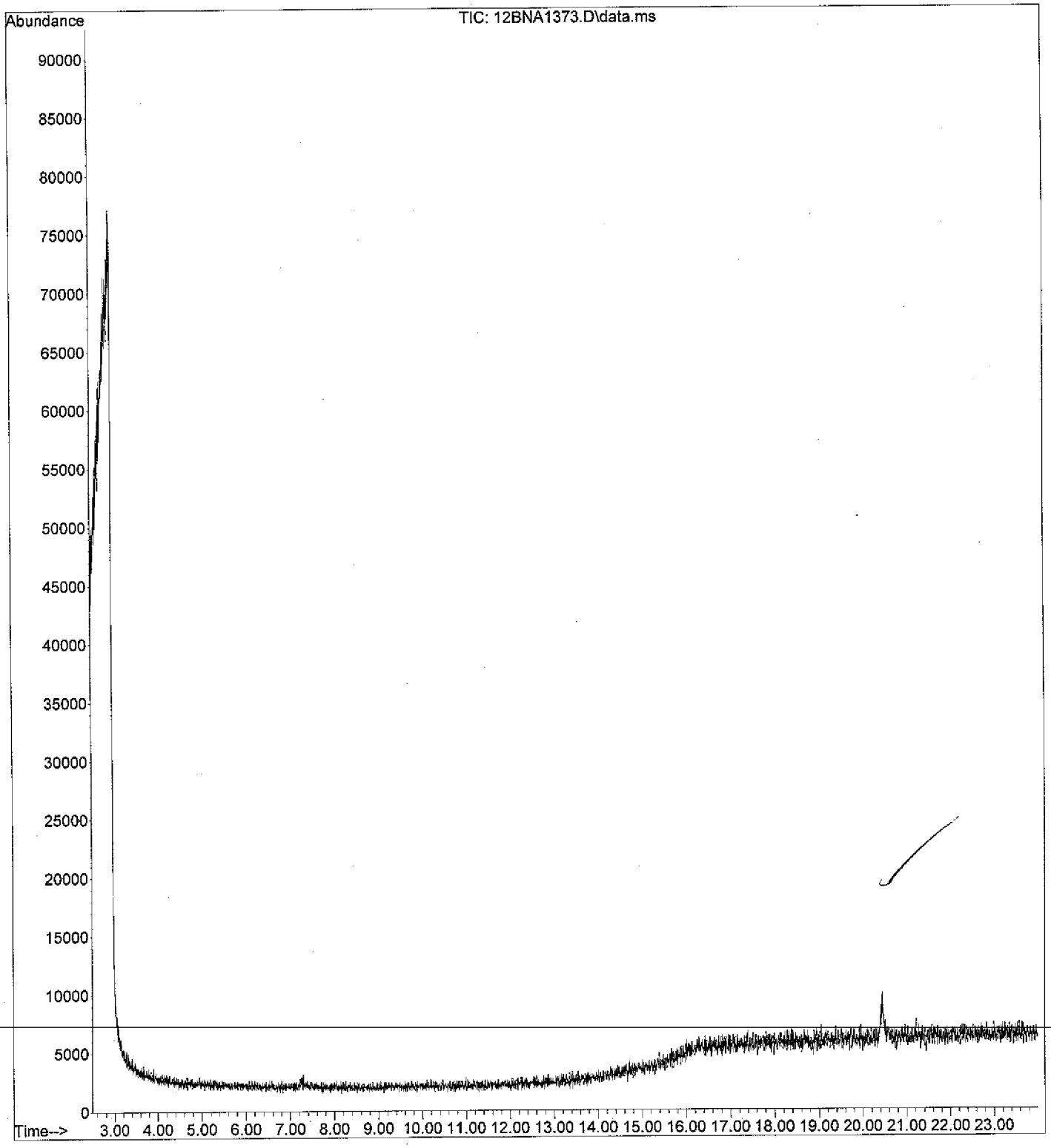
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.208	45	186	N.D.	
2) Ethylene Glycol	9.601	31	179	N.D.	

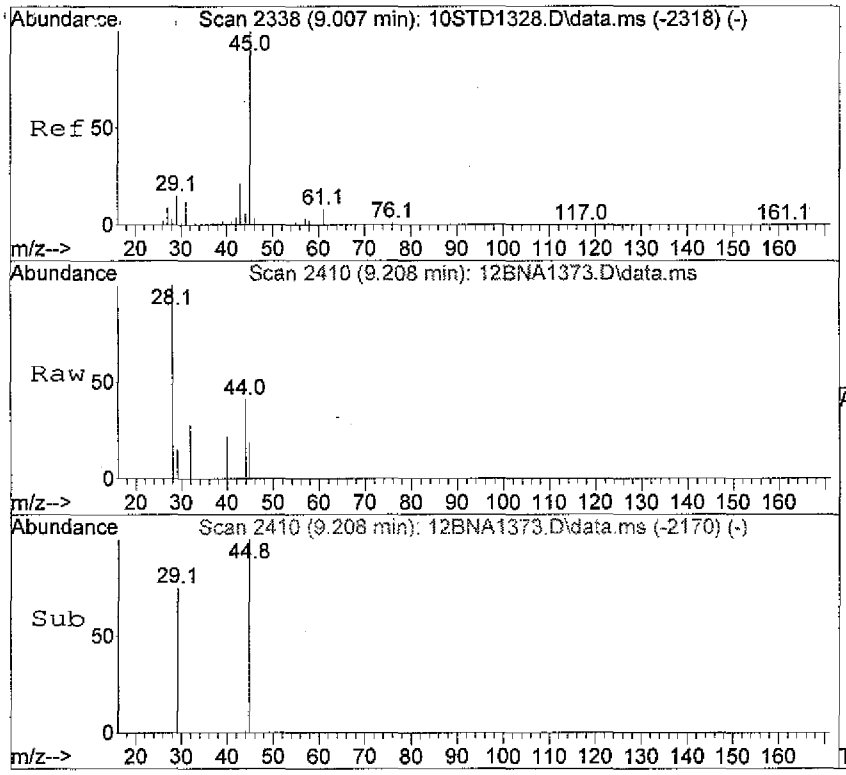
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1373.D
Acq On : 9 Mar 2012 6:13 pm
Operator : kws
Sample : 1203012-02 Inst : Betty
Misc : 1x 1 µl 1203012-02 A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 28 06:50:28 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

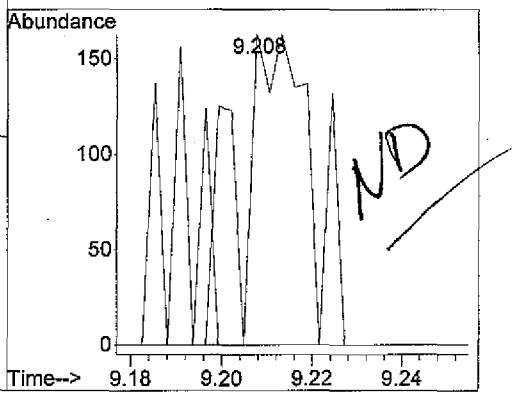


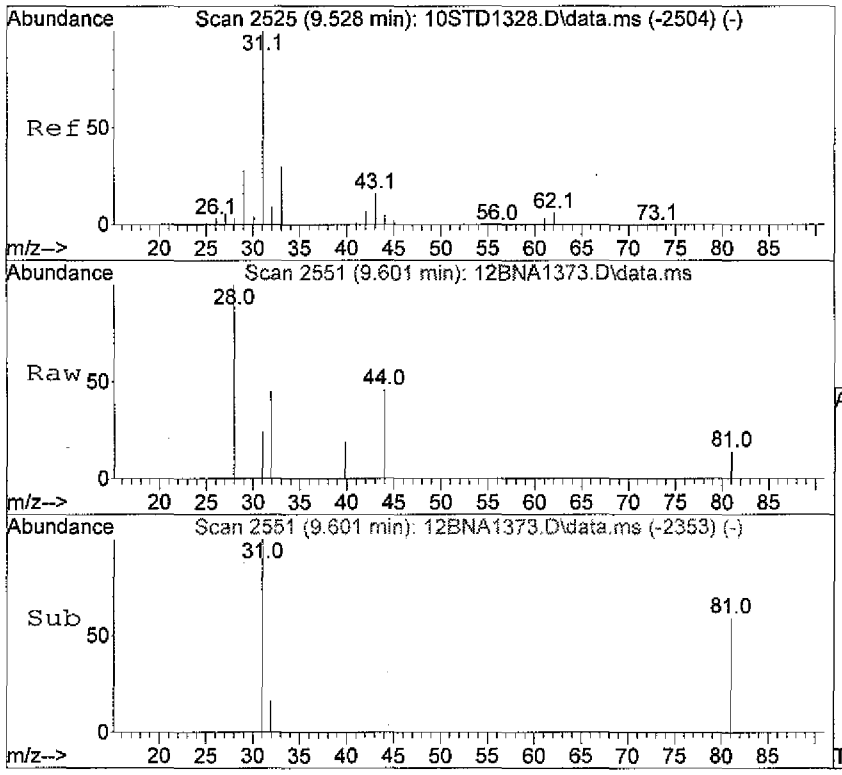


#1
Propylene Glycol
Concen: Below Cal
RT: 9.208 min Scan# 2410
Delta R.T. 0.171 min
Lab File: 12BNA1373.D
Acq: 9 Mar 2012 6:13 pm

Tgt Ion: 45 Resp: 186

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

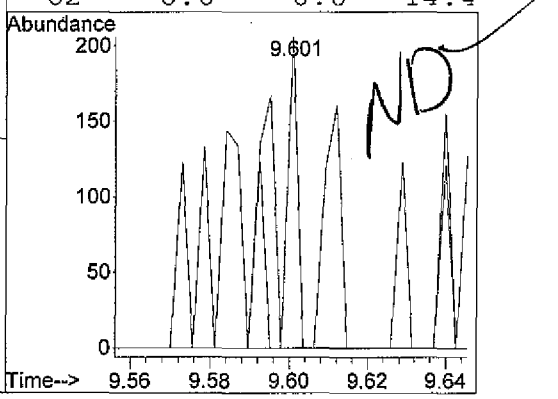




#2
Ethylene Glycol
Concen: Below Cal
RT: 9.601 min Scan# 2551
Delta R.T. 0.053 min
Lab File: 12BNA1373.D
Acq: 9 Mar 2012 6:13 pm

Tgt Ion: 31 Resp: 179

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2C0702 **Sample Type: Liquid**

Blank (B2C0702-BLK1)
Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Propylene glycol	U		0.5
Ethylene glycol	U		0.5

Blank (B2C0702-BLK2)
Prepared: 3/14/2012 Analyzed: 3/14/2012

BK for BS2 only

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Propylene glycol	U		0.5
Ethylene glycol	0.5		0.5

0.47 with recalc

LCS (B2C0702-BS1)
Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Propylene glycol	NR Not Spiked 0.2		0.5		N/A	70-130
Ethylene glycol	53.0 ~~48.7~~		0.5	50.0	97.5 106	70-130

NR

LCS (B2C0702-BS2)
Prepared: 3/14/2012 Analyzed: 3/14/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Propylene glycol	56.1		0.5	50.0	112	70-130
Ethylene glycol	51.5		0.5	50.0	103	70-130

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2C0702 **Sample Type: Liquid**

Blank (B2C0702-BLK1)
Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Propylene glycol	U		0.5
Ethylene glycol	U		0.5

Blank (B2C0702-BLK2)
Prepared: 3/14/2012 Analyzed: 3/14/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Propylene glycol	U		0.5
Ethylene glycol	U		0.5

LCS (B2C0702-BS1)
Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
~~Propylene glycol~~	~~0.2~~		~~0.5~~			~~70-130~~ NR
Ethylene glycol	53.0		0.5	50.0	106	70-130

LCS (B2C0702-BS2)
Prepared: 3/14/2012 Analyzed: 3/14/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Propylene glycol	50.6		0.5	50.0	101	70-130
Ethylene glycol	58.0		0.5	50.0	116	70-130

Environmental Protection Agency

Region 6 Laboratory

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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2C0702 **Sample Type: Liquid**

Matrix Spike (B2C0702-MS1)

Source: 1203005-02 Prepared: 3/9/2012 Analyzed: 3/9/2012

7.5ml starting vol not 10 ml

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Propylene glycol	46.3		0.5	50.0		92.6	70-130
Ethylene glycol	46.8		0.5 2.0	50.0	0.07	93.4	70-130

Matrix Spike Dup (B2C0702-MSD1)

Source: 1203005-02 Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propylene glycol	44.7		0.5	50.0		89.3	70-130	3.63	30
Ethylene glycol	46.5		0.5 2.0	50.0	0.07	92.8	70-130	0.60	30

DRAFT

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2C0702 **Sample Type: Liquid**

Matrix Spike (B2C0702-MS1)

Source: 1203005-02 Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Propylene glycol	55.7		0.5	66.7		83.6	70-130
Ethylene glycol	67.6		0.5	66.7	~~0.07~~ NC	101	70-130

Matrix Spike Dup (B2C0702-MSD1)

Source: 1203005-02 Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propylene glycol	53.7 ~~69.9~~		0.6	66.7		80.6 ~~105~~	70-130	~~22.5~~	30
Ethylene glycol	67.5 ~~87.8~~		0.6	66.7	~~0.07~~ NC	101 ~~132~~ #	70-130	~~26.0~~ 0.08	30

- 1.3 multiplier included
- removed DB

Environmental Protection Agency
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Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2C0702 **Sample Type: Liquid**

Matrix Spike (B2C0702-MS1)

Source: 1203005-02 Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Propylene glycol	55.7		0.5	66.7		83.6	70-130
Ethylene glycol	67.6		0.5	66.7		101	70-130

Matrix Spike Dup (B2C0702-MSD1)

Source: 1203005-02 Prepared: 3/9/2012 Analyzed: 3/9/2012

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Propylene glycol	53.7		0.5	66.7		80.6	70-130	3.61	30
Ethylene glycol	67.5		0.5	66.7		101	70-130	0.08	30

Reported DB

all recoveries acceptable

DRAFT

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10BLK1355.D
Acq On : 9 Mar 2012 10:22 am
Operator : kws
Sample : B2C0702-BLK1 Inst : Betty
Misc : 1x 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

recalc

Quant Time: Mar 28 06:40:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:58 2012
Response via : Initial Calibration

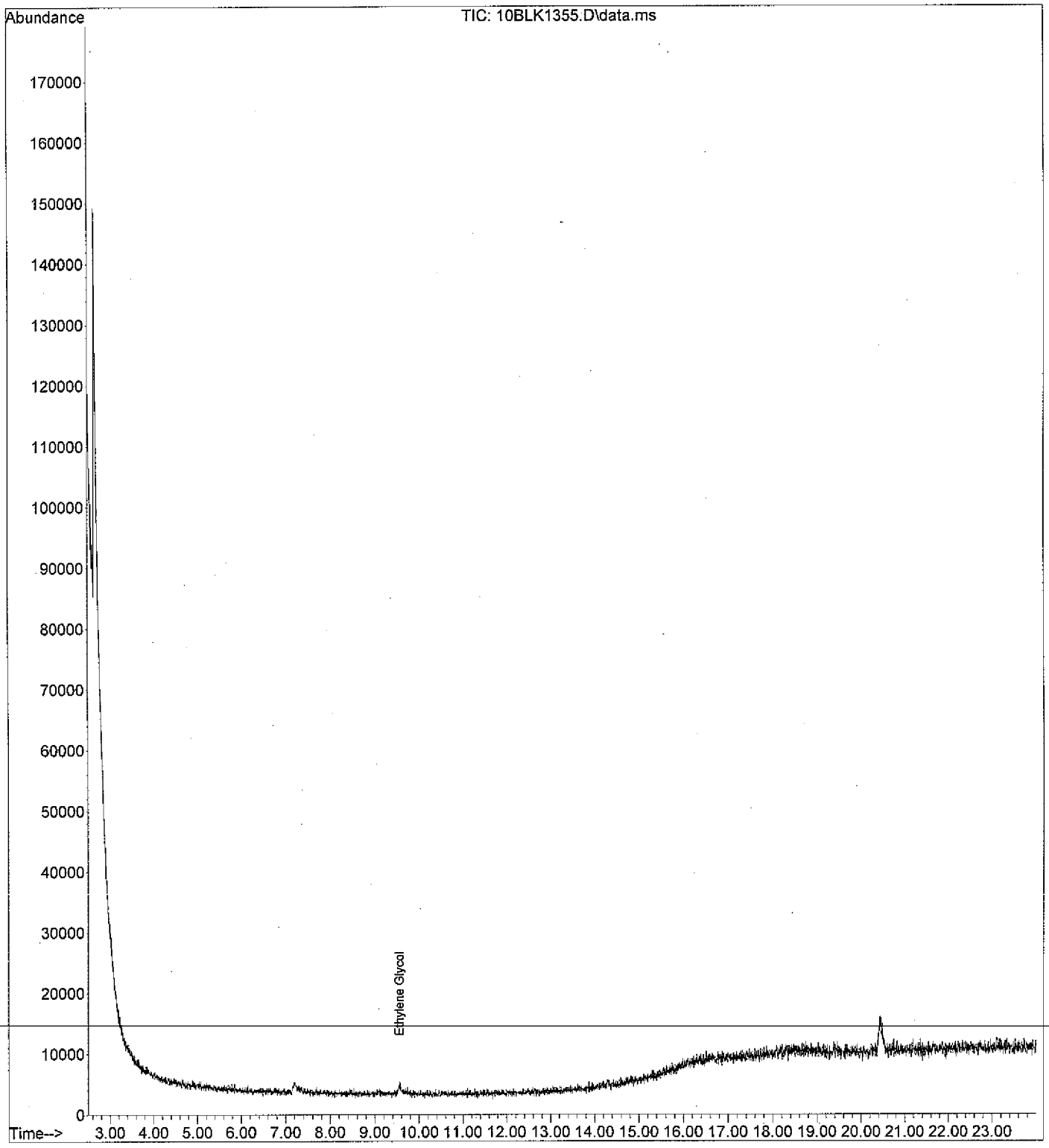
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.057	45	410	N.D.		
2) Ethylene Glycol	9.553	31	1660m	0.33	µg/ml	<RL

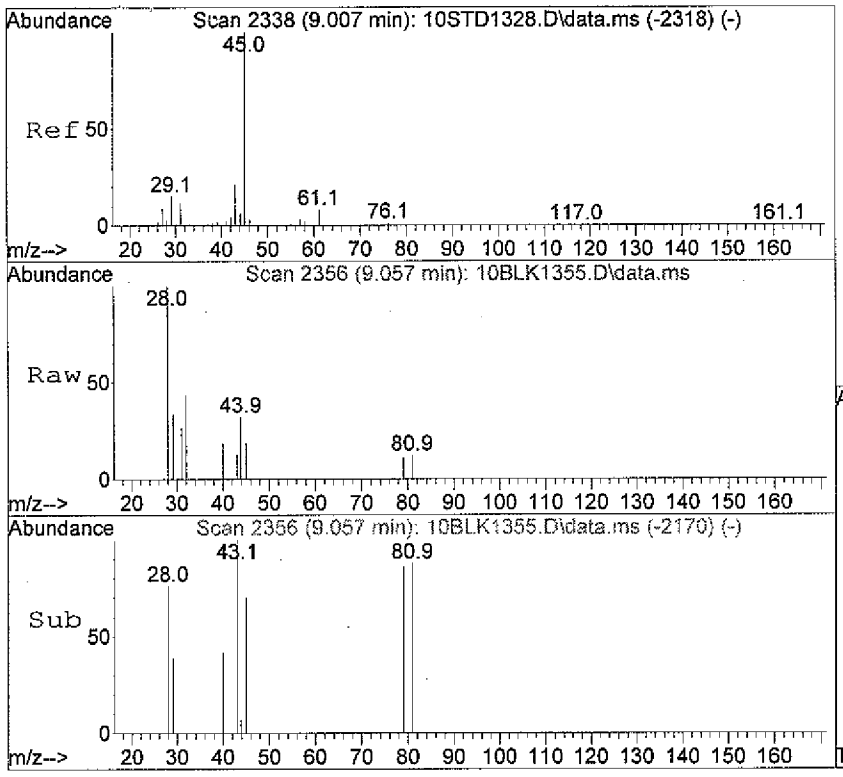
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10BLK1355.D
Acq On : 9 Mar 2012 10:22 am
Operator : kws
Sample : B2C0702-BLK1 Inst : Betty
Misc : 1x 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 06:40:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

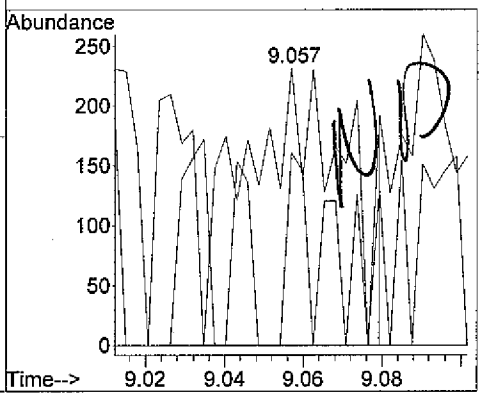


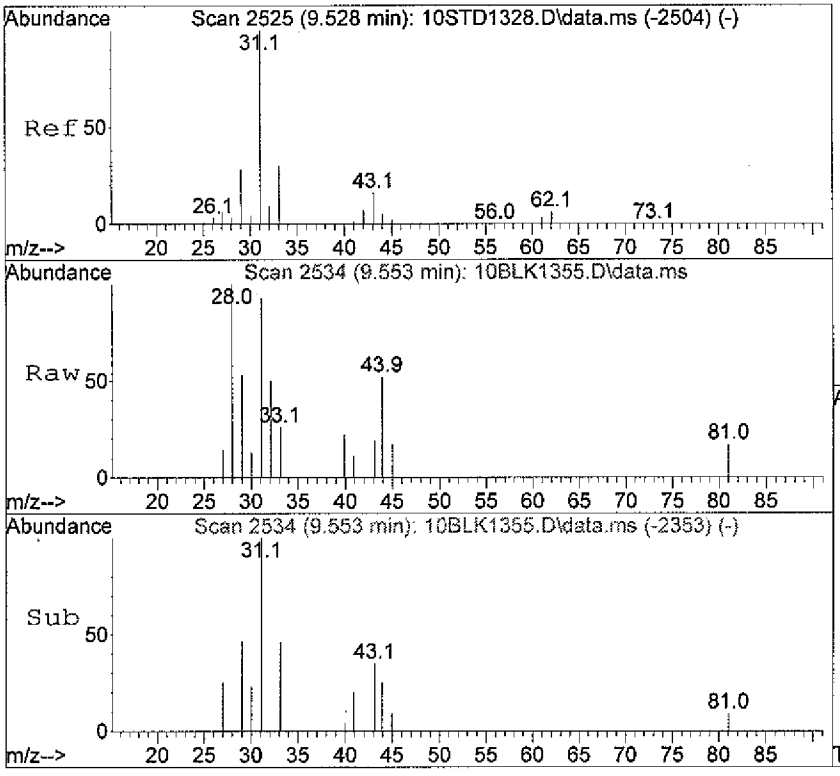


#1
Propylene Glycol
Concen: Below Cal
RT: 9.057 min Scan# 2356
Delta R.T. 0.020 min
Lab File: 10BLK1355.D
Acq: 9 Mar 2012 10:22 am

Tgt Ion: 45 Resp: 419

Ion	Ratio	Lower	Upper
45	100		
43	69.4	14.0	31.2#
61	0.0	0.0	16.6

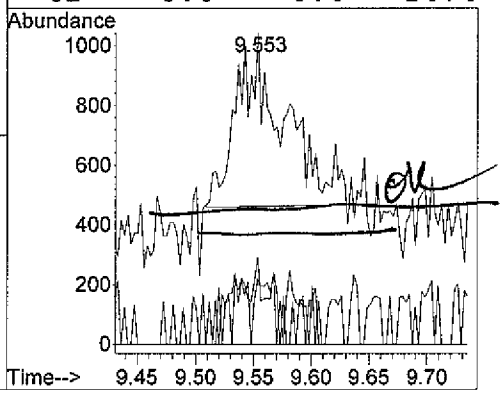




#2
Ethylene Glycol
Concen: 0.33 ug/ml m
RT: 9.553 min Scan# 2534
Delta R.T. 0.006 min
Lab File: 10BLK1355.D
Acq: 9 Mar 2012 10:22 am

Tgt Ion: 31 Resp: 1660

Ion	Ratio	Lower	Upper
31	100		
33	27.8	20.7	38.9
43	20.9	7.8	26.0
62	0.0	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10BLK1377.D
Acq On : 14 Mar 2012 2:39 pm
Operator : kws
Sample : B2C0702-BLK2 Inst : Betty
Misc : 1X 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 06:55:25 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:58 2012
Response via : Initial Calibration

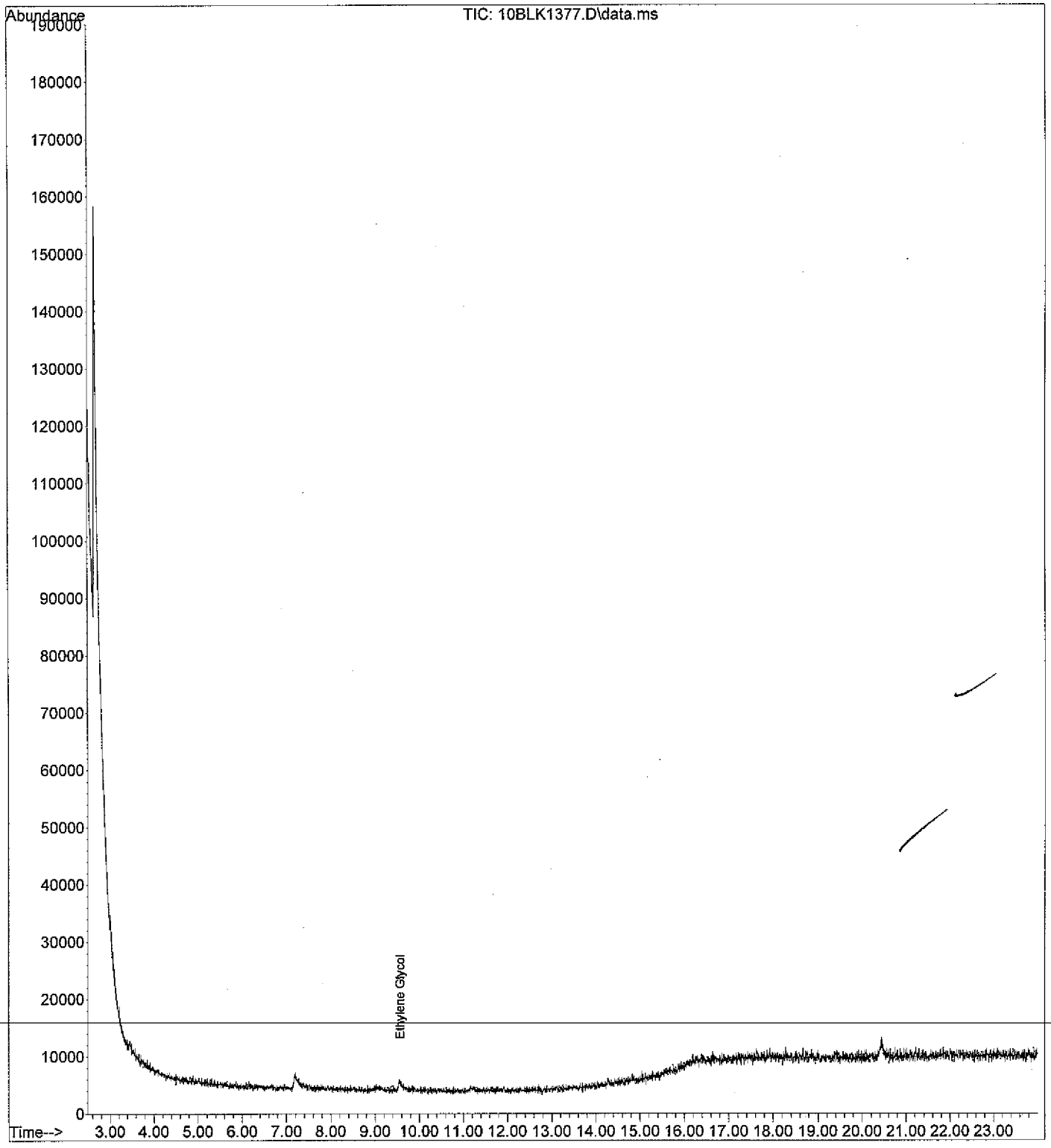
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.040	45	135	N.D.	
2) Ethylene Glycol	9.562	31	233m	0.47 ug/ml	

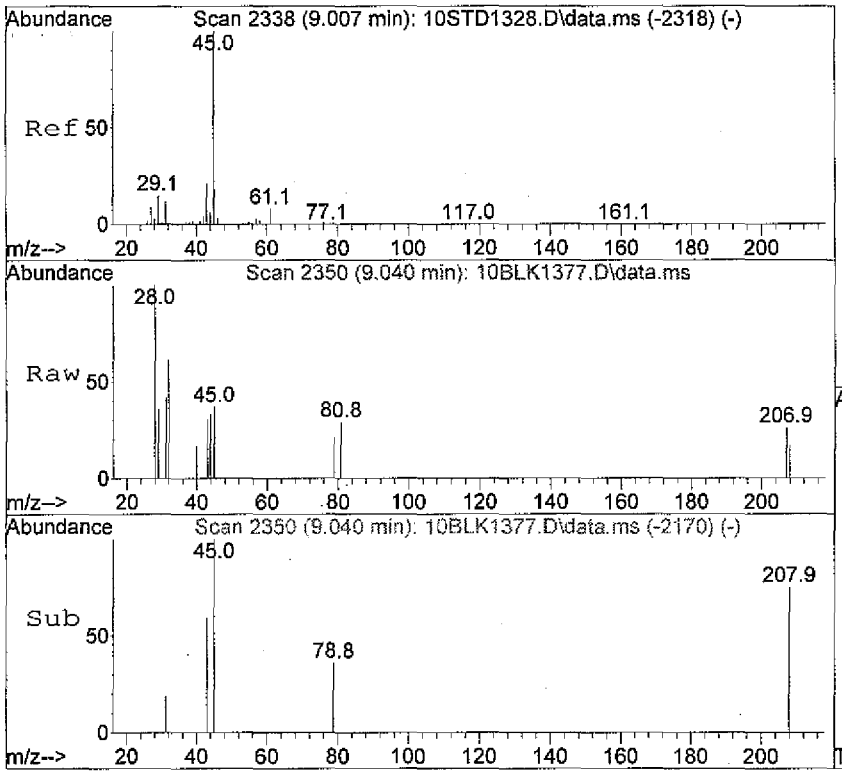
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10BLK1377.D
Acq On : 14 Mar 2012 2:39 pm
Operator : kws
Sample : B2C0702-BLK2 Inst : Betty
Misc : 1X 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 28 06:55:25 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

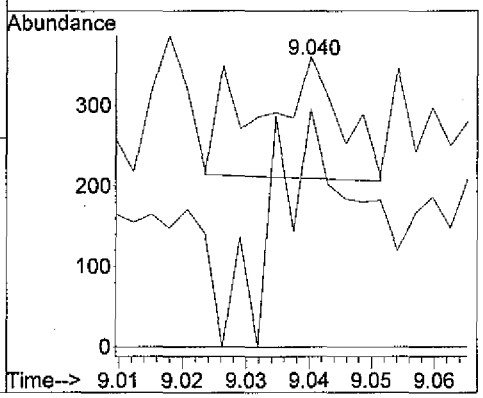


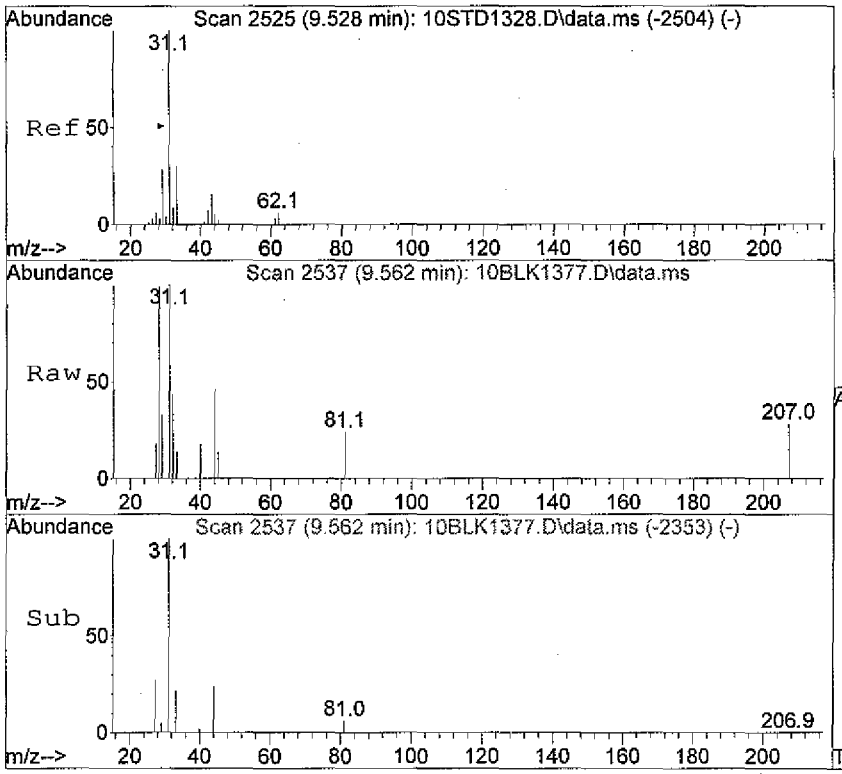


#1
Propylene Glycol
Concen: Below Cal
RT: 9.040 min Scan# 2350
Delta R.T. 0.003 min
Lab File: 10BLK1377.D
Acq: 14 Mar 2012 2:39 pm

Tgt Ion: 45 Resp: 135

Ion	Ratio	Lower	Upper
45	100		
43	81.9	14.0	31.2#
61	0.0	0.0	16.6



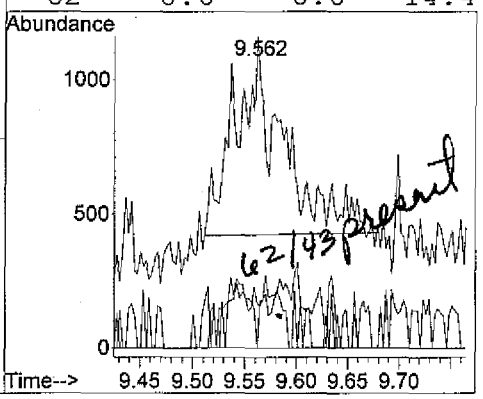


#2
Ethylene Glycol
Concen: 0.47 ug/ml m
RT: 9.562 min Scan# 2537
Delta R.T. 0.014 min
Lab File: 10BLK1377.D
Acq: 14 Mar 2012 2:39 pm

LRC

Tgt Ion: 31 Resp: 2336

Ion	Ratio	Lower	Upper
31	100		
33	14.5	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10LCS1354.D
Acq On : 9 Mar 2012 9:56 am
Operator : kws
Sample : B2C0702-BS1 Inst : Betty
Misc : 1x 1 µL 50 µg/mL Ethylene Glycol std
ALS Vial : 2 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 07:04:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

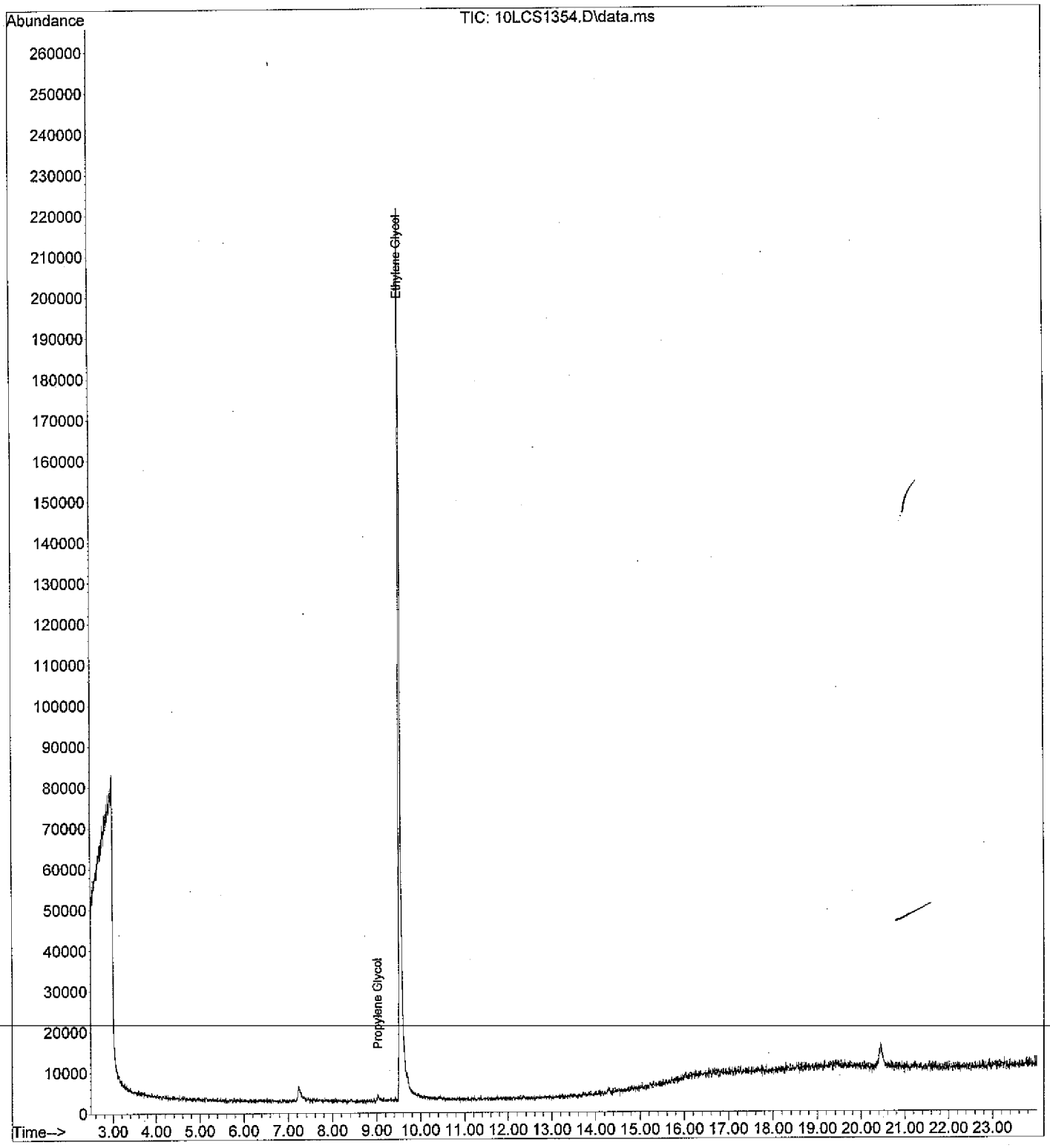
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.026	45	2135	0.20 ug/ml#	67
2) Ethylene Glycol	9.531	31	265768	53.02 ug/ml	99

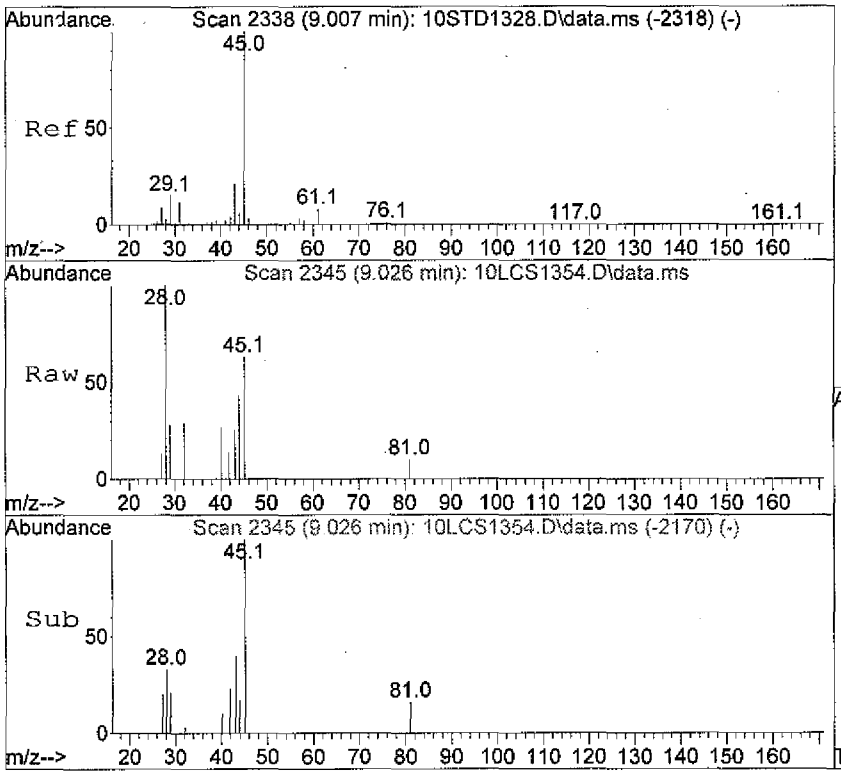
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10LCS1354.D
Acq On : 9 Mar 2012 9:56 am
Operator : kws
Sample : B2C0702-BS1 Inst : Betty
Misc : 1x 1 µL 50 µg/mL Ethylene Glycol std
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 28 07:04:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

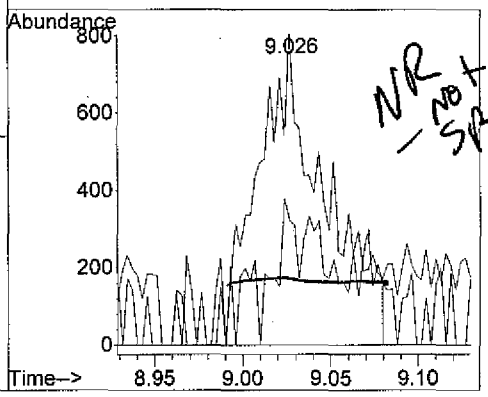




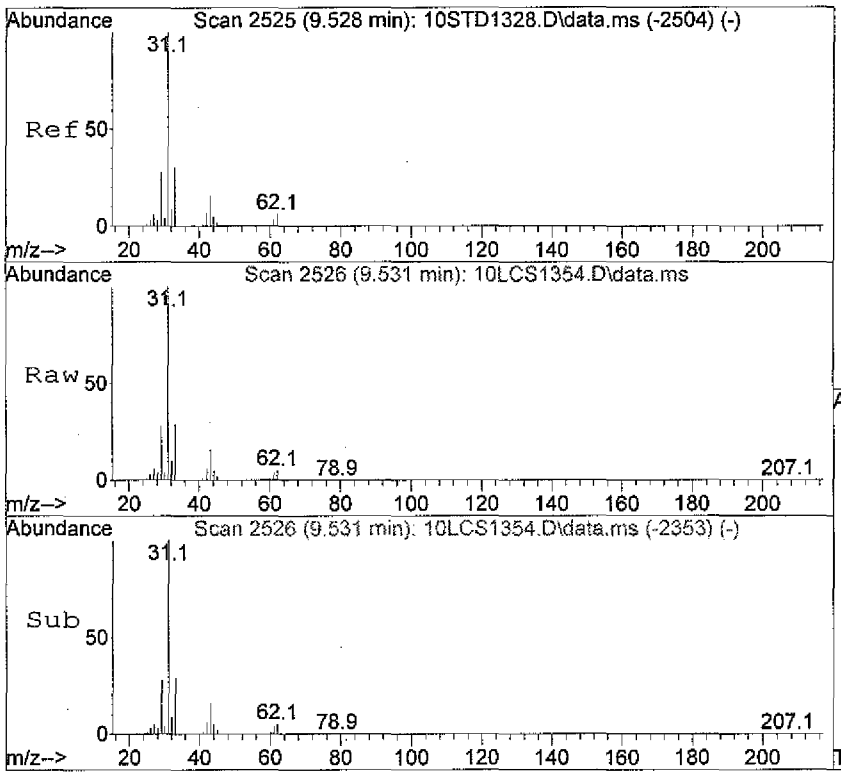
#1
Propylene Glycol
Concen: 0.20 ug/ml
RT: 9.026 min Scan# 2345
Delta R.T. -0.011 min
Lab File: 10LCS1354.D
Acq: 9 Mar 2012 9:56 am

Tgt Ion: 45 Resp: 2135

Ion	Ratio	Lower	Upper
45	100		
43	40.0	14.0	31.2#
61	0.0	0.0	16.6



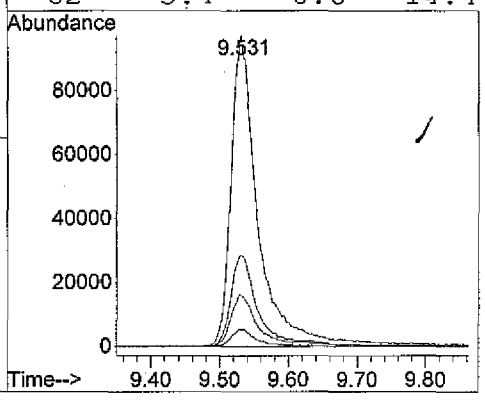
NR not spiked



#2
Ethylene Glycol
Concen: 53.02 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.017 min
Lab File: 10LCS1354.D
Acq: 9 Mar 2012 9:56 am

Tgt Ion: 31 Resp: 265768

Ion	Ratio	Lower	Upper
31	100		
33	29.3	20.7	38.9
43	16.2	7.8	26.0
62	5.4	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10LCS1375.D
Acq On : 14 Mar 2012 1:48 pm
Operator : kws
Sample : B2C0702-BS2 Inst : Betty
Misc : 1x 1µL 50 µg/mL E/P Glycol Std. Recalc
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 06:52:56 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

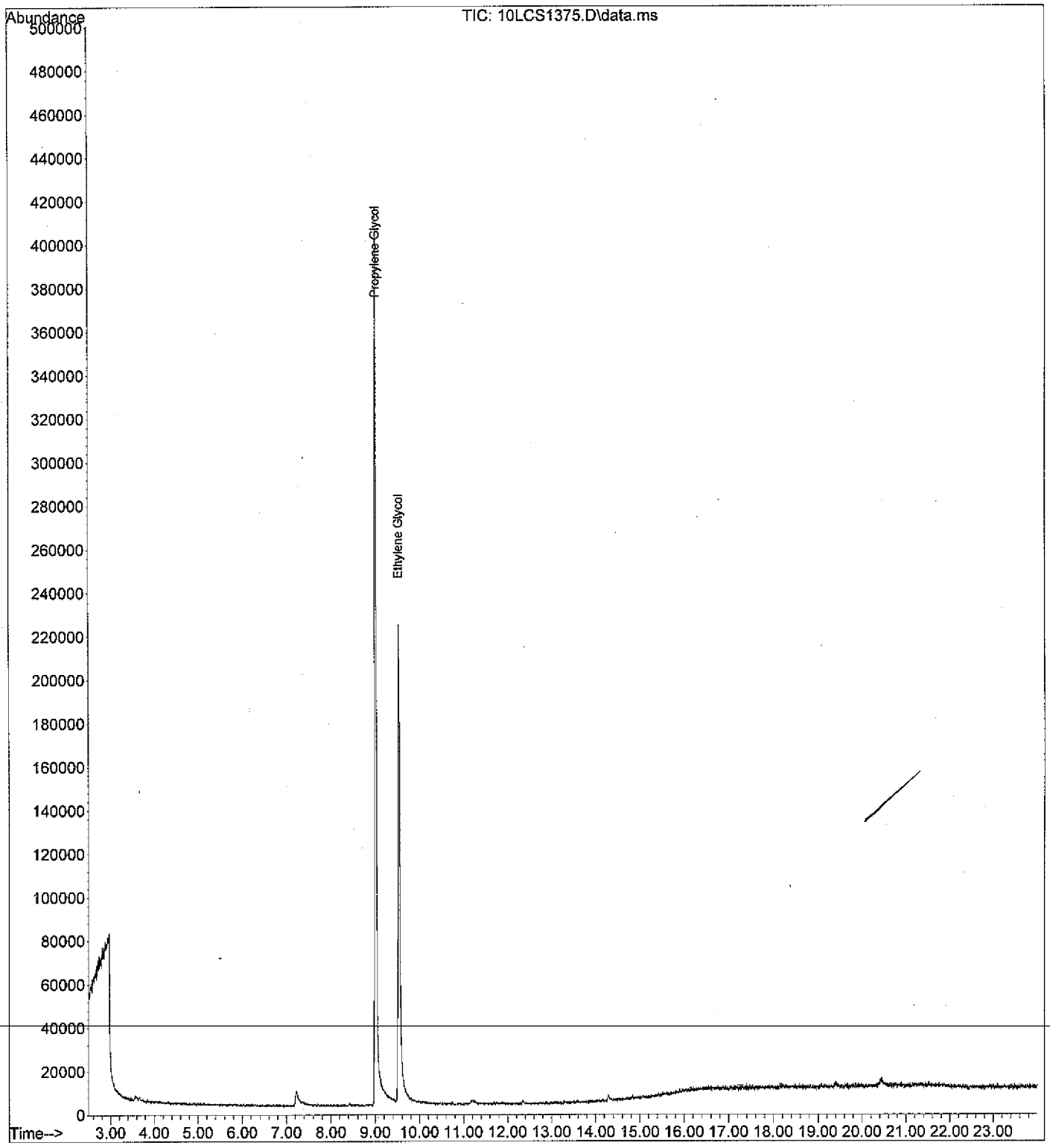
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	542649	50.56 ug/ml	99
2) Ethylene Glycol	9.528	31	290558	57.97 ug/ml	98

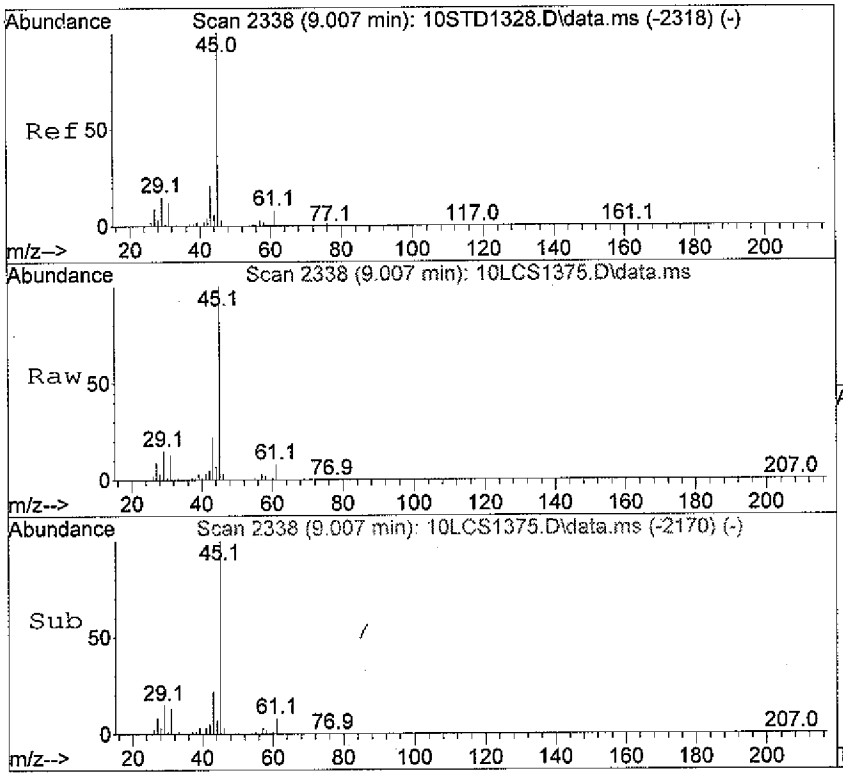
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10LCS1375.D
Acq On : 14 Mar 2012 1:48 pm
Operator : kws
Sample : B2C0702-BS2 Inst : Betty
Misc : 1x 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 06:52:56 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

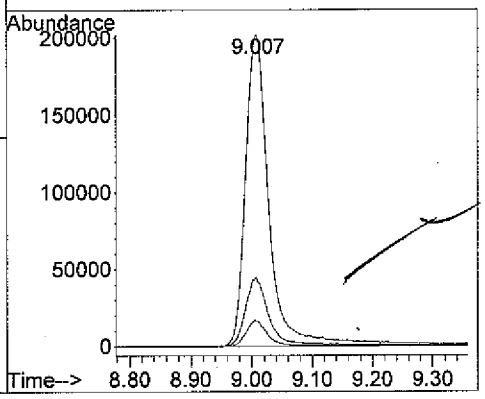


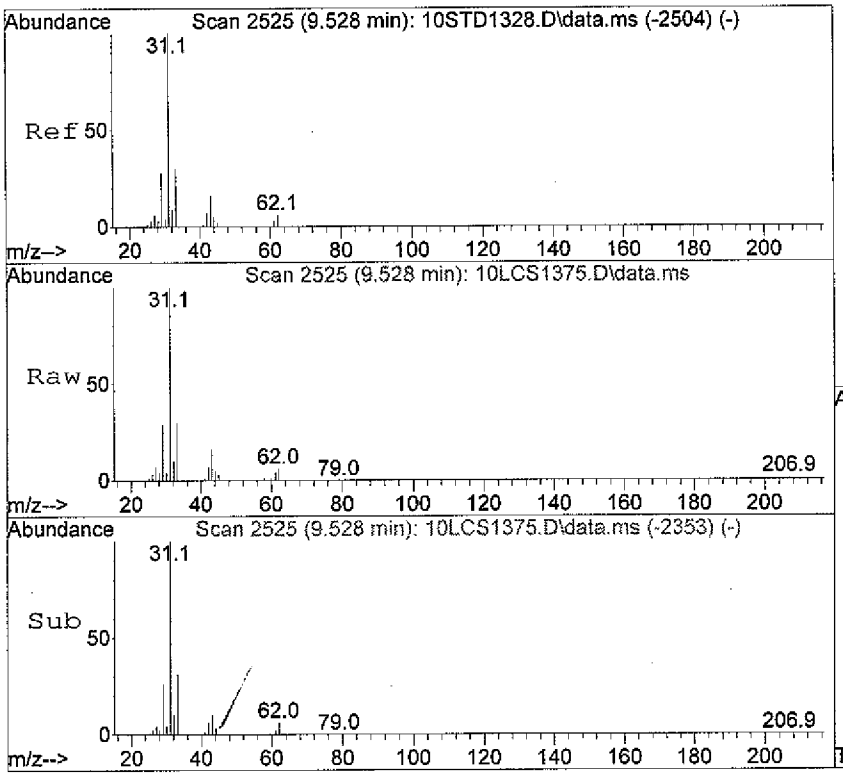


#1
Propylene Glycol
Concen: 50.56 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.030 min
Lab File: 10LCS1375.D
Acq: 14 Mar 2012 1:48 pm

Tgt Ion: 45 Resp: 542649

Ion	Ratio	Lower	Upper
45	100		
43	22.2	14.0	31.2
61	8.1	0.0	16.6

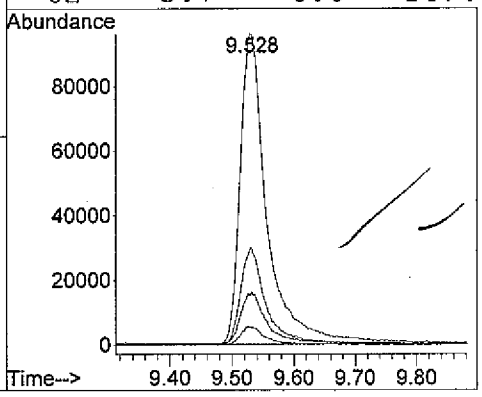




#2
Ethylene Glycol
Concen: 57.97 ug/ml
RT: 9.528 min Scan# 2525
Delta R.T. -0.020 min
Lab File: 10LCS1375.D
Acq: 14 Mar 2012 1:48 pm

Tgt Ion: 31 Resp: 290558

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	15.6	7.8	26.0
62	5.7	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1357.D
Acq On : 9 Mar 2012 11:14 am
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1x 1 µL 1203005-02 B
ALS Vial : 5 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 06:43:32 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.004	45	448407 83%	41.78 ug/ml	55.708 mg/L
2) Ethylene Glycol	9.528	31	254147 101%	50.70 ug/ml	67.608 mg/L

(#) = qualifier out of range (m) = manual integration (+) = signals summed

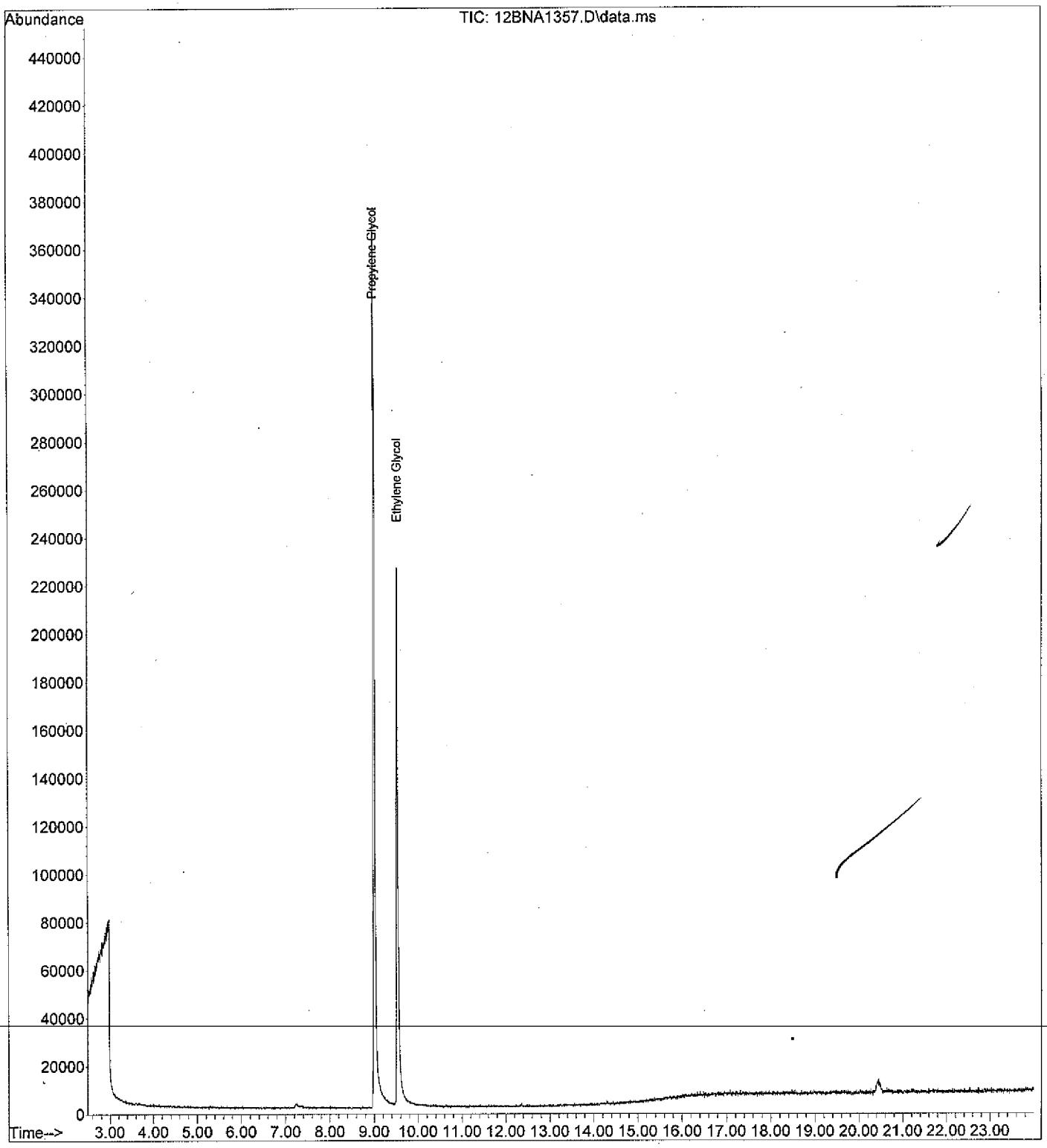
$\frac{10\,ml}{7.5\,ml} = 1.333$

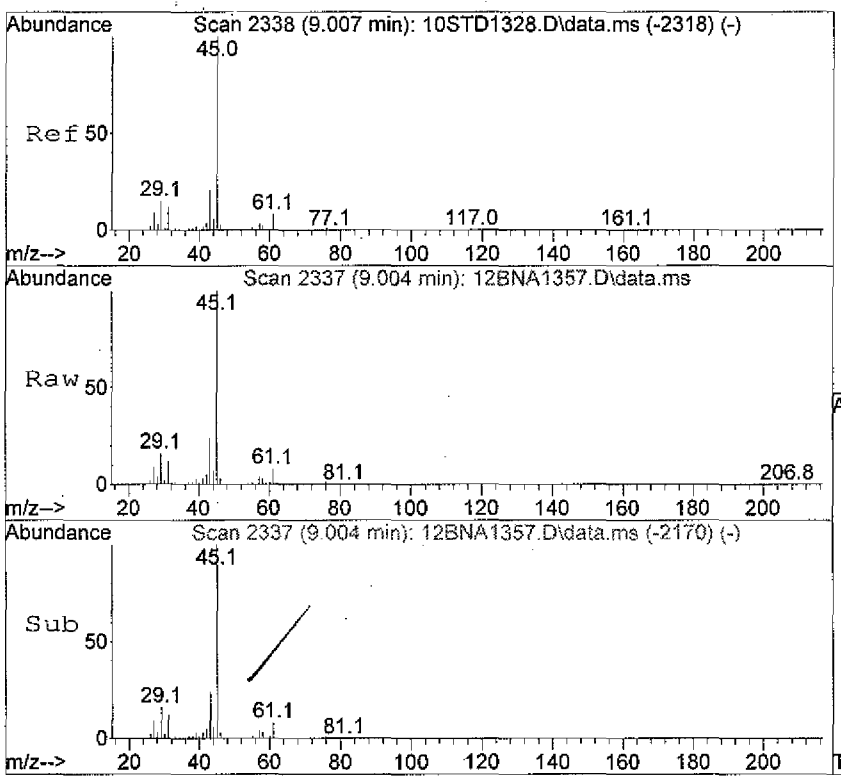
- 2.5ml spike added
- 7.5 starting vol

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1357.D
Acq On : 9 Mar 2012 11:14 am
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1x 1 µL 1203005-02 B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 28 06:43:32 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

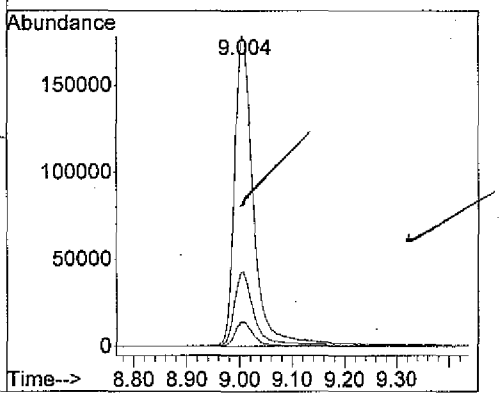


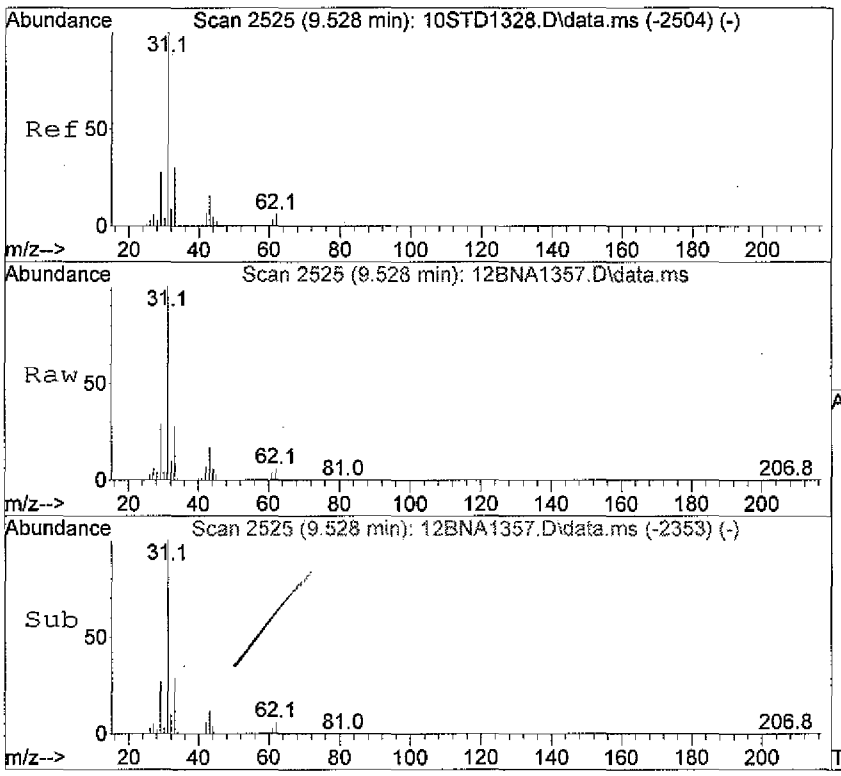


#1
Propylene Glycol
Concen: 41.78 ug/ml
RT: 9.004 min Scan# 2337
Delta R.T. -0.033 min
Lab File: 12BNA1357.D
Acq: 9 Mar 2012 11:14 am

Tgt Ion: 45 Resp: 448407

Ion	Ratio	Lower	Upper
45	100		
43	23.9	14.0	31.2
61	7.7	0.0	16.6

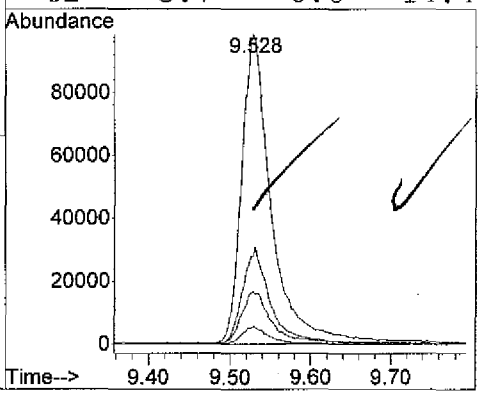




#2
Ethylene Glycol
Concen: 50.70 ug/ml
RT: 9.528 min Scan# 2525
Delta R.T. -0.020 min
Lab File: 12BNA1357.D
Acq: 9 Mar 2012 11:14 am

Tgt Ion: 31 Resp: 254147

Ion	Ratio	Lower	Upper
31	100		
33	28.3	20.7	38.9
43	16.9	7.8	26.0
62	5.7	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1358.D
Acq On : 9 Mar 2012 11:40 am
Operator : kws
Sample : B2C0702-MSD1 Inst : Betty
Misc : 1x 1 µL 1203005-02 C
ALS Vial : 6 Sample Multiplier: 1

Recalc

Quant Time: Mar 28 06:44:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

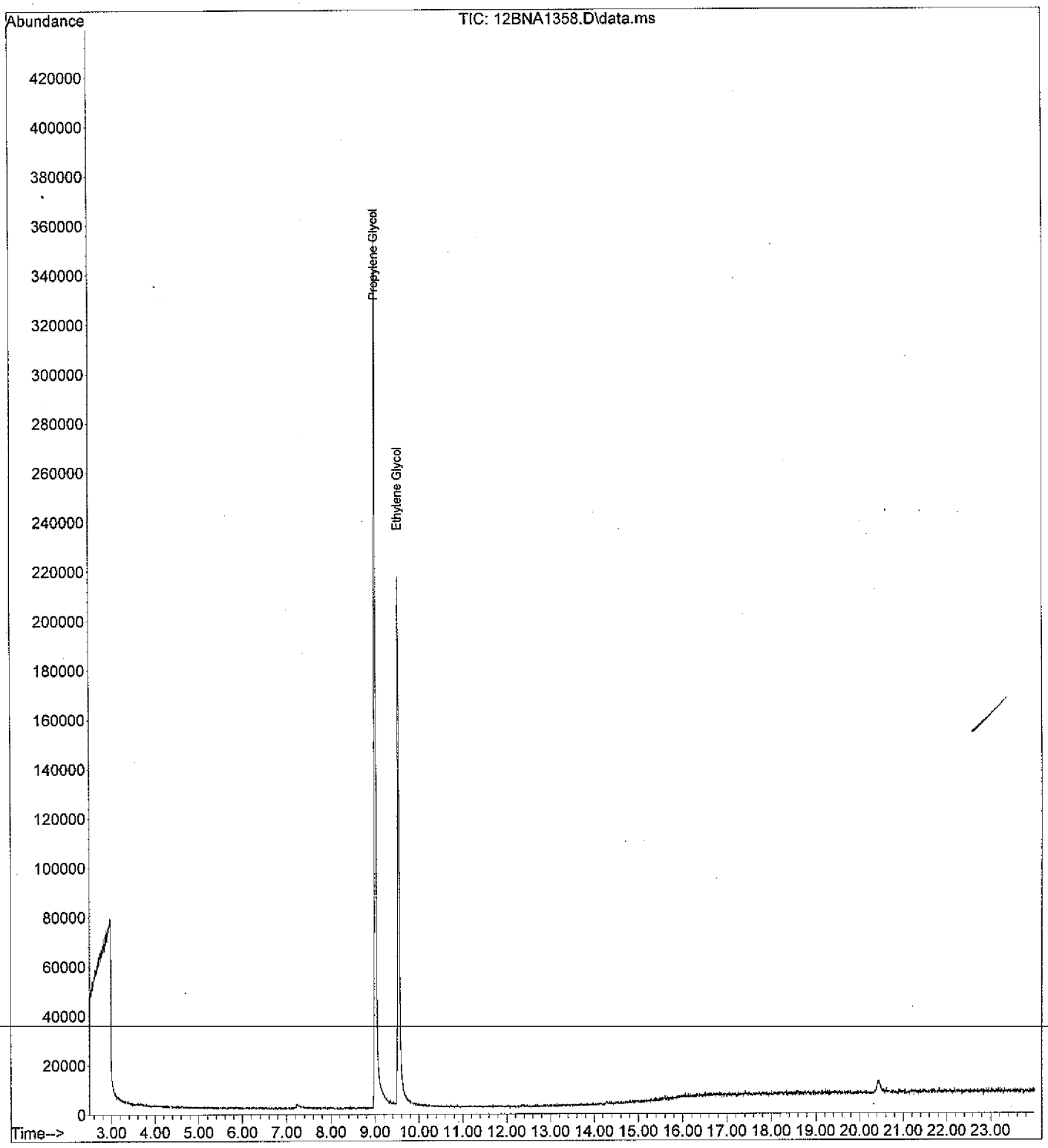
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	Qvalue
Target Compounds						
1) Propylene Glycol	9.007	45	432465 80%	40.30 ug/ml	53.73	98
2) Ethylene Glycol	9.531	31	253930	50.66 ug/ml	67.5	99

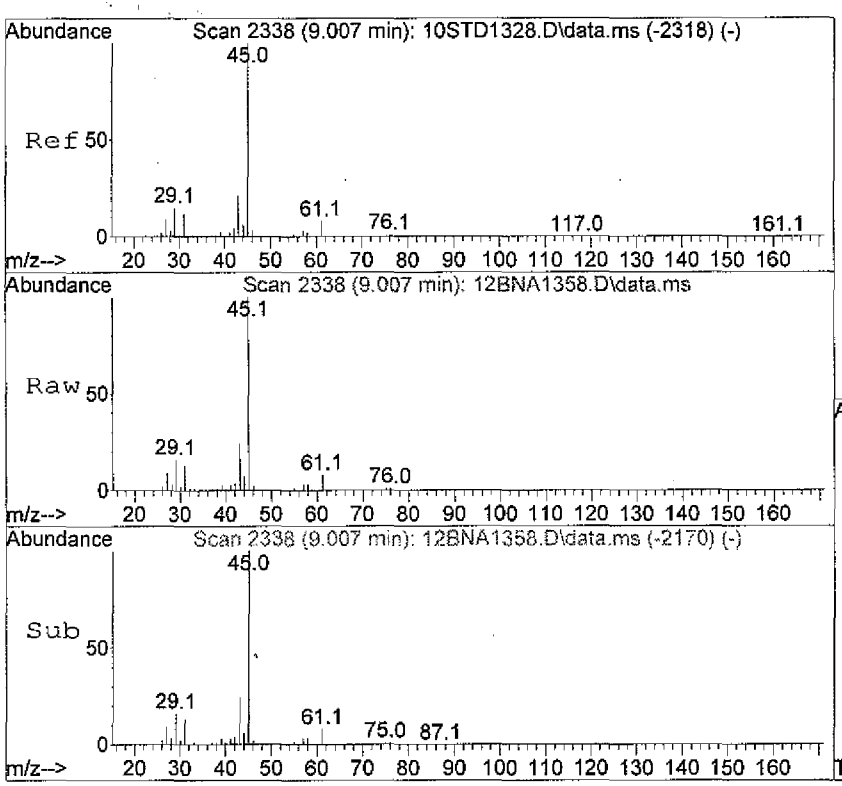
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1358.D
Acq On : 9 Mar 2012 11:40 am
Operator : kws
Sample : B2C0702-MSD1 Inst : Betty
Misc : 1x 1 µL 1203005-02 C
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 06:44:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

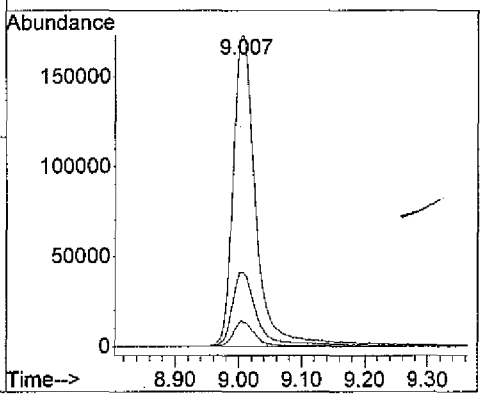


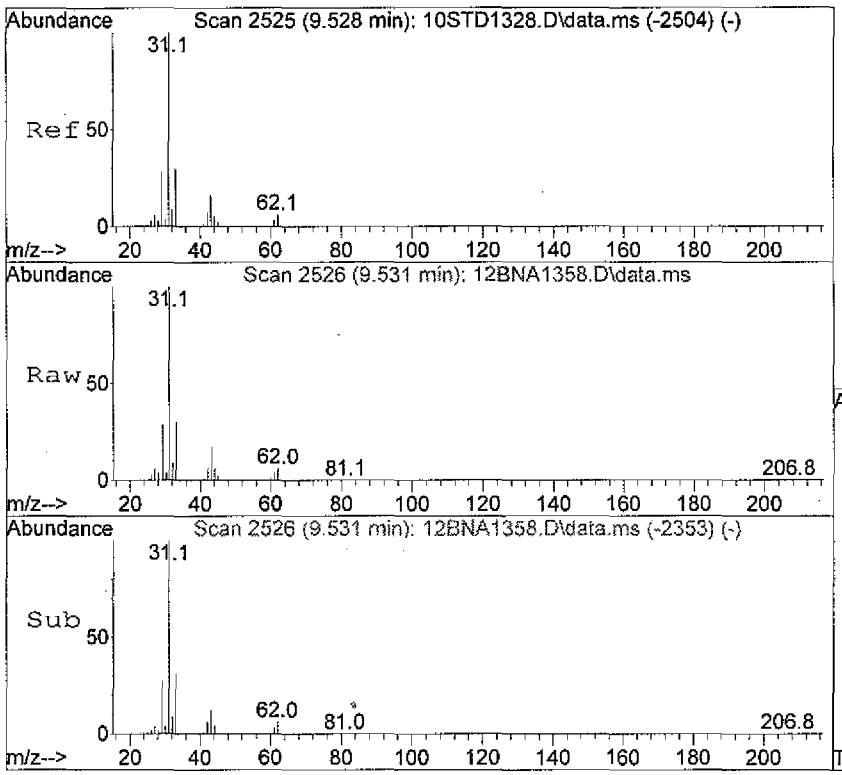


#1
Propylene Glycol
Concen: 40.30 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.030 min
Lab File: 12BNA1358.D
Acq: 9 Mar 2012 11:40 am

Tgt Ion: 45 Resp: 432465

Ion	Ratio	Lower	Upper
45	100		
43	23.9	14.0	31.2
61	7.7	0.0	16.6

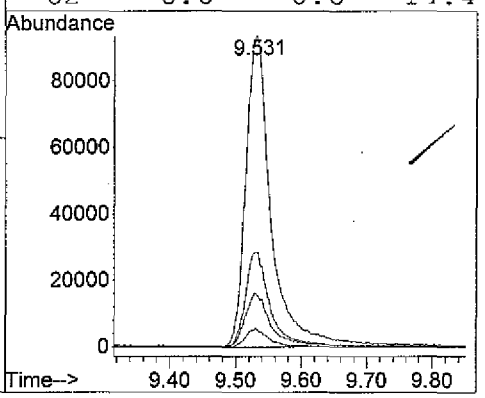




#2
Ethylene Glycol
Concen: 50.66 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.017 min
Lab File: 12BNA1358.D
Acq: 9 Mar 2012 11:40 am

Tgt Ion: 31 Resp: 253930

Ion	Ratio	Lower	Upper
31	100		
33	30.5	20.7	38.9
43	16.9	7.8	26.0
62	6.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10STD1353.D
Acq On : 9 Mar 2012 9:29 am
Operator : kws
Sample : 50 µg/mL E/P Glycol Std.
Misc : 50 UG/ML ETHYLENE GLYCOL
ALS Vial : 1 Sample Multiplier: 1

CC-1

Inst : Betty

Quant Time: Mar 28 06:39:31 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	549188	51.17 ug/ml	100
2) Ethylene Glycol	9.531	31	305506	60.95 ug/ml	99

calc ok

out

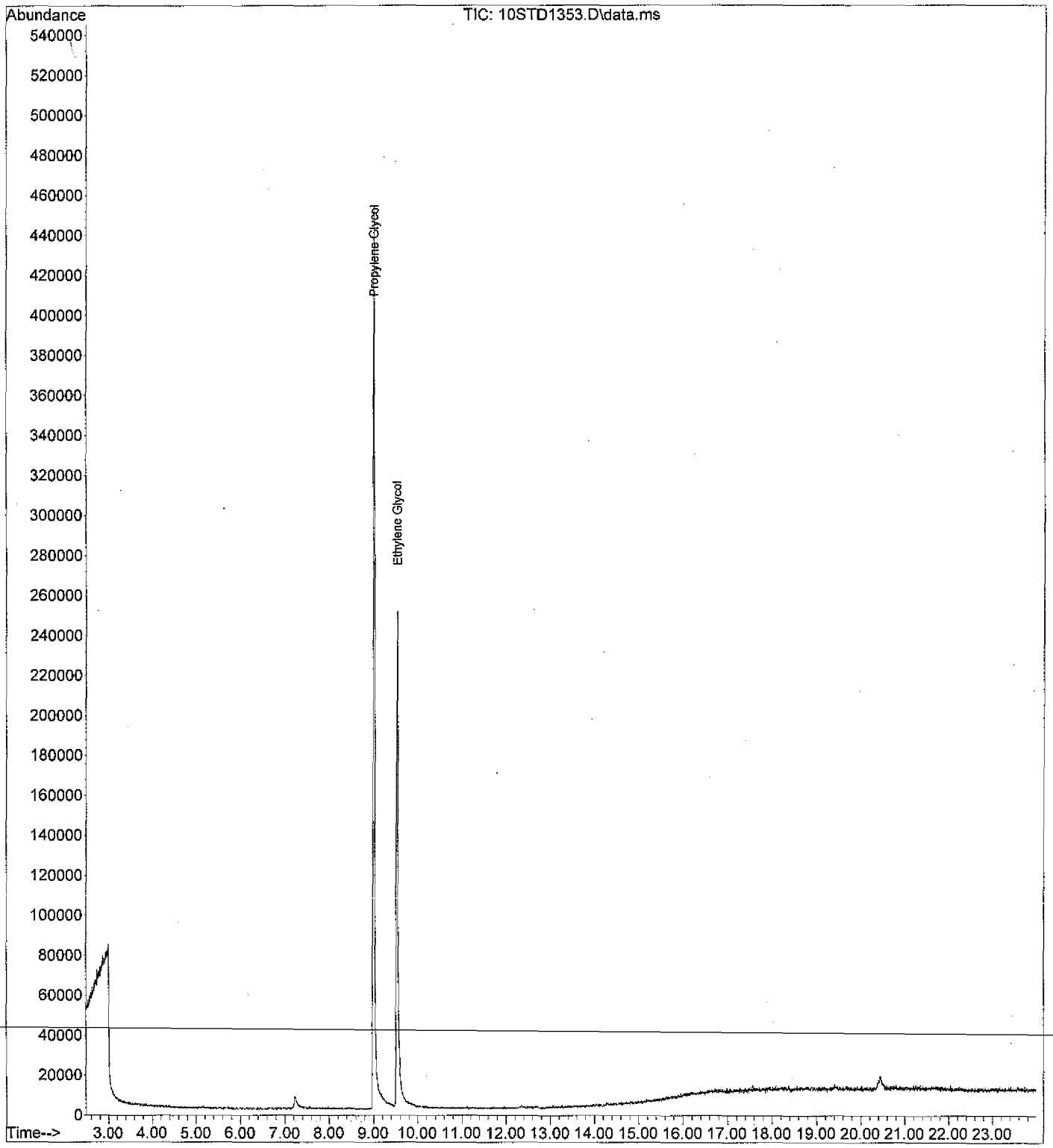
(#) = qualifier out of range (m) = manual integration (+) = signals summed

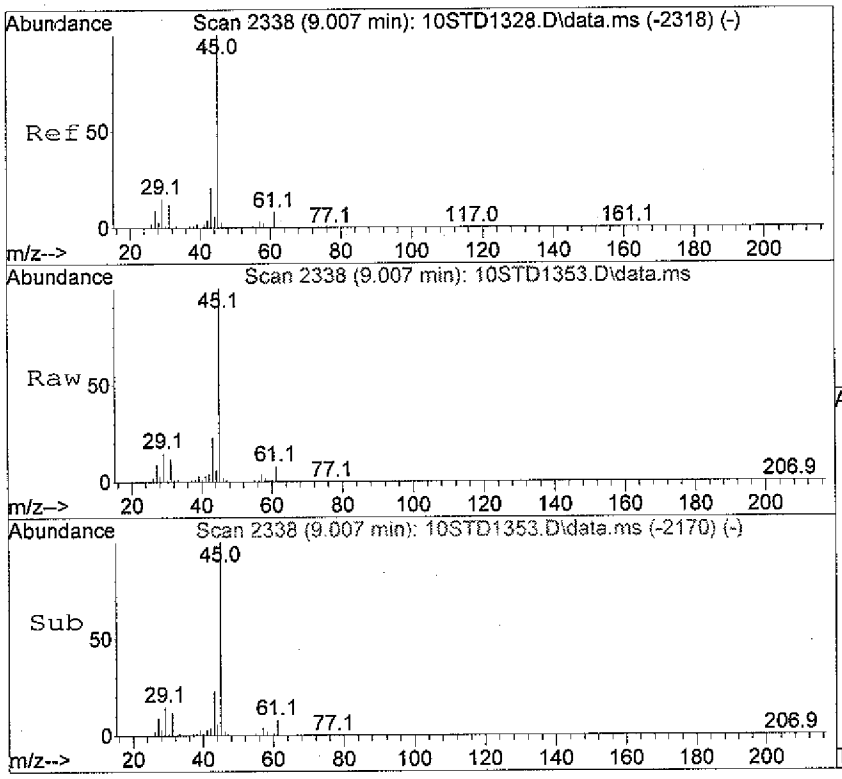
minor failure - samples ND ok

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10STD1353.D
Acq On : 9 Mar 2012 9:29 am
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 50 UG/ML ETHYLENE GLYCOL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 06:39:31 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

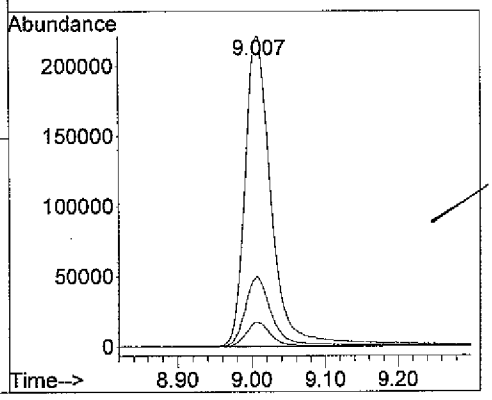


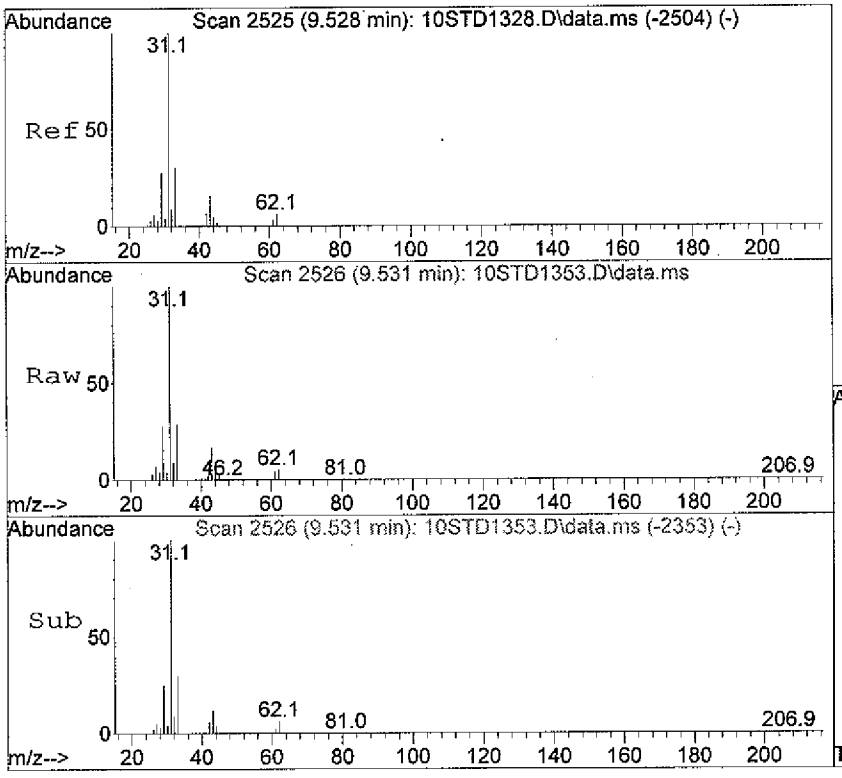


#1
Propylene Glycol
Concen: 51.17 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.030 min
Lab File: 10STD1353.D
Acq: 9 Mar 2012 9:29 am

Tgt Ion: 45 Resp: 549188

Ion	Ratio	Lower	Upper
45	100		
43	22.6	14.0	31.2
61	7.9	0.0	16.6

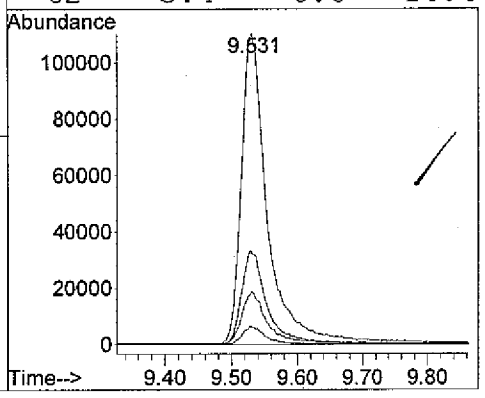




#2
Ethylene Glycol
Concen: 60.95 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.017 min
Lab File: 10STD1353.D
Acq: 9 Mar 2012 9:29 am

Tgt Ion: 31 Resp: 305506

Ion	Ratio	Lower	Upper
31	100		
33	29.2	20.7	38.9
43	17.0	7.8	26.0
62	5.4	0.0	14.4



Evaluate Continuing Calibration Report

Data Path : D:\1\DATA\12_0309\
Data File : 10STD1353.D
Acq On : 9 Mar 2012 9:29 am
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 50 UG/ML ETHYLENE GLYCOL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 06:39:31 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	Propylene Glycol	8.591	10.984	E3	-27.9#	111	-0.03 LR
2	Ethylene Glycol	5.012	6.110	E3	-21.9#	108	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10STD1374.D
Acq On : 14 Mar 2012 1:23 pm
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

CC-2

Quant Time: Mar 28 07:08:24 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.009	45	572629	~~53.36~~	ug/ml	97
2) Ethylene Glycol	9.531	31	300861	60.02	ug/ml	~~99~~ out OK

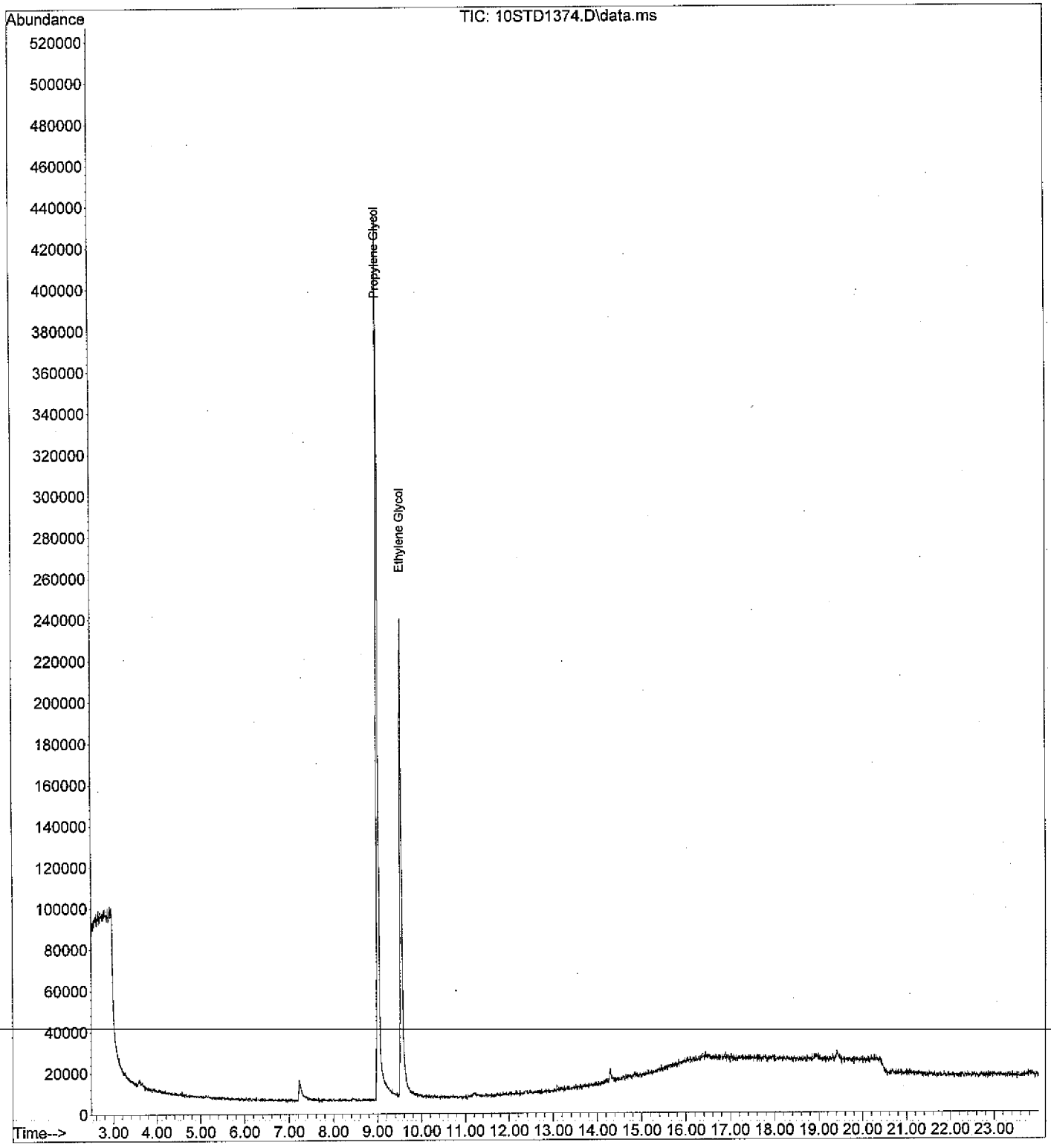
(#) = qualifier out of range (m) = manual integration (+) = signals summed

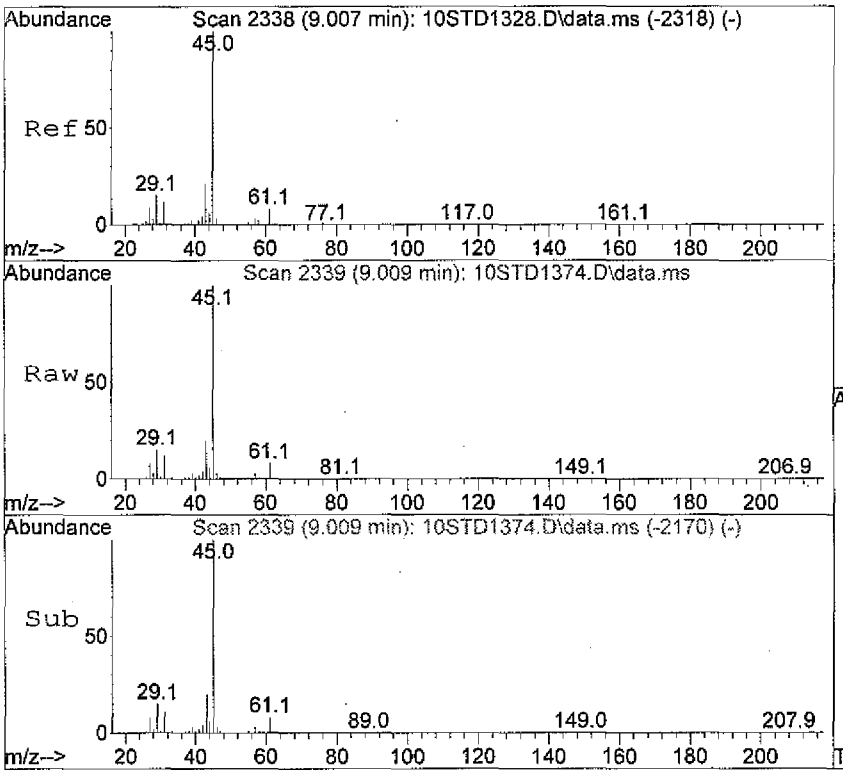
EG fails OK
3 sig fig OK 60.0

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10STD1374.D
Acq On : 14 Mar 2012 1:23 pm
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 07:08:24 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

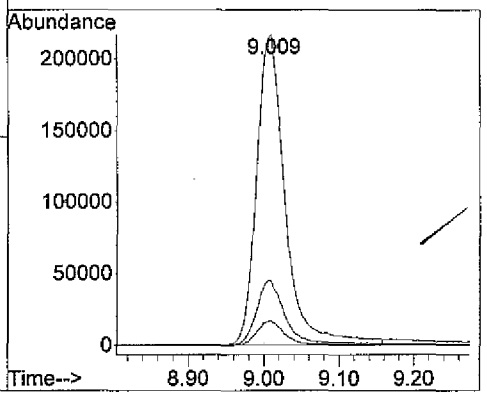


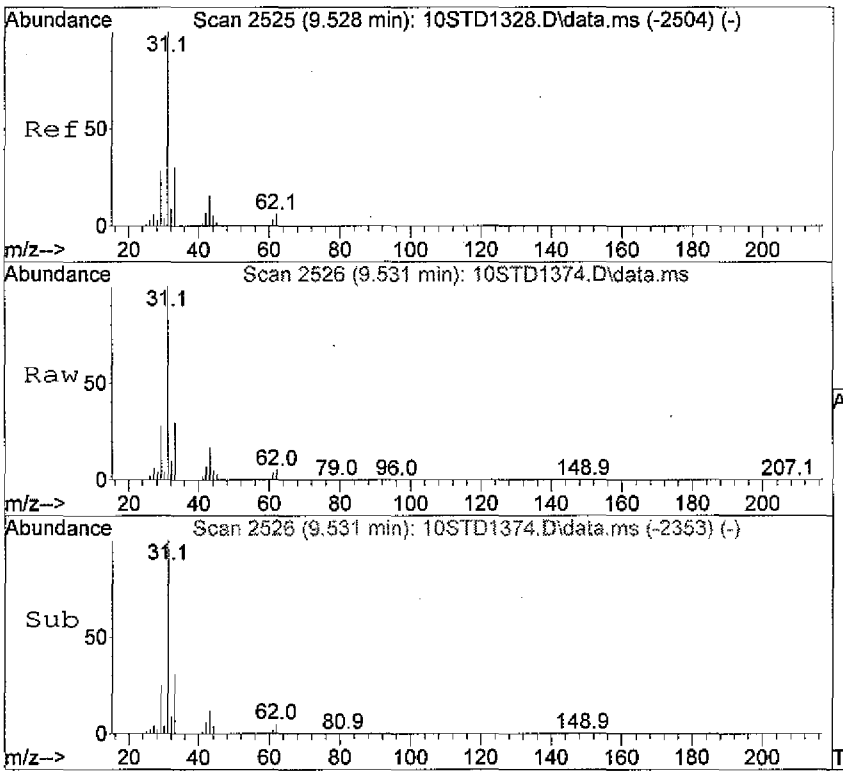


#1
Propylene Glycol
Concen: 53.36 ug/ml
RT: 9.009 min Scan# 2339
Delta R.T. -0.028 min
Lab File: 10STD1374.D
Acq: 14 Mar 2012 1:23 pm

Tgt Ion: 45 Resp: 572629

Ion	Ratio	Lower	Upper
45	100		
43	20.4	14.0	31.2
61	7.8	0.0	16.6

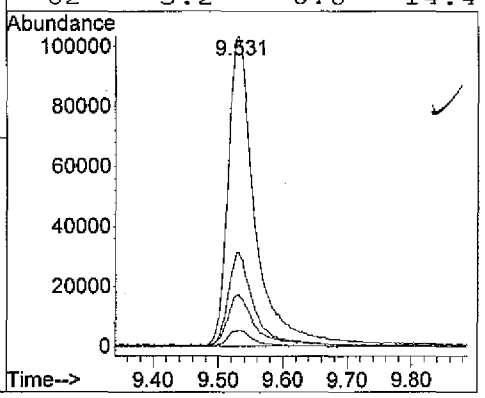




#2
Ethylene Glycol
Concen: 60.02 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.017 min
Lab File: 10STD1374.D
Acq: 14 Mar 2012 1:23 pm

Tgt Ion: 31 Resp: 300861

Ion	Ratio	Lower	Upper
31	100		
33	30.3	20.7	38.9
43	16.7	7.8	26.0
62	5.2	0.0	14.4



Evaluate Continuing Calibration Report

Data Path : D:\1\DATA\12_0314\
Data File : 10STD1374.D
Acq On : 14 Mar 2012 1:23 pm
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 07:08:24 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
QLast Update : Tue Mar 27 16:03:53 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	Propylene Glycol	8.591	11.453	E3	-33.3#	116	-0.03
2	Ethylene Glycol	5.012	6.017	E3	-20.1#	107	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

$\boxed{50{,}000\ \mu g/mL\ -\ \text{STOCK IN } H_2O}$

$50{,}000\ \mu g/mL \rightarrow 200\ \mu g/mL$

$200\ \mu g/mL\ (1\ mL) = X_{mL} \cdot 50{,}000\ \mu g/mL$

$.004\ mL = X_{mL}$

OR

$4\ \mu L$

10 mL VOLUMETRIC FLASK

$50{,}000\ \mu g/mL (X_{mL}) = 200\ \mu g/mL (10\ mL)$

$X_{mL} = .04\ mL$ OR $40\ \mu L$

CALIBRATION POINTS FROM 200 µg/mL

200 µg/mL

.5	—	200 µg/mL (X_{mL}) = .5 µg/mL × 10 mL	= 25 µL	
1.0	—	200 µg/mL (X_{mL}) = 1.0 µg/mL × 10 mL	— 50 µL	
2.0	—	200 µg/mL (X_{mL}) = 2.0 µg/mL × 10 mL	— 100 µL	
5.0	—	200 µg/mL (X_{mL}) = 5.0 µg/mL × 10 mL	— 250 µL	
10.0	—	200 µg/mL (X_{mL}) = 10 µg/mL × 10 mL	— 500 µL	
25.0	—	50,000 / 200 µg/mL (X_{mL}) = 25 µg/mL × 10 mL	— 1.25 mL (5 µL)	$= \frac{25(10)}{50000}$
50.0	—	50000 / 200 µg/mL (X_{mL}) = 50 µg/mL × 10 mL	— 2.50 mL (10 µL)	$= \frac{50(10)}{50{,}000}$
100.0	—	50,000 / 200 µg/mL (X_{mL}) = 100 µg/mL × 10 mL	— 5.00 mL (20 µL)	$= \frac{100(10)}{50{,}000}$
150.0	—	50,000 / 200 µg/mL (X_{mL}) = 150 µg/mL × 10 mL	— 7.5 mL (30 µL)	$\frac{150(10)}{50{,}000}$
200.0	—	50,000 / 200 µg/mL (X_{mL}) = 200 µg/mL × 10 mL	— 10 mL (40 µL)	$\frac{200(10)}{50{,}000}$

STOCK CONC. 50,000 µg/mL

ALL stds conc. were made IN A 10 mL VOL. FLK.

MS + MSD

SPIKE CALCULATION:

$200\ \mu g/mL (X_{mL}) = 50\ \mu g/mL (10\ mL)$ VOL FLK

$X_{mL} = \frac{50\ \mu g/mL}{200\ \mu g/mL} (10\ mL)$

$X_{mL} = 2.5\ mL$

Response Factor Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305A.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
Last Update : Tue Mar 27 16:03:53 2012
Response Via : Initial Calibration

Corrected curve

Calibration Files
.50 =10STD1317.D 1 =10STD1319.D 2 =10STD1322.D 5 =10STD1323.D 10 =10STD1324.D
25 =10STD1325.D 50 =10STD1326.D 100 =10STD1327.D 150 =10STD1328.D 200 =10STD1329.D

Compound	.50	1	2	5	10	25	50	100	150	200	Avg	%RSD
1) Propylene Glycol	0.632	0.749	0.652	0.690	0.813	0.821	0.989	1.071	1.088	1.075	0.859 E4	21.22 LRF
2) Ethylene Glycol	4.446	3.722	3.908	4.246	4.786	5.250	5.635	5.964	6.108	6.053	5.012 E3	18.19

(#) = Out of Range

DIM0096412
DIM0096205

Response Factor Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305A.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:14:06 2012
Last Update : Tue Mar 27 15:15:09 2012
Response Via : Initial Calibration

Calibration Files
.50 =10STD1317.D 1 =10STD1319.D 2 =10STD1322.D 5 =10STD1323.D 10 =10STD1324.D
25 =10STD1325.D 50 =10STD1326.D 100 =10STD1327.D 150 =10STD1328.D 200 =10STD1329.D

Compound	.50	1	2	5	10	25	50	100	150	200	Avg	%RSD
1) Propylene Glycol	0.632	0.749	0.652	0.690	0.643	0.831	0.989	1.071	1.088	1.075	0.842 E4	23.11
2) Ethylene Glycol	4.446	3.722	3.908	4.246	4.786	5.256	5.635	5.964	6.108	6.053	5.012 E3	18.19

UR-F

(#) = Out of Range

DIM0096413
DIM0096205

Calibration Status Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305A.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
Last Update : Tue Mar 27 16:03:53 2012
Response Via : Initial Calibration

chose curve fit

#	ID	Conc	ISTD Conc	Path\File
1	.50	1	0	D:\1\DATA\12_0303\10STD1317.D
2	1	1	0	D:\1\DATA\12_0303\10STD1319.D
3	2	2	0	D:\1\DATA\12_0303\10STD1322.D
4	5	5	0	D:\1\DATA\12_0303\10STD1323.D
5	10	10	0	D:\1\DATA\12_0303\10STD1324.D
6	25	25	0	D:\1\DATA\12_0303\10STD1325.D
7	50	50	0	D:\1\DATA\12_0303\10STD1326.D
8	100	100	0	D:\1\DATA\12_0303\10STD1327.D
9	150	150	0	D:\1\DATA\12_0303\10STD1328.D
10	200	200	0	D:\1\DATA\12_0303\10STD1329.D
11	CC	50	0	D:\1\DATA\12_0303\10STD1326.D

#	ID	Update Time	Quant Time	Acquisition Time
1	.50	Mar 27 14:55 2012	Mar 27 14:54 2012	
2	1	Mar 27 14:57 2012	Mar 27 14:57 2012	
3	2	Mar 27 15:00 2012	Mar 27 14:59 2012	
4	5	Mar 27 15:02 2012	Mar 27 15:01 2012	
5	10	Mar 27 16:02 2012	Mar 27 16:01 2012	
6	25	Mar 27 15:11 2012	Mar 27 15:05 2012	
7	50	Mar 27 14:52 2012	Mar 27 14:51 2012	
8	100	Mar 27 15:12 2012	Mar 27 15:07 2012	
9	150	Mar 27 15:12 2012	Mar 27 15:09 2012	
10	200	Mar 27 15:13 2012	Mar 27 15:09 2012	
11	CC	Mar 27 15:14 2012	Mar 27 15:05 2012	

GLYCOL120305A.M Fri Apr 27 10:45:23 2012

Calibration Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305A.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:14:06 2012
Last Update : Tue Mar 27 15:15:09 2012
Response Via : Initial Calibration

Calibration Files
.50 =10STD1317 1 =10STD1319 2 =10STD1322 5 =10STD1323 10 =10STD1324
25 =10STD1325 50 =10STD1326 100 =10STD1327 150 =10STD1328 200 =10STD1329

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	Propylene Glycol	Lin	-----	1.0730 e4	-----	0.9992
2)	Ethylene Glycol	Avg	-----	5.0124 e3	-----	0.1819

GLYCOL120305A.M Tue Mar 27 15:17:13 2012

Calibration Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305A.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 16:02:56 2012
Last Update : Tue Mar 27 16:03:53 2012
Response Via : Initial Calibration

Calibration Files
.50 =10STD1317 1 =10STD1319 2 =10STD1322 5 =10STD1323 10 =10STD1324
25 =10STD1325 50 =10STD1326 100 =10STD1327 150 =10STD1328 200 =10STD1329

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	Propylene Glycol	LinF	-----	1.0732 e4	-----	0.9993
2)	Ethylene Glycol	Avg	-----	5.0124 e3	-----	0.1819

GLYCOL120305A.M Tue Mar 27 16:05:24 2012

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 14:54:00 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14:51:43 2012
QLast Update : Tue Mar 27 14:52:40 2012
Response via : Initial Calibration

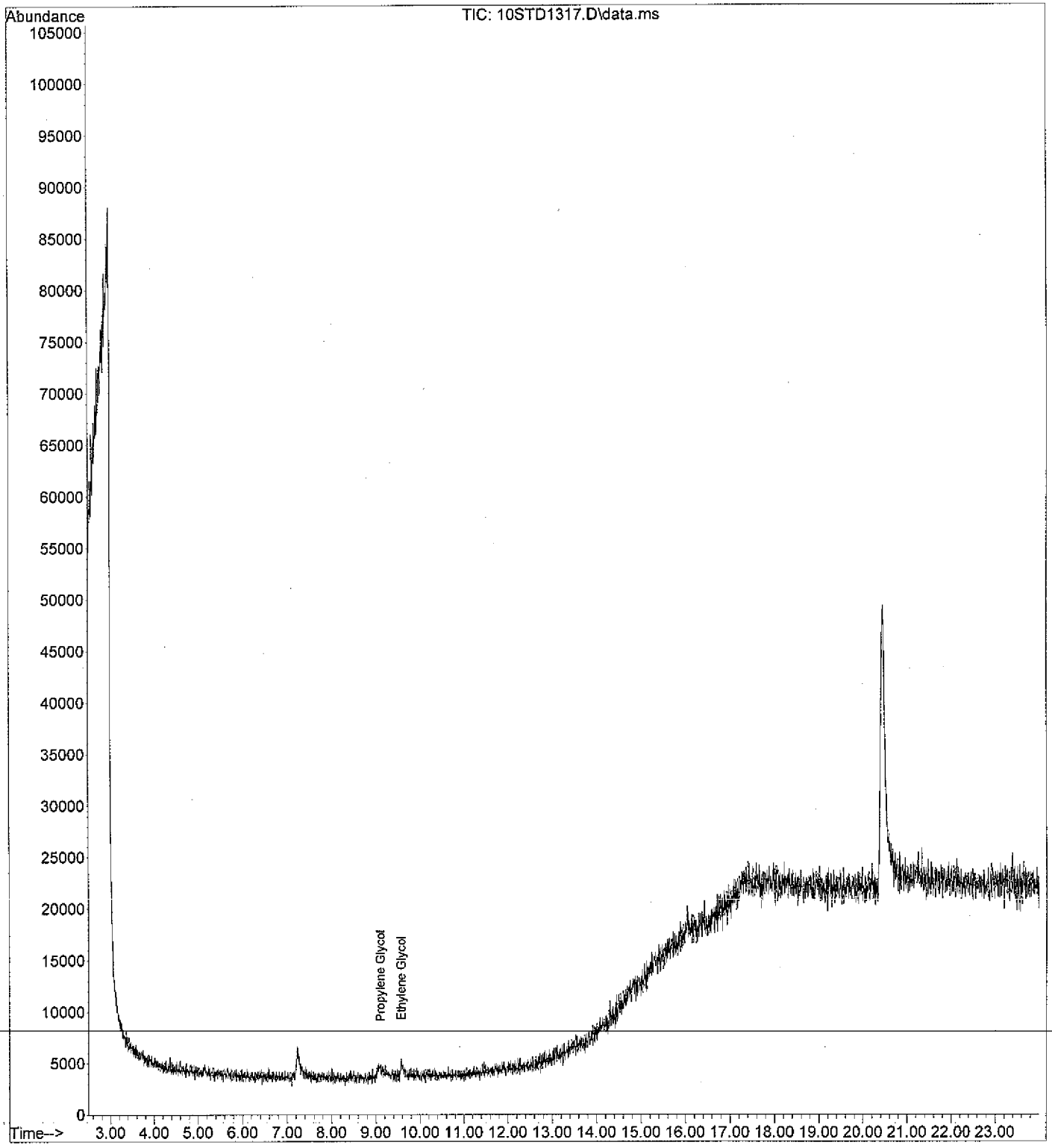
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.099	45	3159m	0.32	ug/ml	
2) Ethylene Glycol	9.573	31	2223m	0.39	ug/ml	

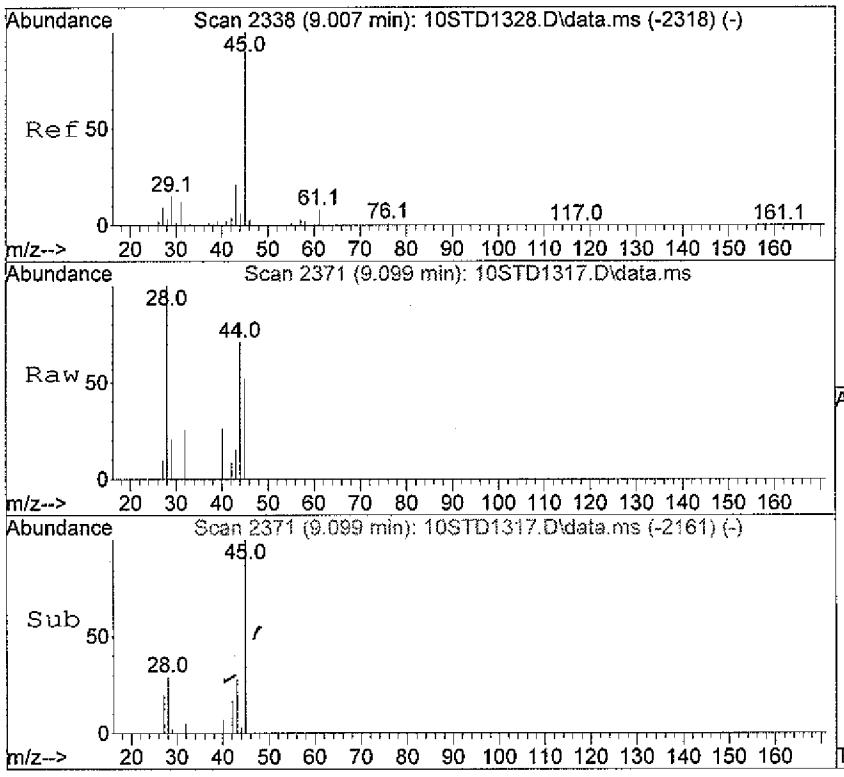
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 14:54:00 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:52:40 2012
Response via : Initial Calibration

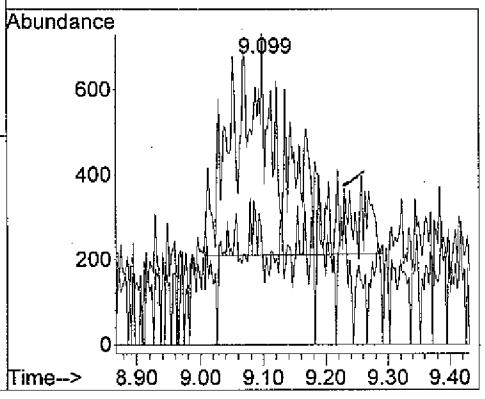


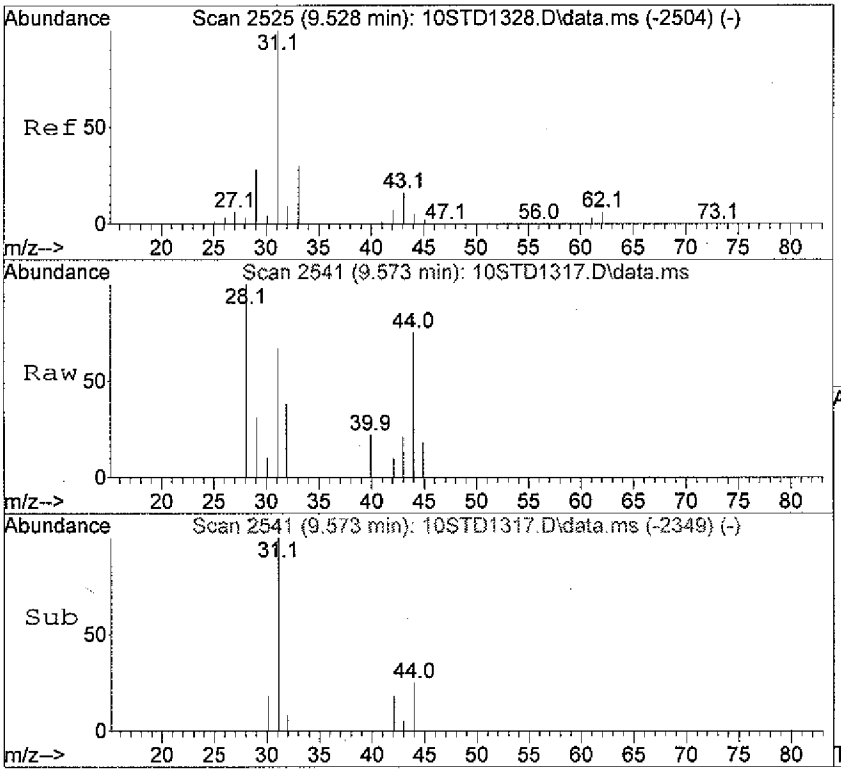


#1
Propylene Glycol
Concen: 0.32 ug/ml m
RT: 9.099 min Scan# 2371
Delta R.T. 0.087 min
Lab File: 10STD1317.D
Acq: 3 Mar 2012 12:36 pm

Tgt Ion: 45 Resp: 3159

Ion	Ratio	Lower	Upper
45	100		
43	28.0	14.0	31.2
61	0.0	0.0	16.6

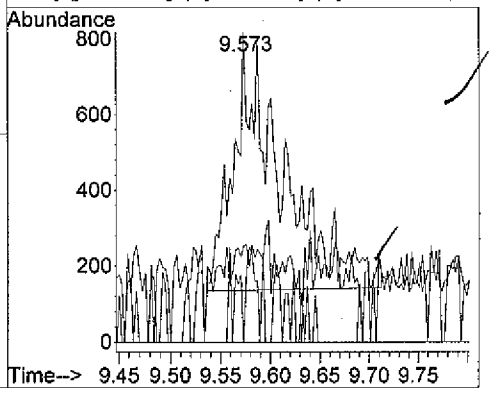




#2
Ethylene Glycol
Concen: 0.39 ug/ml m
RT: 9.573 min Scan# 2541
Delta R.T. 0.036 min
Lab File: 10STD1317.D
Acq: 3 Mar 2012 12:36 pm

Tgt Ion: 31 Resp: 2223

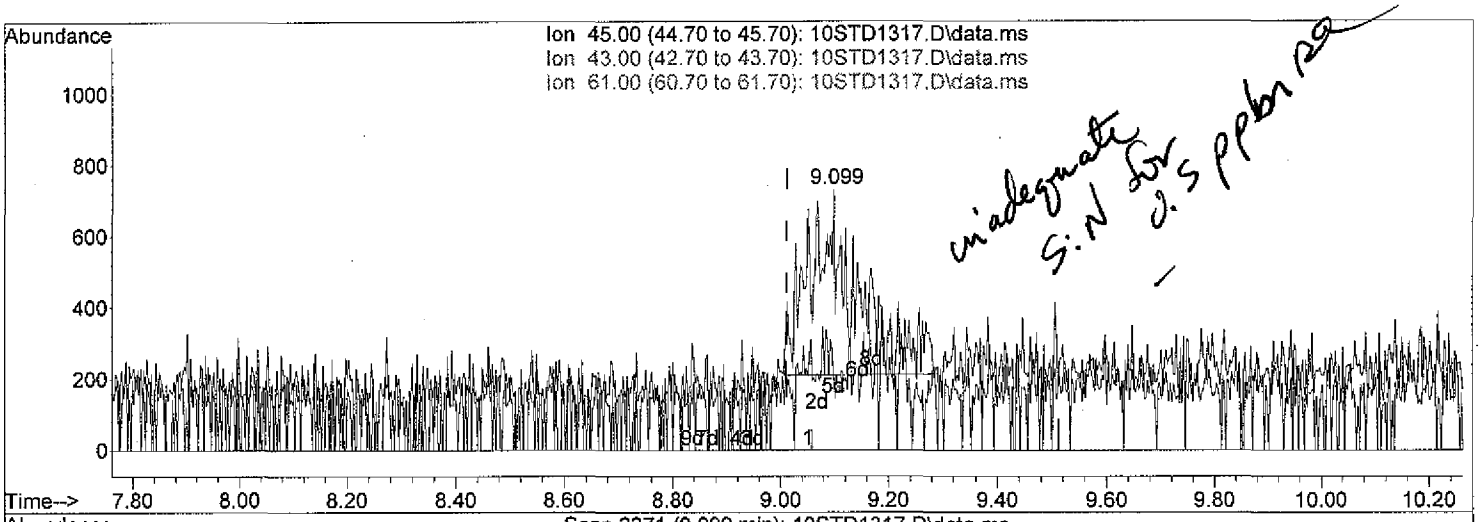
Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	31.1	7.8	26.0#
62	0.0	0.0	14.4

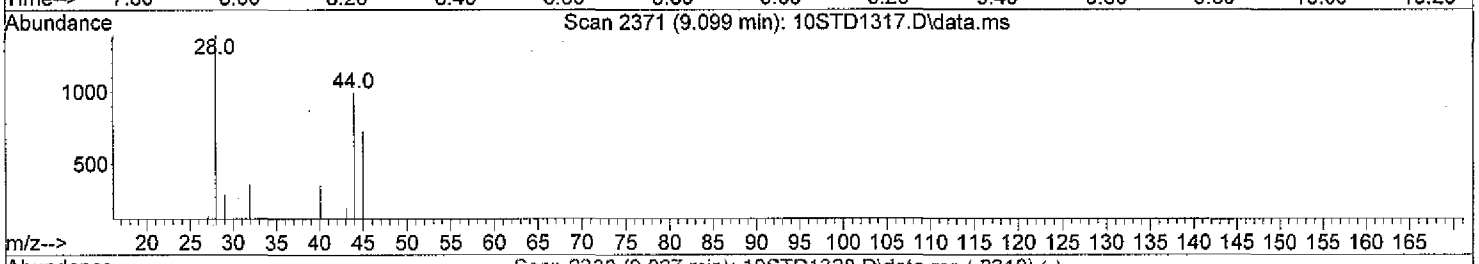


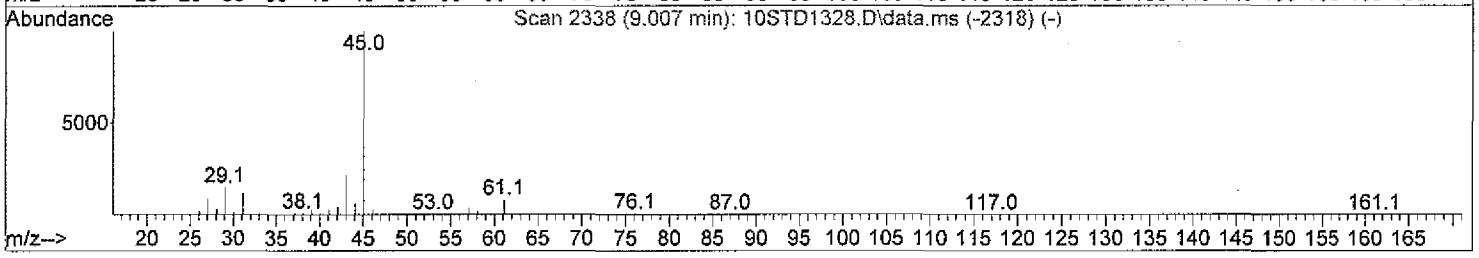
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 14:53:26 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:52:40 2012
Response via : Initial Calibration







TIC: 10STD1317.D\data.ms

(1) Propylene Glycol

9.099min (+0.087) 0.32 ug/ml m

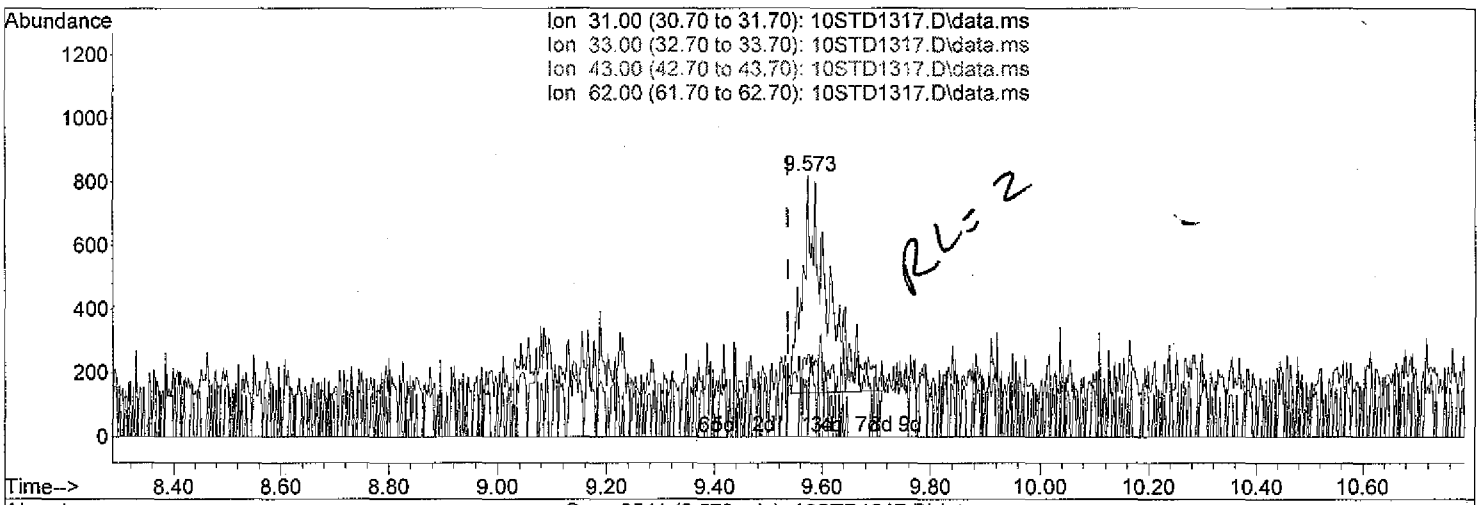
response 3159

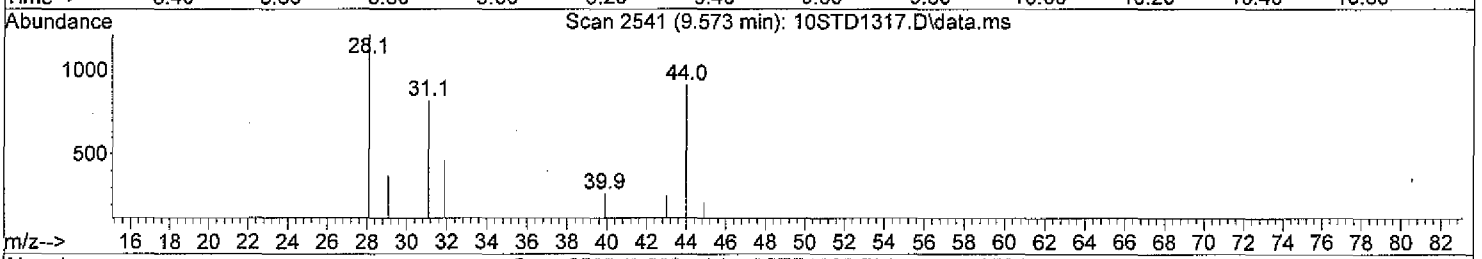
Ion	Exp%	Act%
45.00	100	100
43.00	22.60	28.04
61.00	8.00	0.00
0.00	0.00	0.00

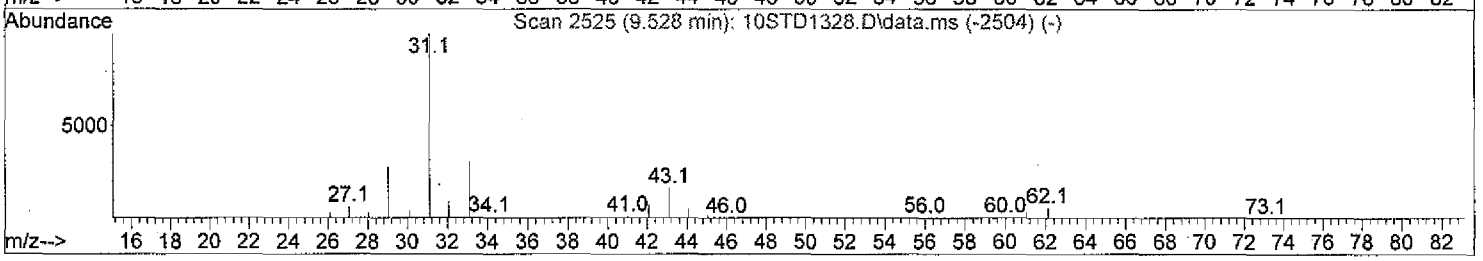
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 27 14:53:26 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:52:40 2012
Response via : Initial Calibration







TIC: 10STD1317.D\data.ms

(2) Ethylene Glycol

9.573min (+0.036) 0.39 ug/ml m

response 2223

Ion	Exp%	Act%
31.00	100	100
33.00	29.80	0.00#
43.00	16.90	31.05#
62.00	5.30	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 14:57:01 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14:52:40 2012
QLast Update : Tue Mar 27 14:55:14 2012
Response via : Initial Calibration

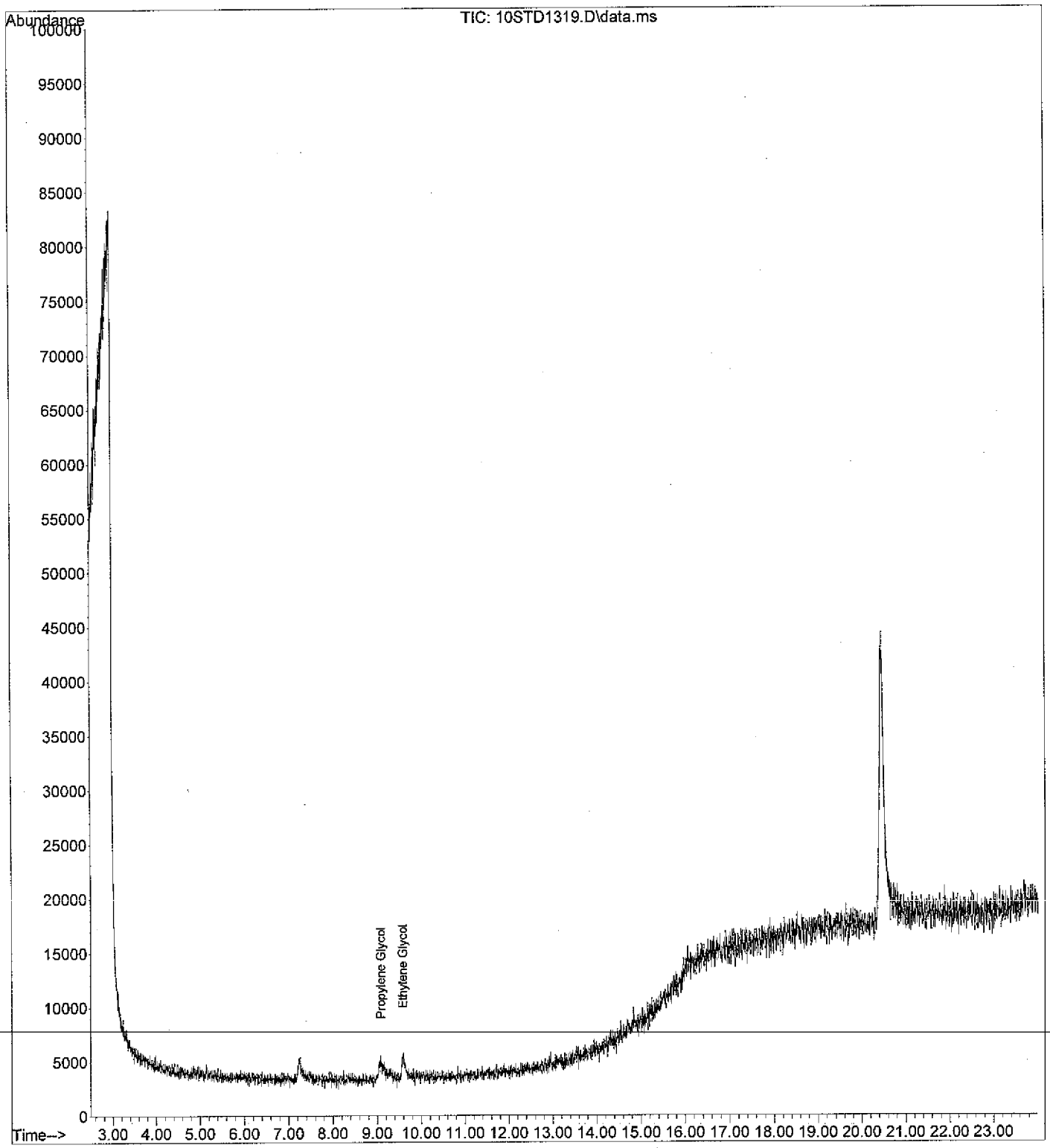
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.082	45	7489m	0.92	ug/ml	
2) Ethylene Glycol	9.578	31	3722m	0.74	ug/ml	

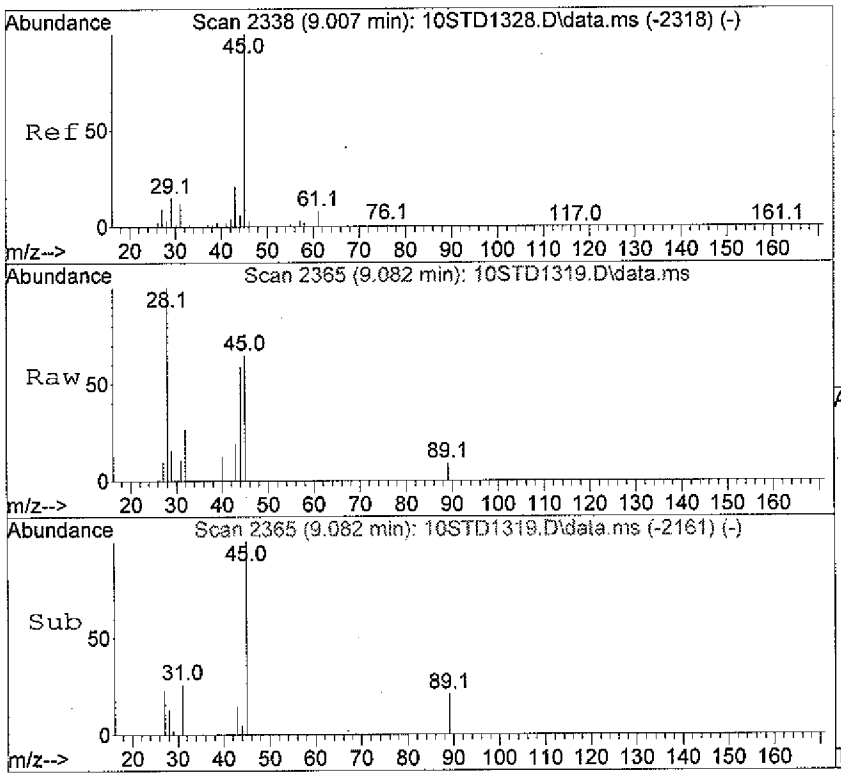
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 14:57:01 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:55:14 2012
Response via : Initial Calibration

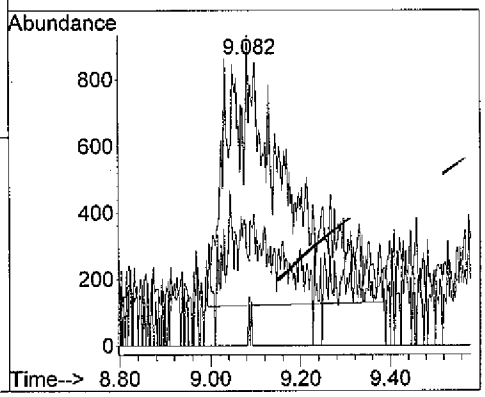


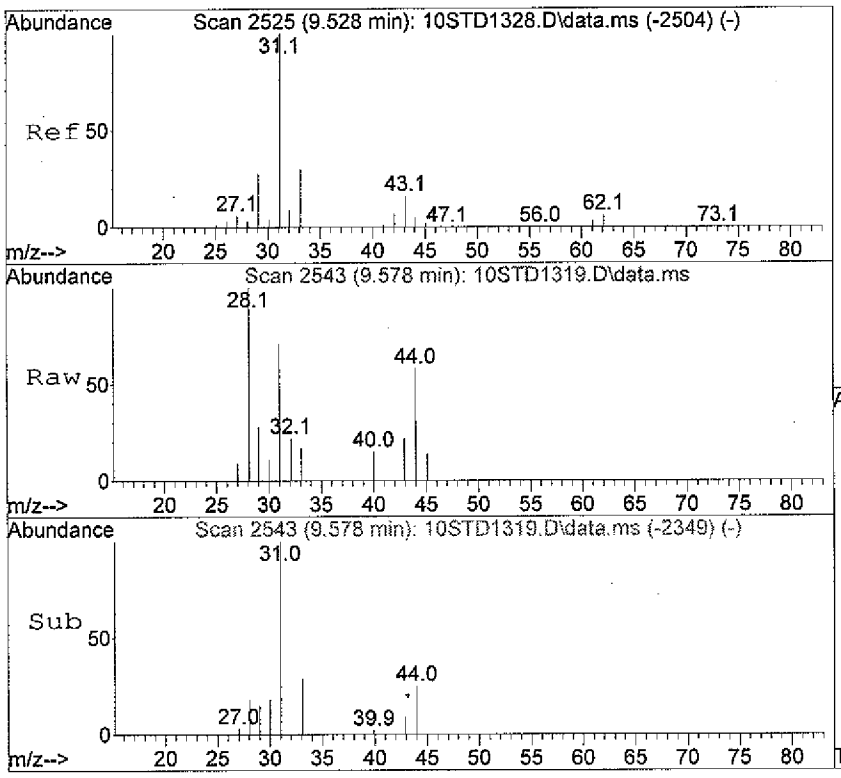


#1
Propylene Glycol
Concen: 0.92 ug/ml m
RT: 9.082 min Scan# 2365
Delta R.T. 0.070 min
Lab File: 10STD1319.D
Acq: 3 Mar 2012 1:28 pm

Tgt Ion: 45 Resp: 7489

Ion	Ratio	Lower	Upper
45	100		
43	28.7	14.0	31.2
61	0.0	0.0	16.6

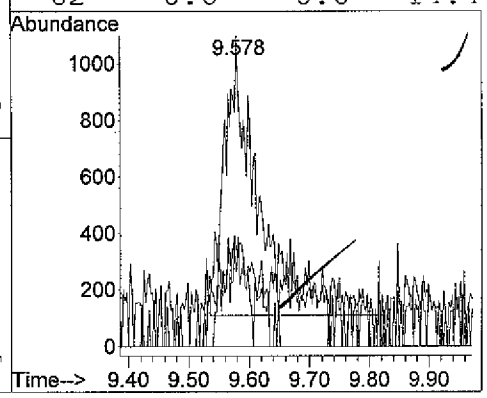




#2
Ethylene Glycol
Concen: 0.74 ug/ml m
RT: 9.578 min Scan# 2543
Delta R.T. 0.042 min
Lab File: 10STD1319.D
Acq: 3 Mar 2012 1:28 pm

Tgt Ion: 31 Resp: 3722

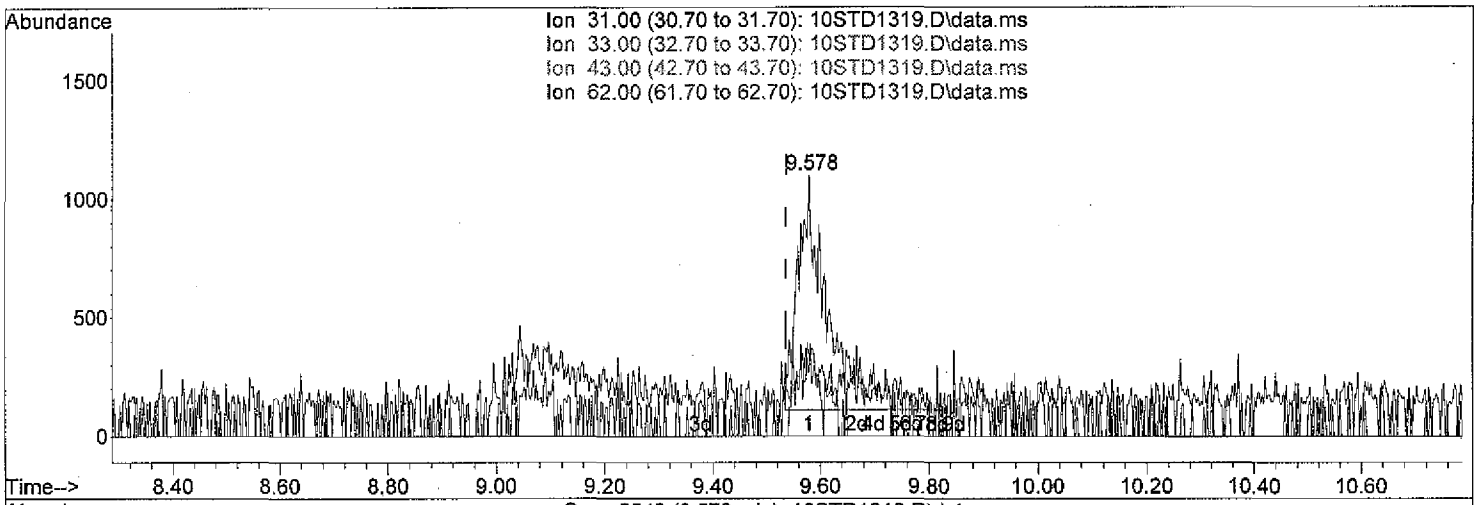
Ion	Ratio	Lower	Upper
31	100		
33	24.0	20.7	38.9
43	30.8	7.8	26.0#
62	0.0	0.0	14.4

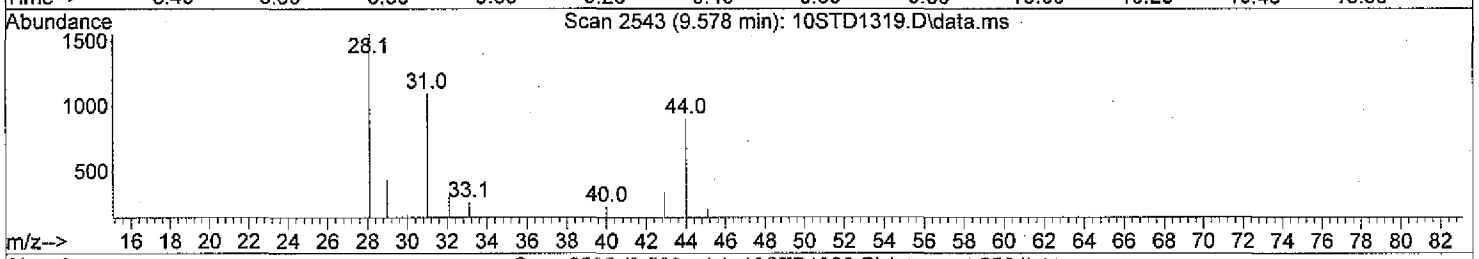


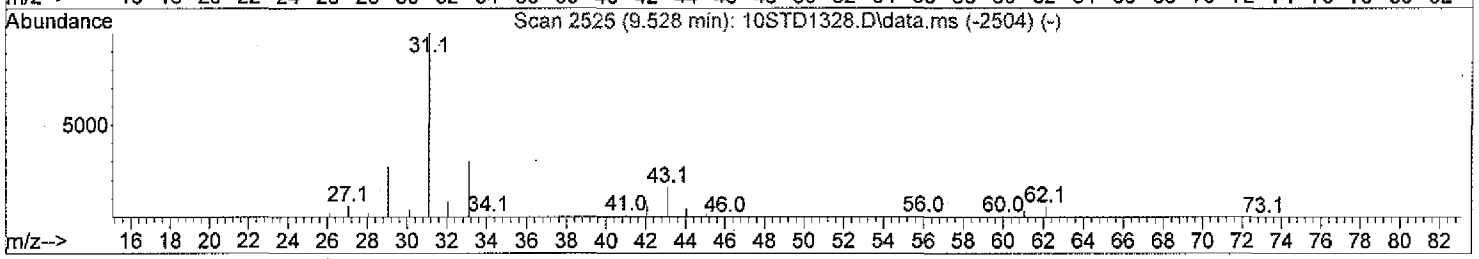
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 14:55:45 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:55:14 2012
Response via : Initial Calibration







TIC: 10STD1319.D\data.ms

(2) Ethylene Glycol

9.578min (+0.042) 0.74 ug/ml m

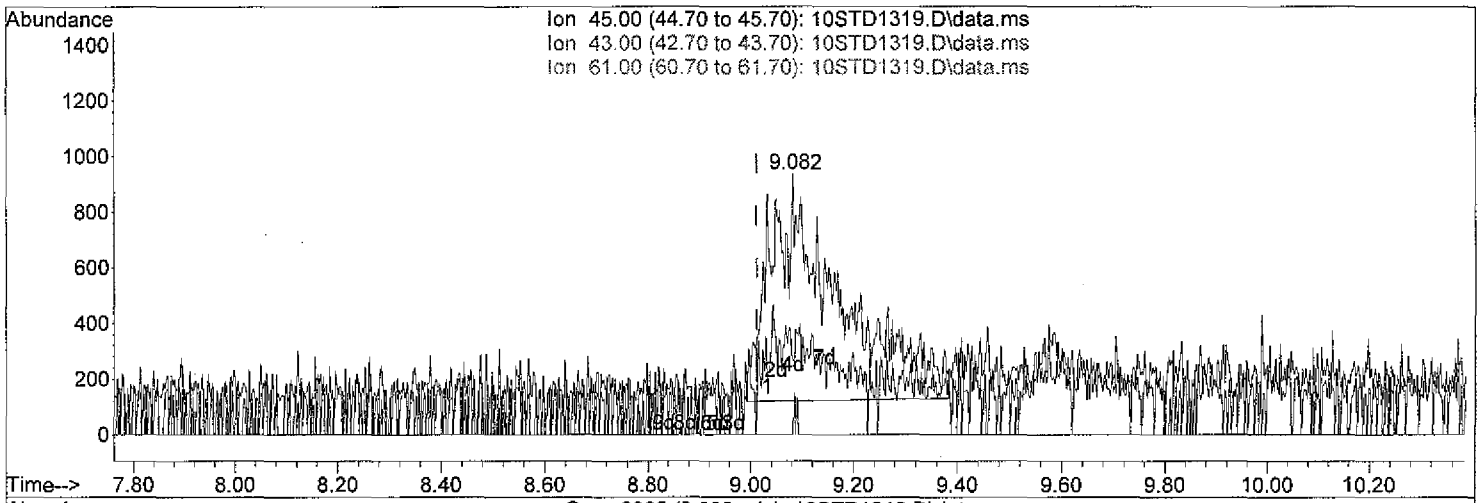
response 3722

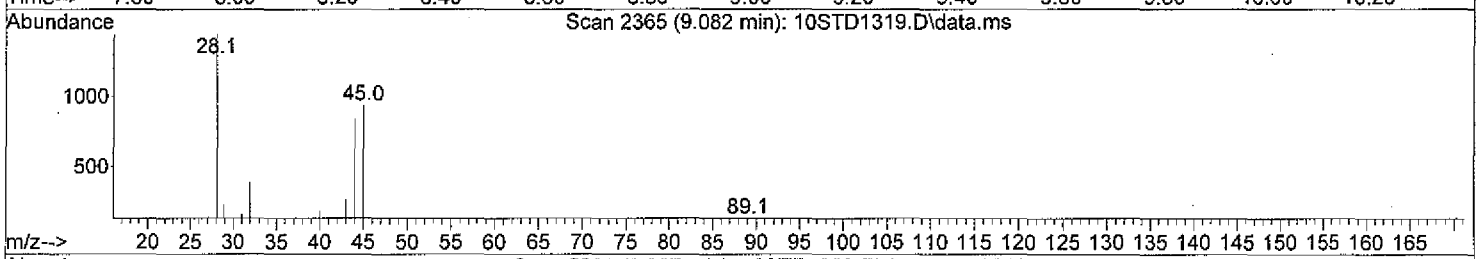
Ion	Exp%	Act%
31.00	100	100
33.00	29.80	24.02
43.00	16.90	30.85#
62.00	5.30	0.00

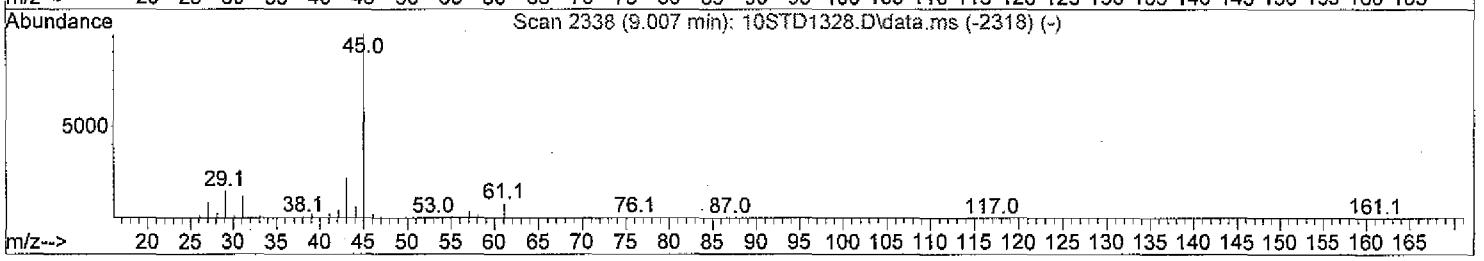
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 27 14:55:45 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:55:14 2012
Response via : Initial Calibration







TIC: 10STD1319.D\data.ms

(1) Propylene Glycol

9.082min (+0.070) 0.92 ug/ml m

response 7489

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	28.66
61.00	8.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 14:59:26 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14:57:53 2012
QLast Update : Tue Mar 27 14:57:53 2012
Response via : Initial Calibration

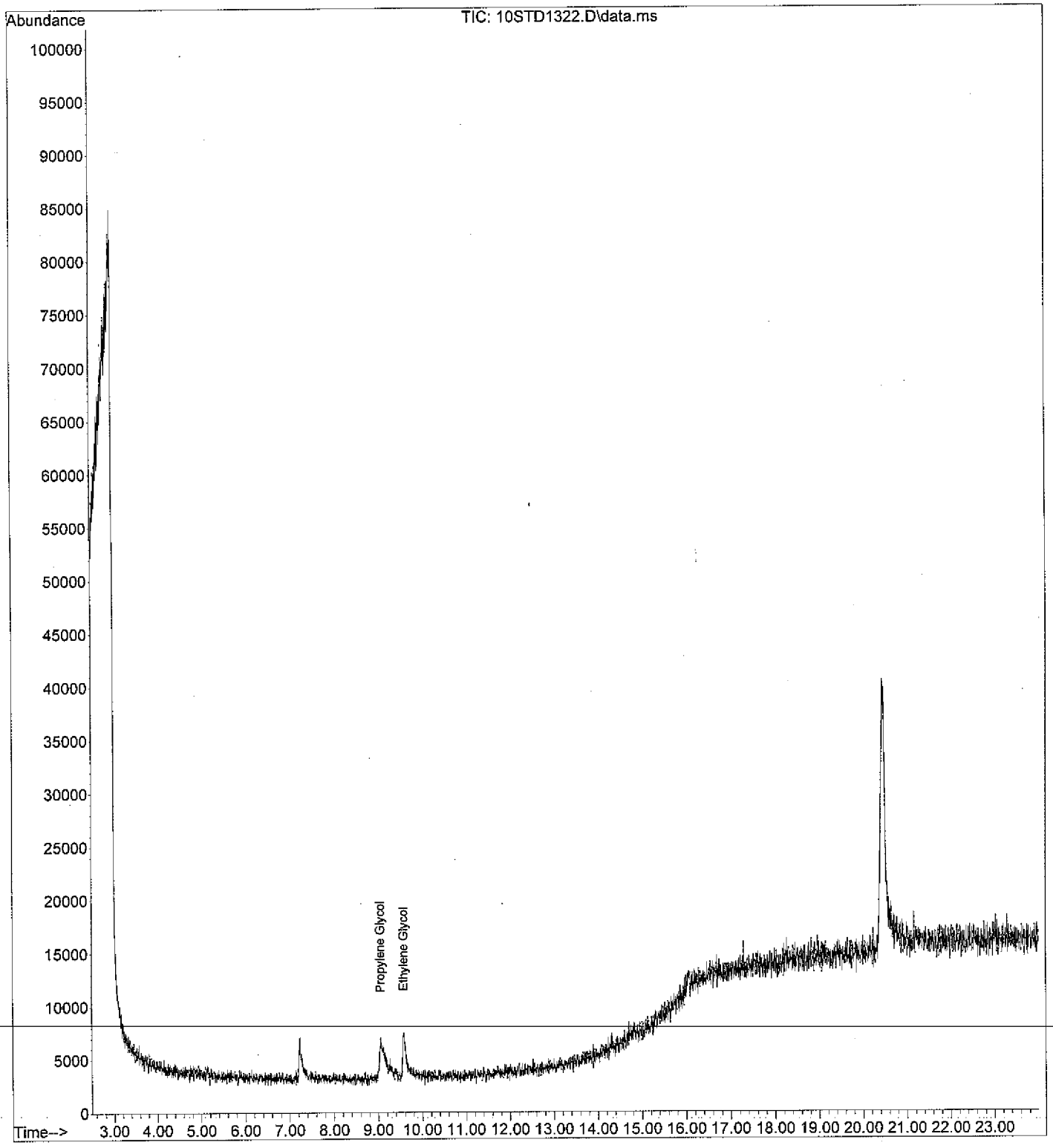
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.054	45	13046m	1.65	ug/ml	
2) Ethylene Glycol	9.575	31	7815m	1.70	ug/ml	

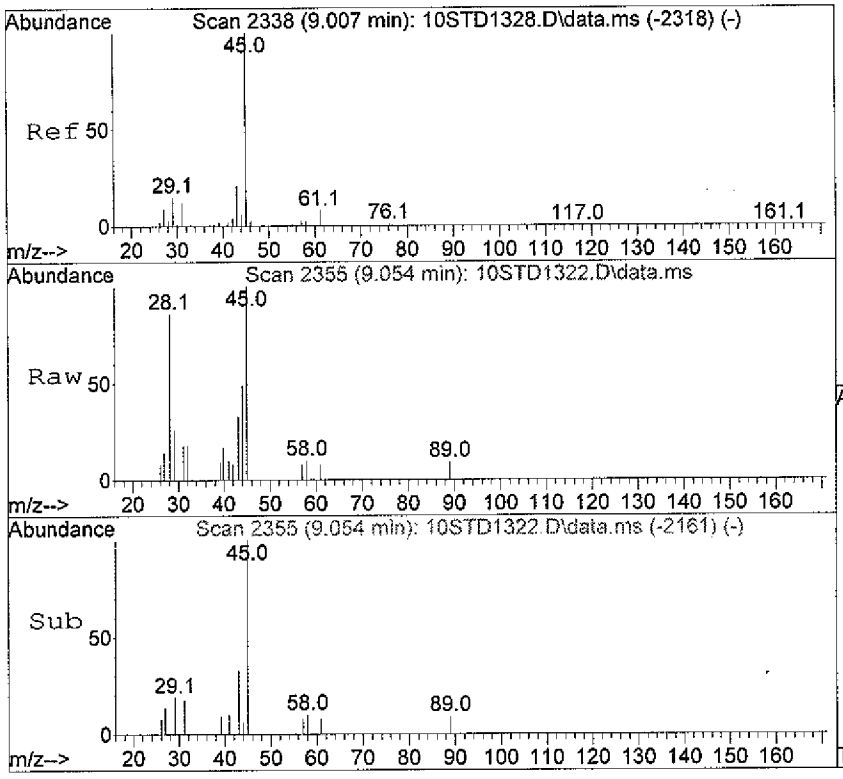
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 14:59:26 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:57:53 2012
Response via : Initial Calibration

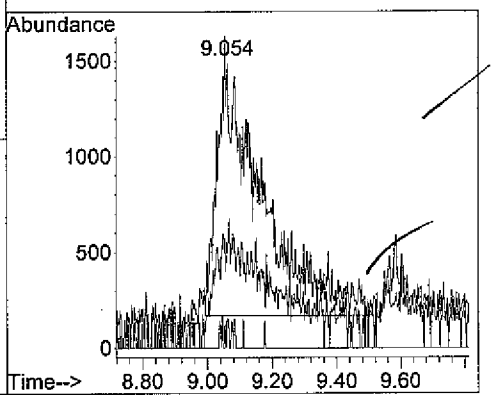


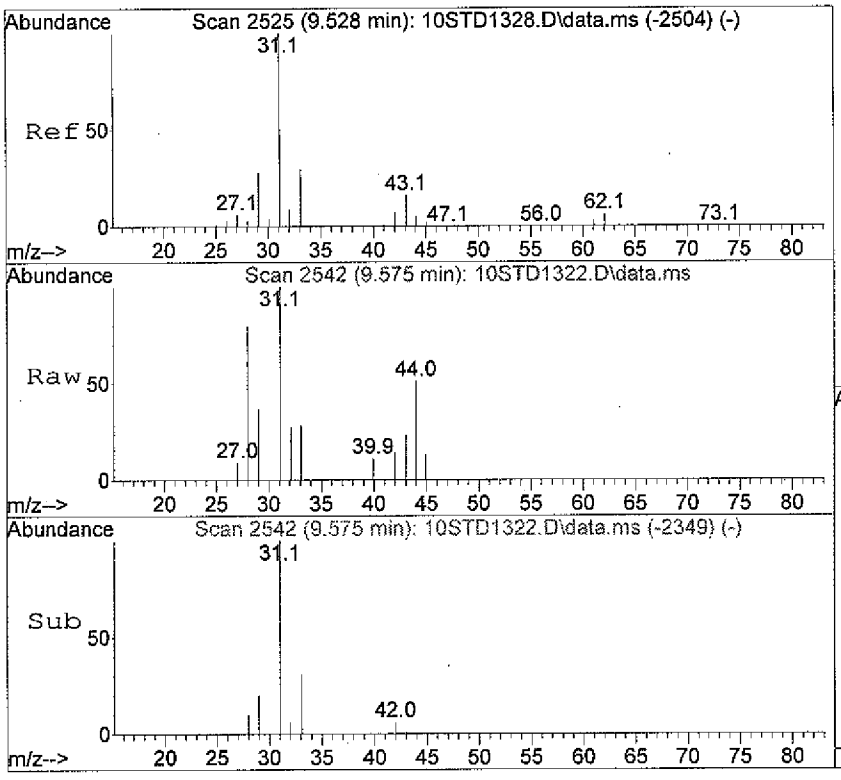


#1
Propylene Glycol
Concen: 1.65 ug/ml m
RT: 9.054 min Scan# 2355
Delta R.T. 0.042 min
Lab File: 10STD1322.D
Acq: 3 Mar 2012 2:47 pm

Tgt Ion: 45 Resp: 13046

Ion	Ratio	Lower	Upper
45	100		
43	32.6	14.0	31.2#
61	7.6	0.0	16.6

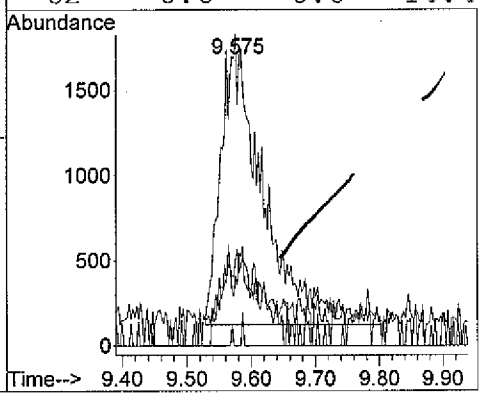




#2
Ethylene Glycol
Concen: 1.70 ug/ml m
RT: 9.575 min Scan# 2542
Delta R.T. 0.039 min
Lab File: 10STD1322.D
Acq: 3 Mar 2012 2:47 pm

Tgt Ion: 31 Resp: 7815

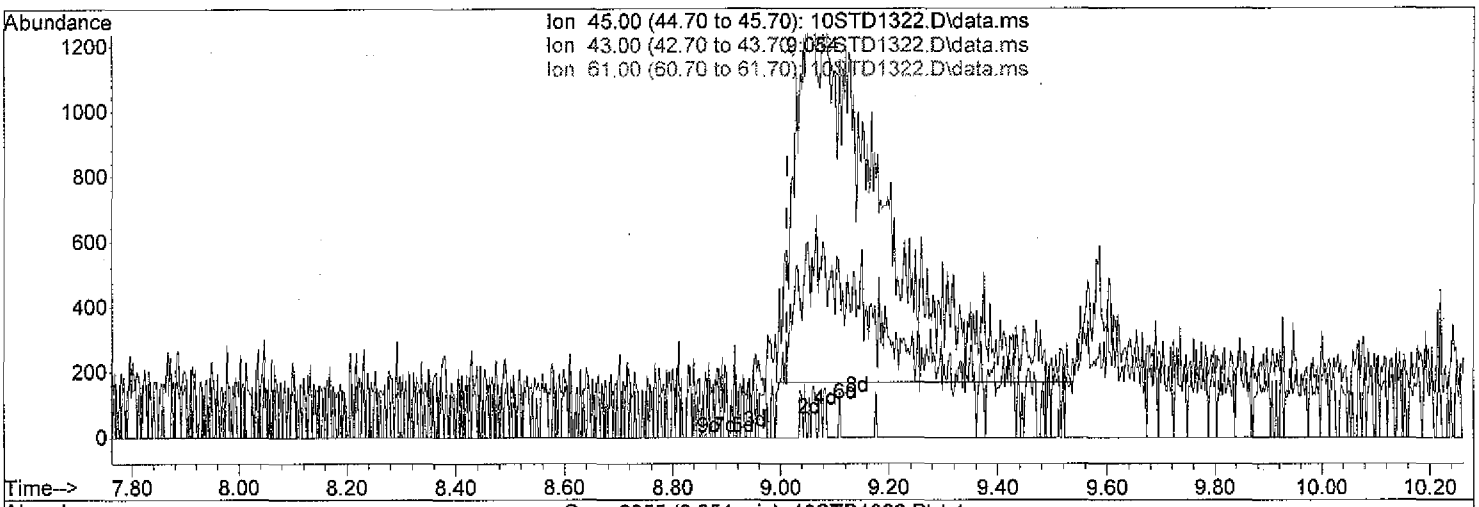
Ion	Ratio	Lower	Upper
31	100		
33	27.7	20.7	38.9
43	22.6	7.8	26.0
62	0.0	0.0	14.4

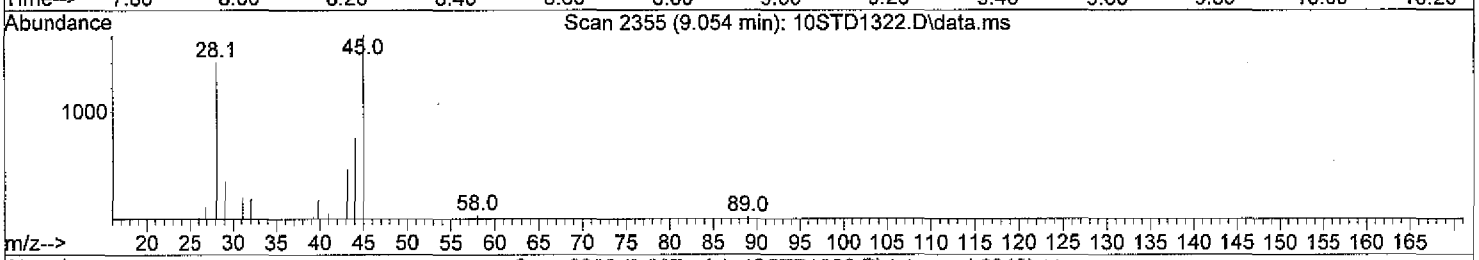


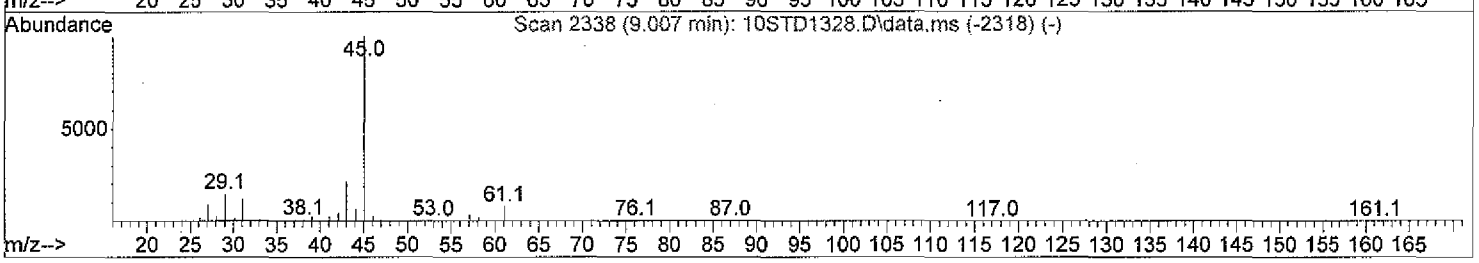
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 14:58:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:57:53 2012
Response via : Initial Calibration







TIC: 10STD1322.D\data.ms

(1) Propylene Glycol

9.054min (+0.042) 1.65 ug/ml m

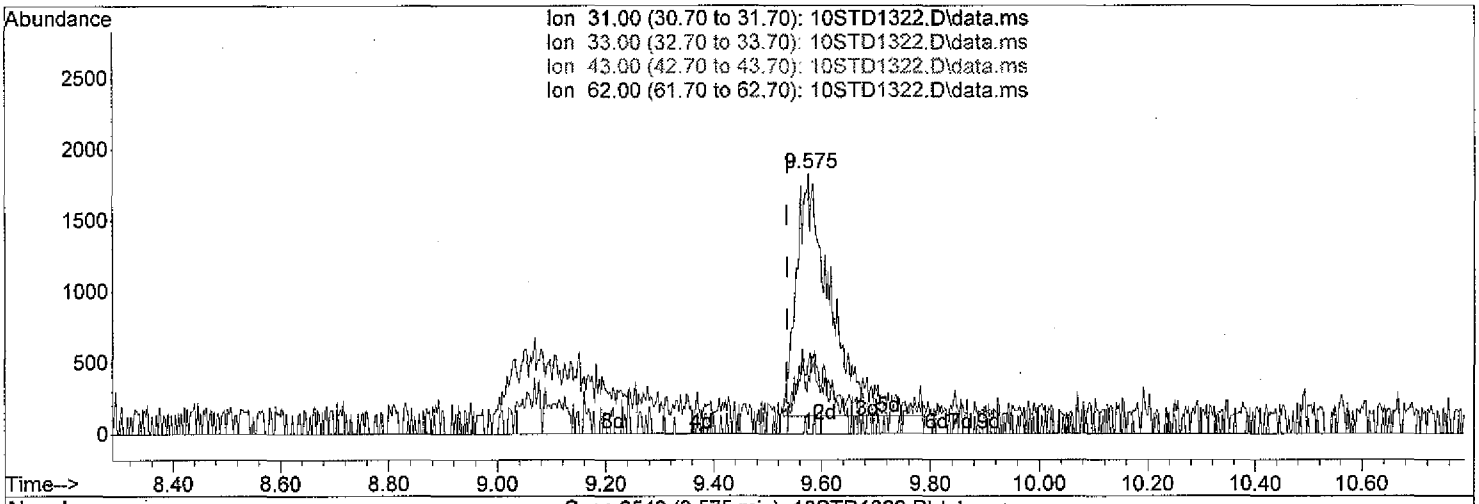
response 13046

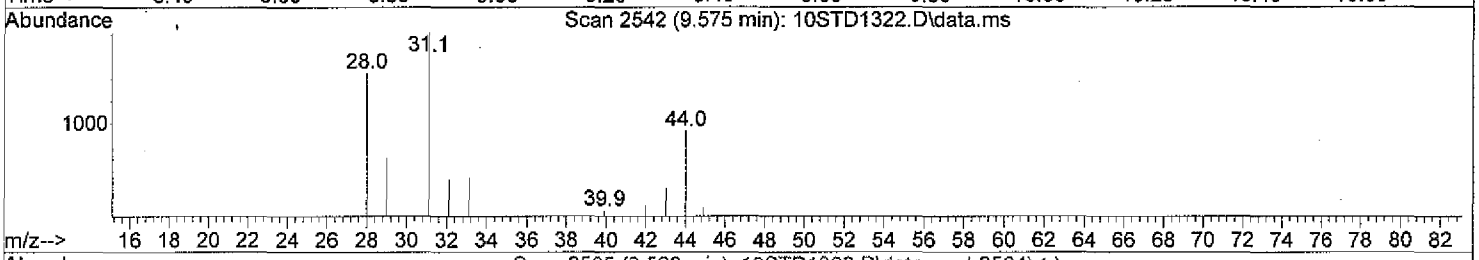
Ion	Exp%	Act%
45.00	100	100
43.00	22.60	32.60#
61.00	8.00	7.61
0.00	0.00	0.00

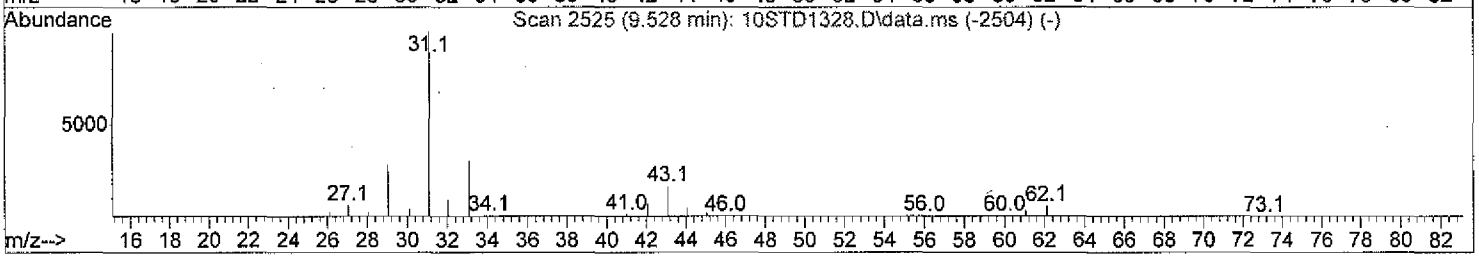
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 27 14:58:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 14
QLast Update : Tue Mar 27 14:57:53 2012
Response via : Initial Calibration







TIC: 10STD1322.D\data.ms

(2) Ethylene Glycol

9.575min (+0.039) 1.70 ug/ml m

response 7815

Ion	Exp%	Act%
31.00	100	100
33.00	29.80	27.70
43.00	16.90	22.61
62.00	5.30	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1323.D
Acq On : 3 Mar 2012 3:13 pm
Operator : kws
Sample : 5 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 5 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 15:01:35 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:00:16 2012
QLast Update : Tue Mar 27 15:00:16 2012
Response via : Initial Calibration

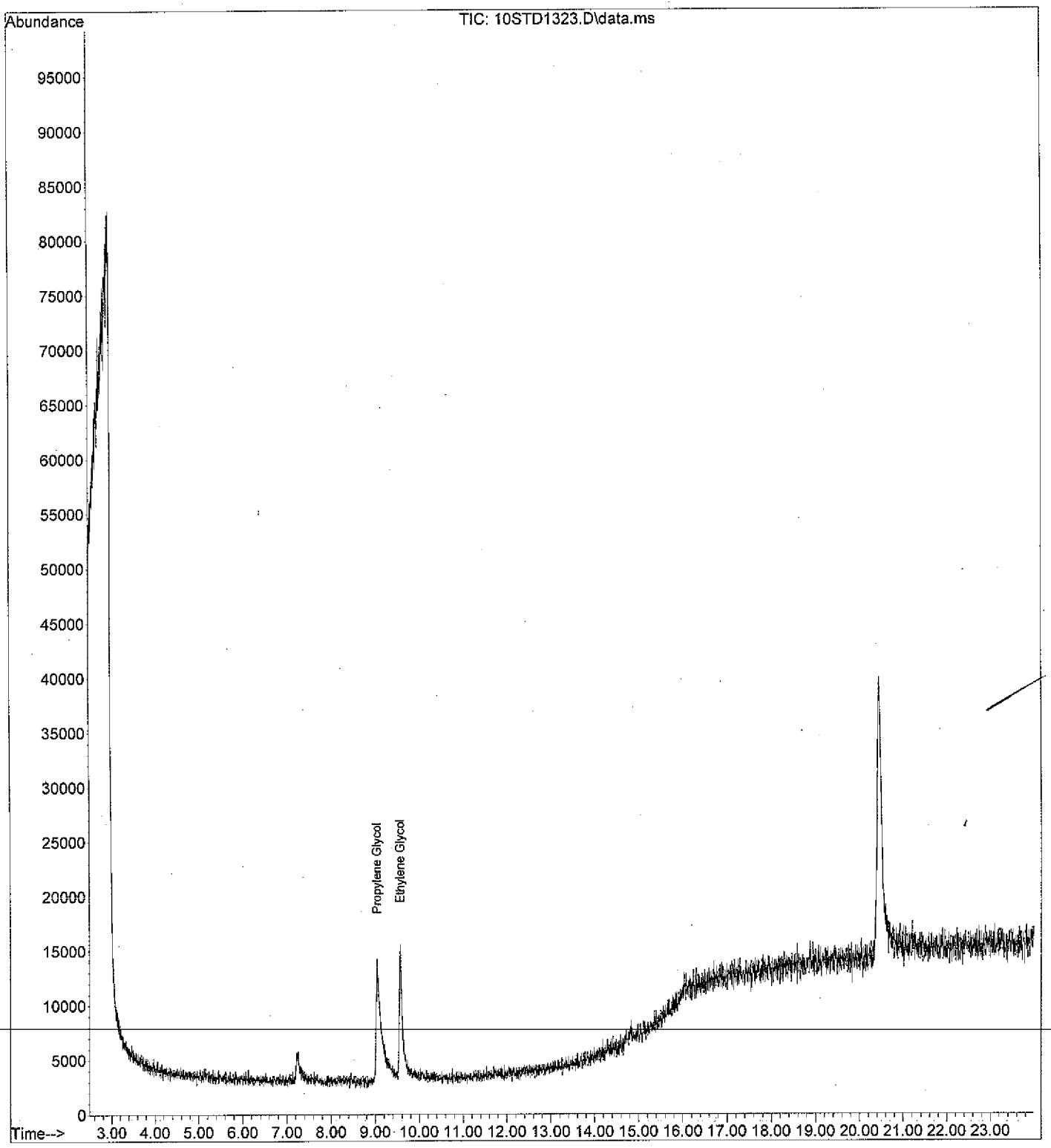
Compound	R.T.	QIon	Response	Conc	Units	Qvalue Dev(Min)
Target Compounds						
1) Propylene Glycol	9.043	45	34522m	4.57	ug/ml	
2) Ethylene Glycol	9.570	31	21229	4.79	ug/ml	98

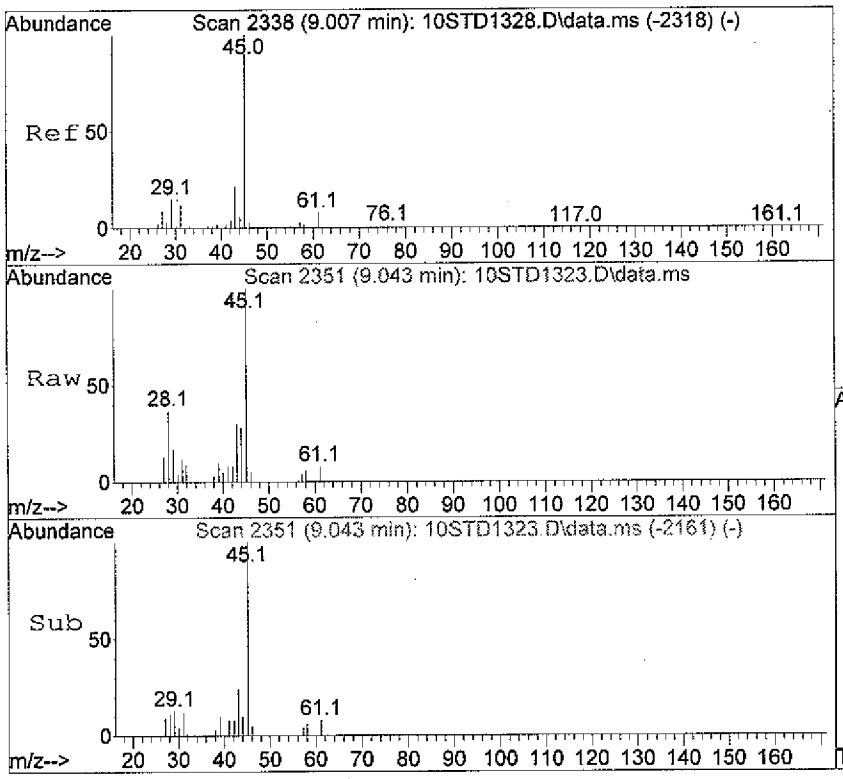
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1323.D
Acq On : 3 Mar 2012 3:13 pm
Operator : kws
Sample : 5 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 5 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 15:01:35 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:00:16 2012
Response via : Initial Calibration

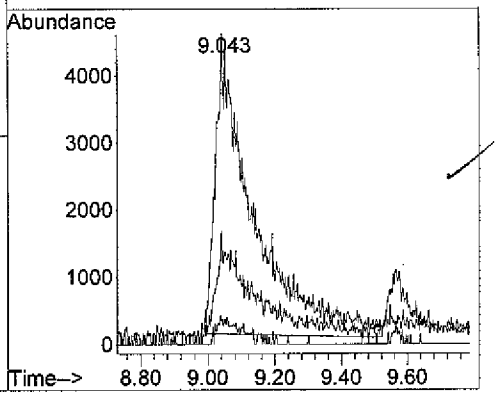


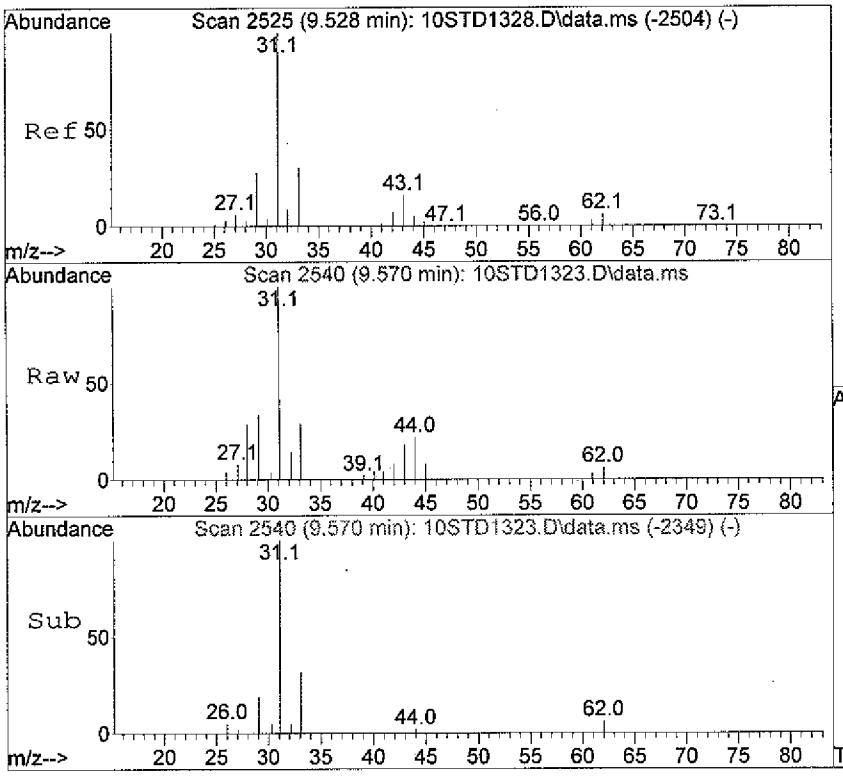


#1
Propylene Glycol
Concen: 4.57 ug/ml m
RT: 9.043 min Scan# 2351
Delta R.T. 0.031 min
Lab File: 10STD1323.D
Acq: 3 Mar 2012 3:13 pm

Tgt Ion: 45 Resp: 34522

Ion	Ratio	Lower	Upper
45	100		
43	29.7	14.0	31.2
61	8.4	0.0	16.6

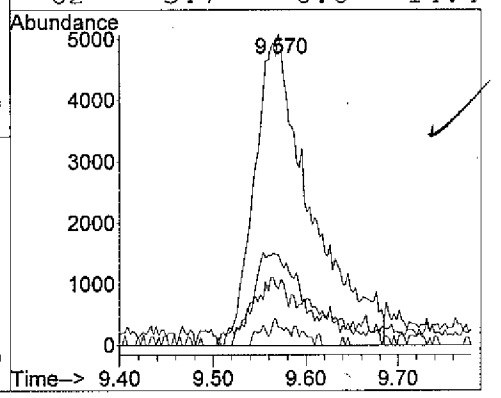




#2
Ethylene Glycol
Concen: 4.79 ug/ml
RT: 9.570 min Scan# 2540
Delta R.T. 0.033 min
Lab File: 10STD1323.D
Acq: 3 Mar 2012 3:13 pm

Tgt Ion: 31 Resp: 21229

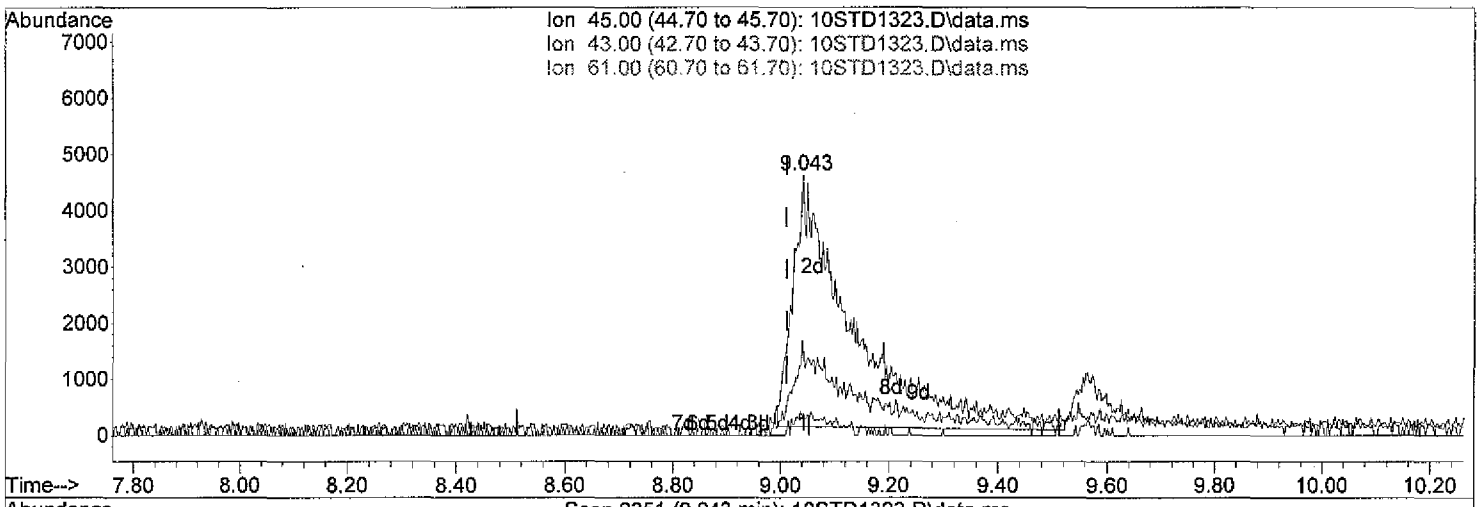
Ion	Ratio	Lower	Upper
31	100		
33	29.1	20.7	38.9
43	18.2	7.8	26.0
62	5.7	0.0	14.4

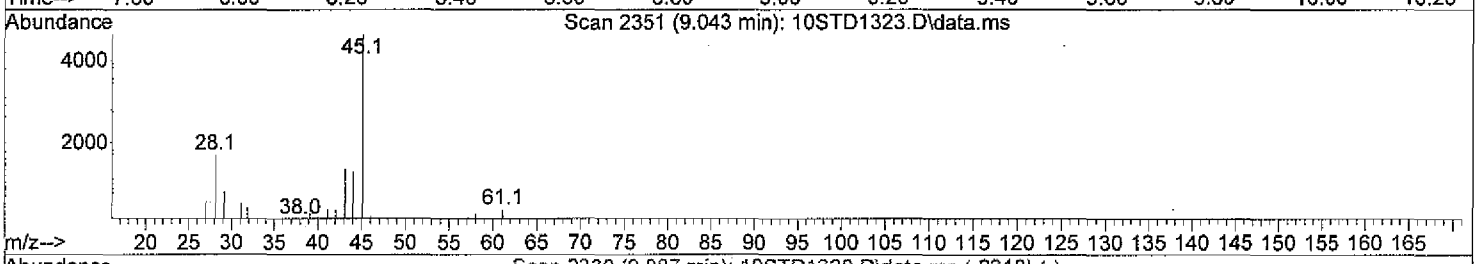


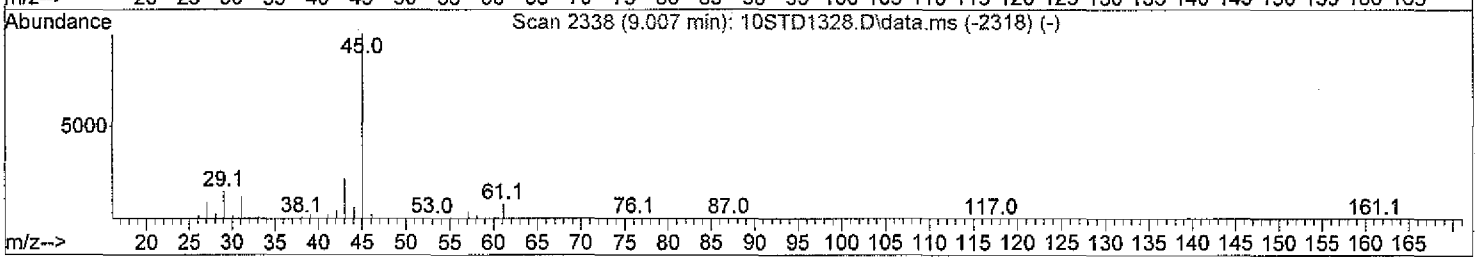
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1323.D
Acq On : 3 Mar 2012 3:13 pm
Operator : kws
Sample : 5 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 5 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 27 15:01:11 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:00:16 2012
Response via : Initial Calibration







TIC: 10STD1323.D\data.ms

(1) Propylene Glycol

9.043min (+0.031) 4.57 ug/ml m

response 34522

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	29.71
61.00	8.00	8.36
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 16:01:03 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:02:30 2012
QLast Update : Tue Mar 27 15:02:30 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.037	45	81336m	10.95	ug/ml	
2) Ethylene Glycol	9.548	31	47860	10.90	ug/ml	98

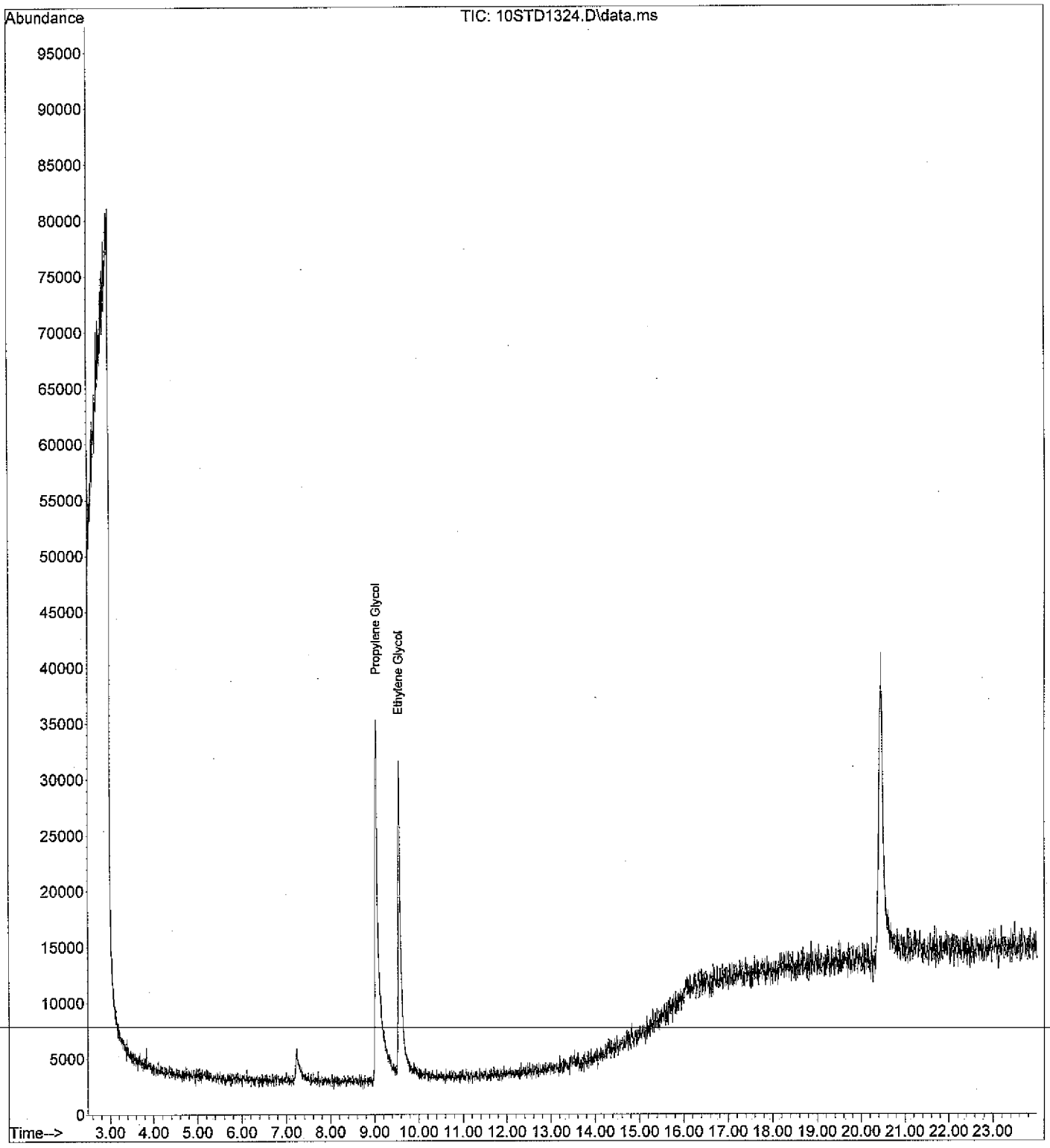
(#) = qualifier out of range (m) = manual integration (+) = signals summed

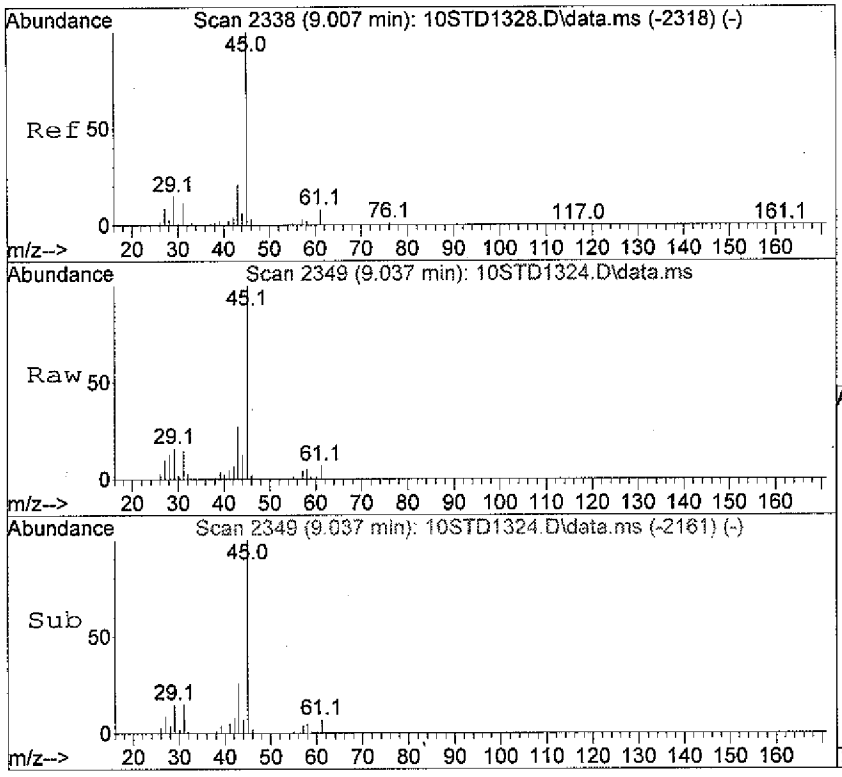
DIM0096205 DIM0096436

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 16:01:03 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:02:30 2012
Response via : Initial Calibration

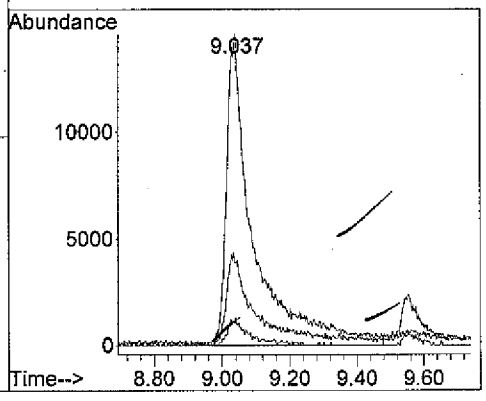


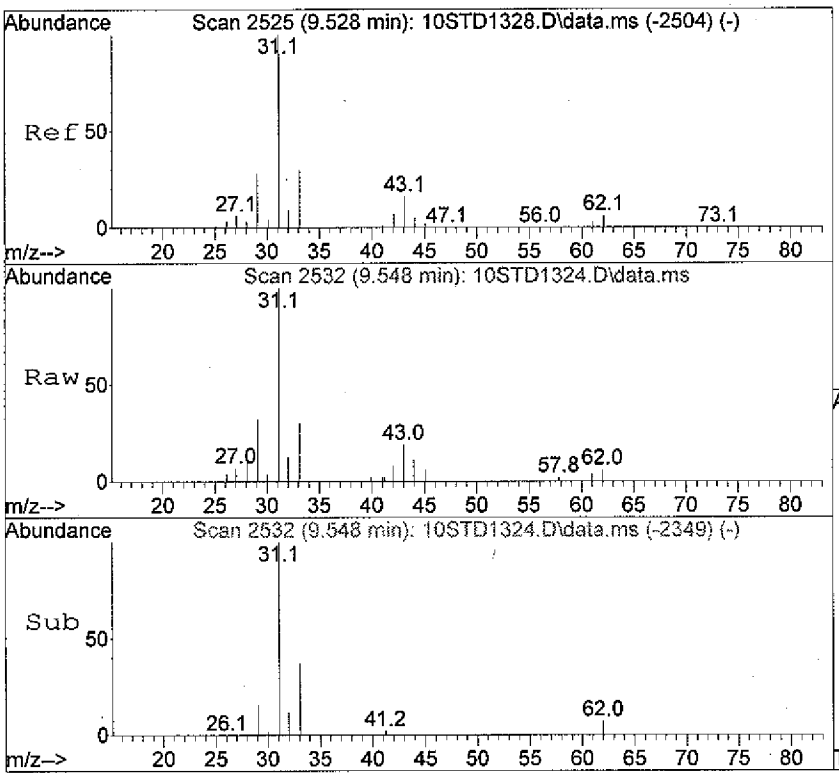


#1
Propylene Glycol
Concen: 10.95 ug/ml m
RT: 9.037 min Scan# 2349
Delta R.T. 0.025 min
Lab File: 10STD1324.D
Acq: 3 Mar 2012 3:39 pm

Tgt Ion: 45 Resp: 81336

Ion	Ratio	Lower	Upper
45	100		
43	26.7	14.0	31.2
61	7.0	0.0	16.6

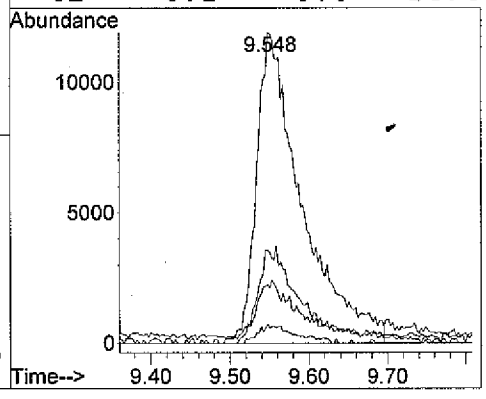




#2
Ethylene Glycol
Concen: 10.90 ug/ml
RT: 9.548 min Scan# 2532
Delta R.T. 0.011 min
Lab File: 10STD1324.D
Acq: 3 Mar 2012 3:39 pm

Tgt Ion: 31 Resp: 47860

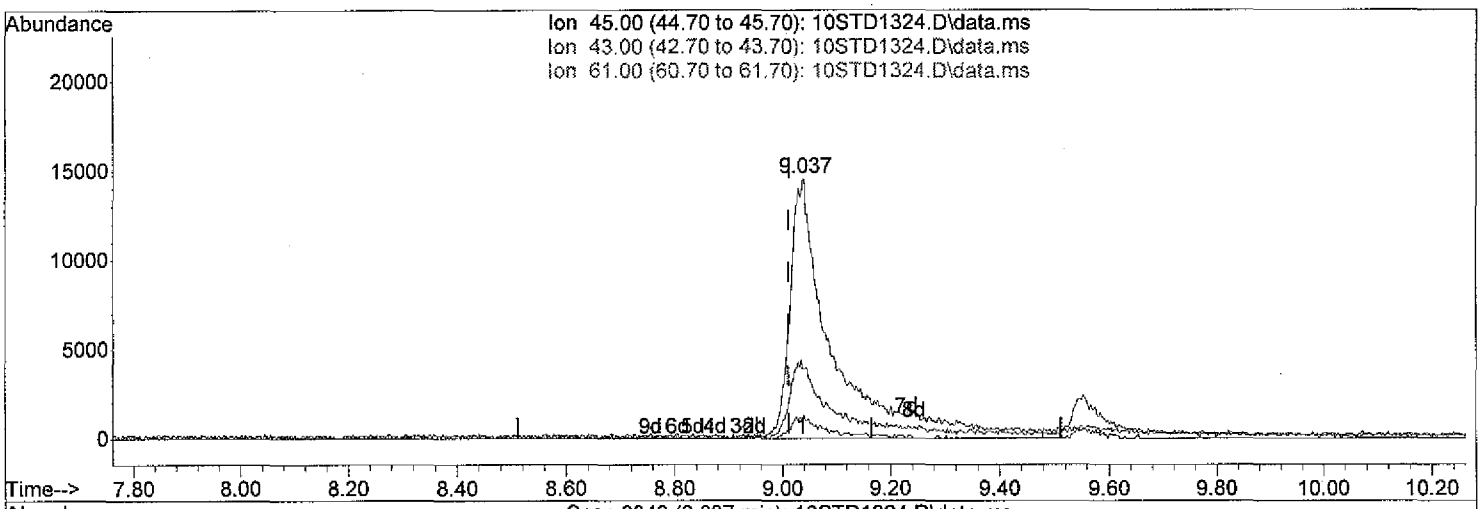
Ion	Ratio	Lower	Upper
31	100		
33	30.0	20.7	38.9
43	18.8	7.8	26.0
62	6.1	0.0	14.4

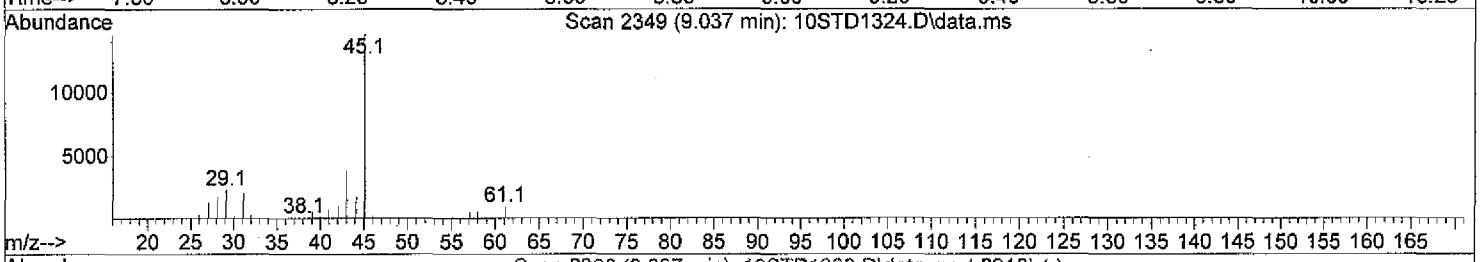


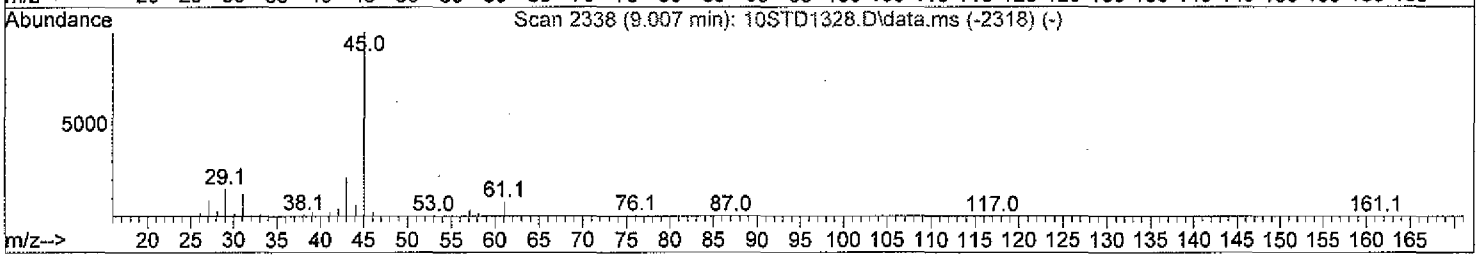
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 15:02:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:02:30 2012
Response via : Initial Calibration







TIC: 10STD1324.D\data.ms

(1) Propylene Glycol

9.037min (+0.025) 10.95 ug/ml m

response 81336

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	26.70
61.00	8.00	7.05
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 15:02:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:02:30 2012
QLast Update : Tue Mar 27 15:02:30 2012
Response via : Initial Calibration

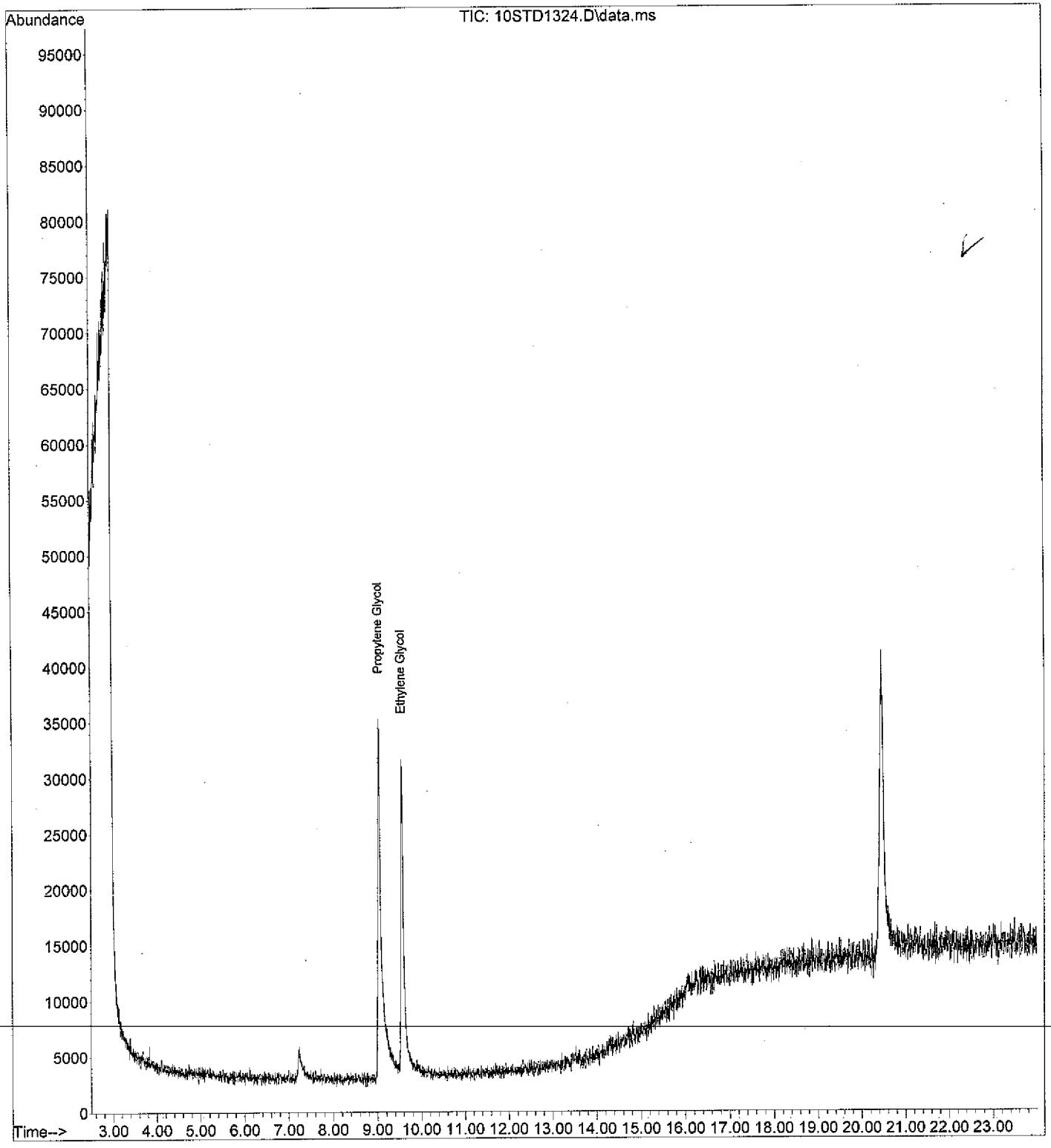
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.037	45	64288	8.66 ug/ml	93
2) Ethylene Glycol	9.548	31	47860	10.90 ug/ml	98

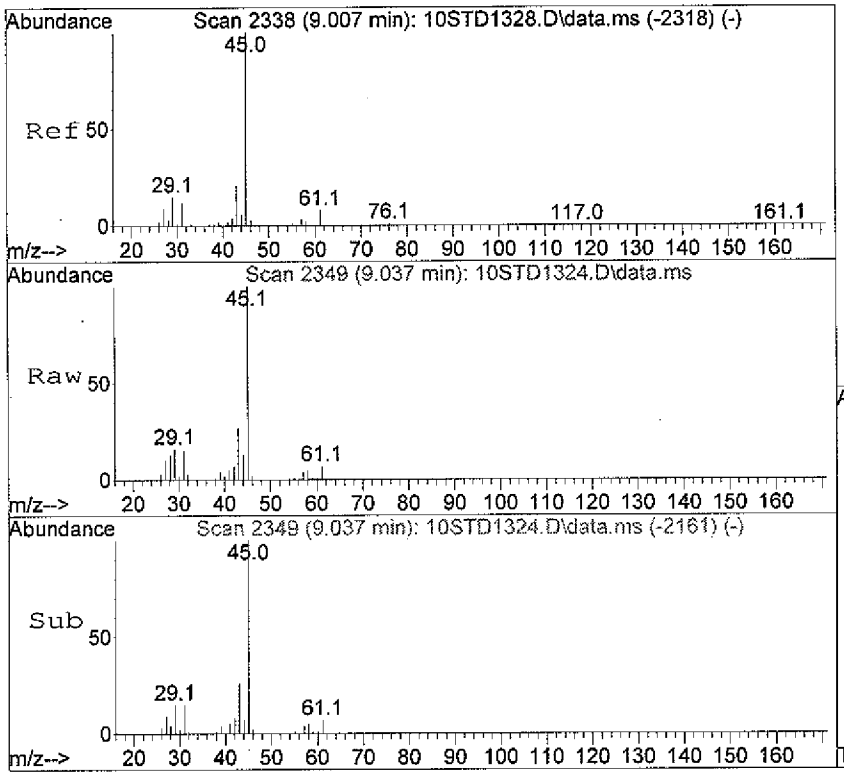
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 27 15:02:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:02:30 2012
Response via : Initial Calibration

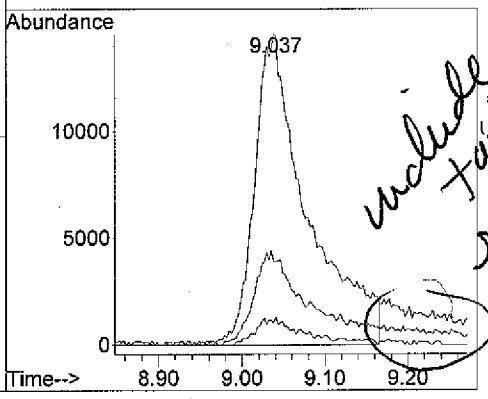




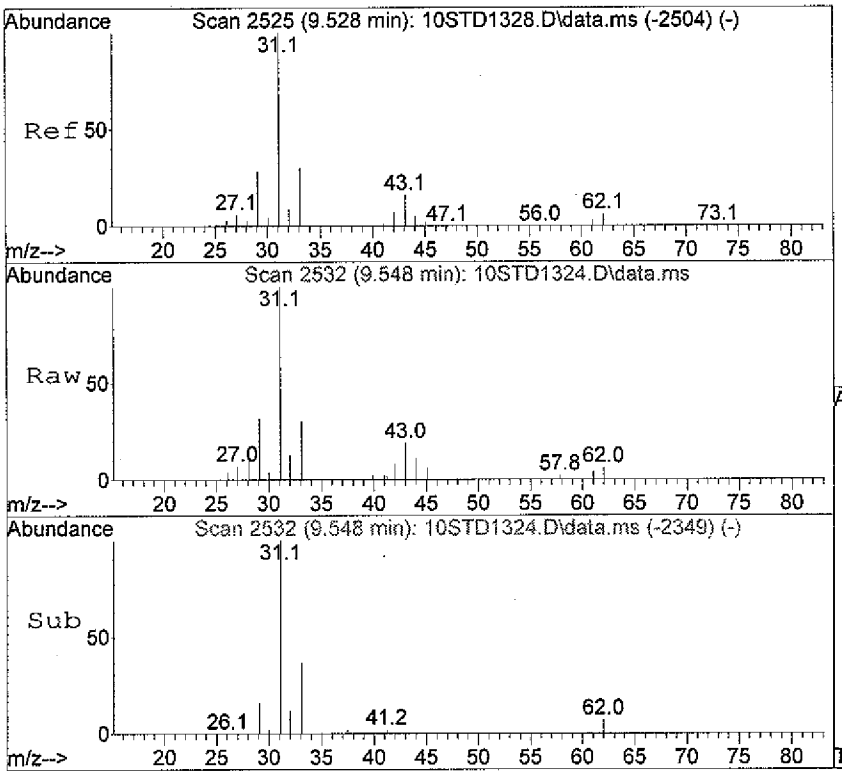
#1
Propylene Glycol
Concen: 8.66 ug/ml
RT: 9.037 min Scan# 2349
Delta R.T. 0.025 min
Lab File: 10STD1324.D
Acq: 3 Mar 2012 3:39 pm

Tgt Ion: 45 Resp: 64288

Ion	Ratio	Lower	Upper
45	100		
43	26.7	14.0	31.2
61	7.0	0.0	16.6



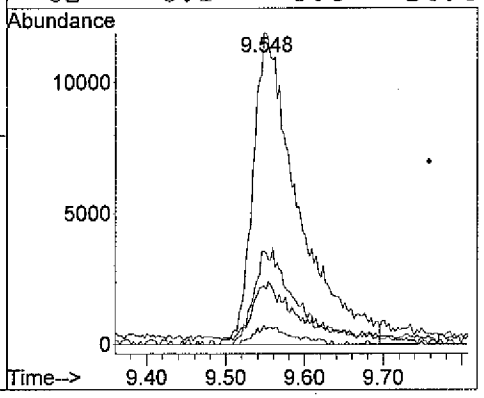
include tail & reprate



#2
Ethylene Glycol
Concen: 10.90 ug/ml
RT: 9.548 min Scan# 2532
Delta R.T. 0.011 min
Lab File: 10STD1324.D
Acq: 3 Mar 2012 3:39 pm

Tgt Ion: 31 Resp: 47860

Ion	Ratio	Lower	Upper
31	100		
33	30.0	20.7	38.9
43	18.8	7.8	26.0
62	6.1	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1325.D
Acq On : 3 Mar 2012 4:05 pm
Operator : kws
Sample : 25 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 25 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 15:05:10 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

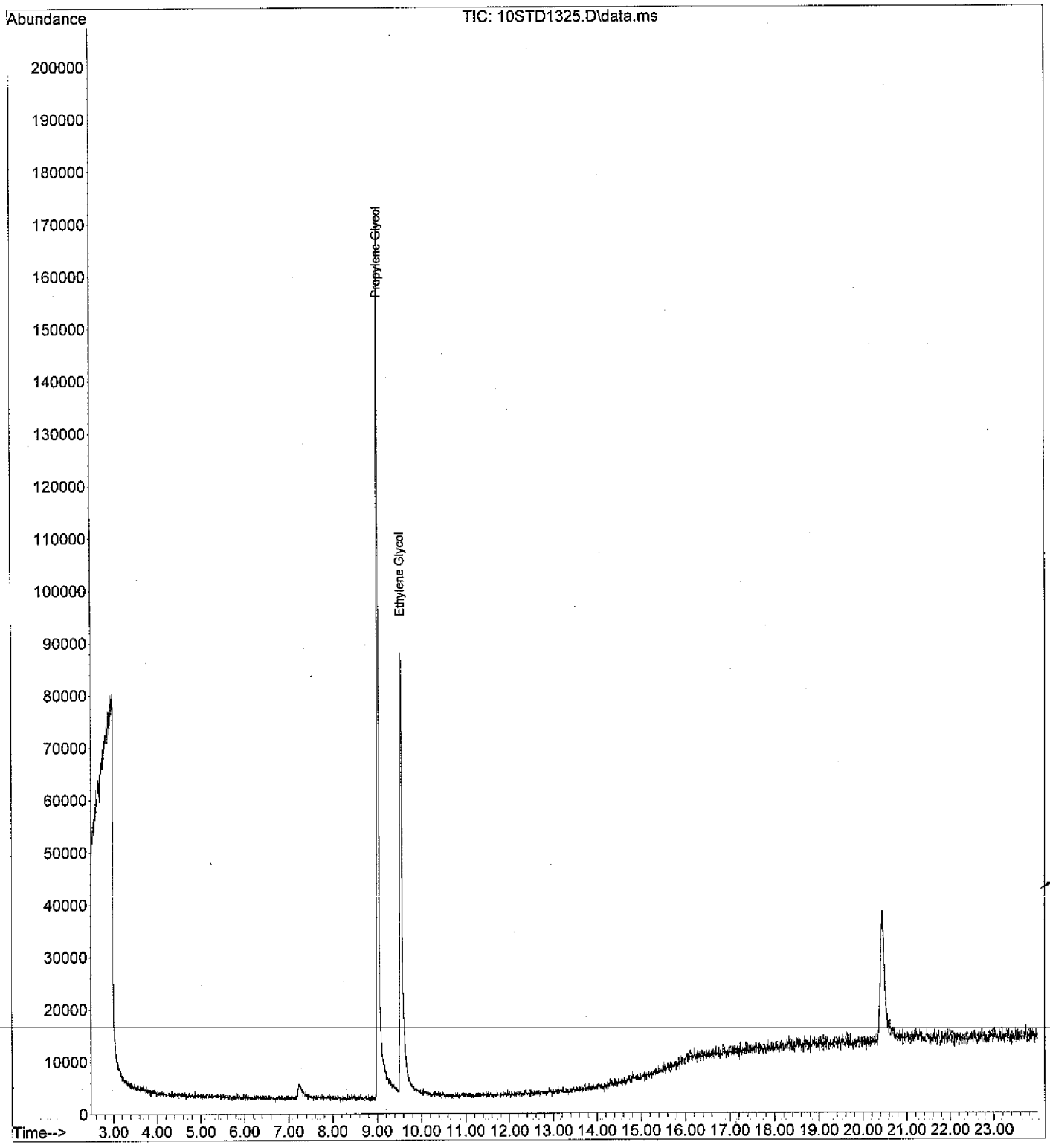
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.018	45	207687	28.61	ug/ml	98
2) Ethylene Glycol	9.537	31	131396	29.48	ug/ml	98

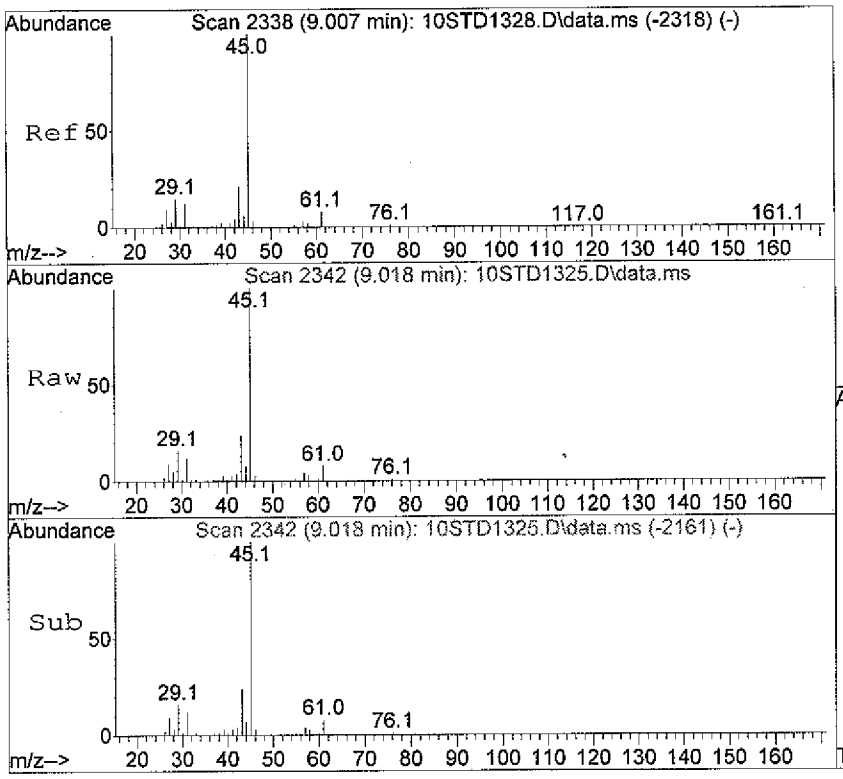
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1325.D
Acq On : 3 Mar 2012 4:05 pm
Operator : kws
Sample : 25 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 25 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 27 15:05:10 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

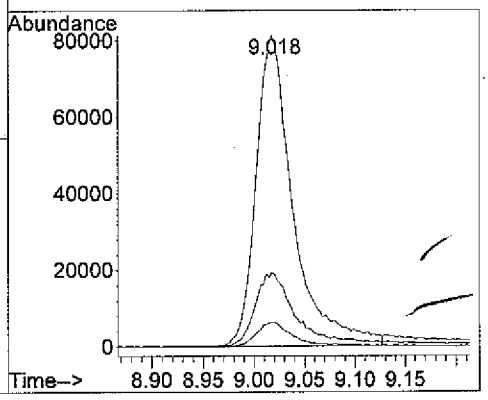


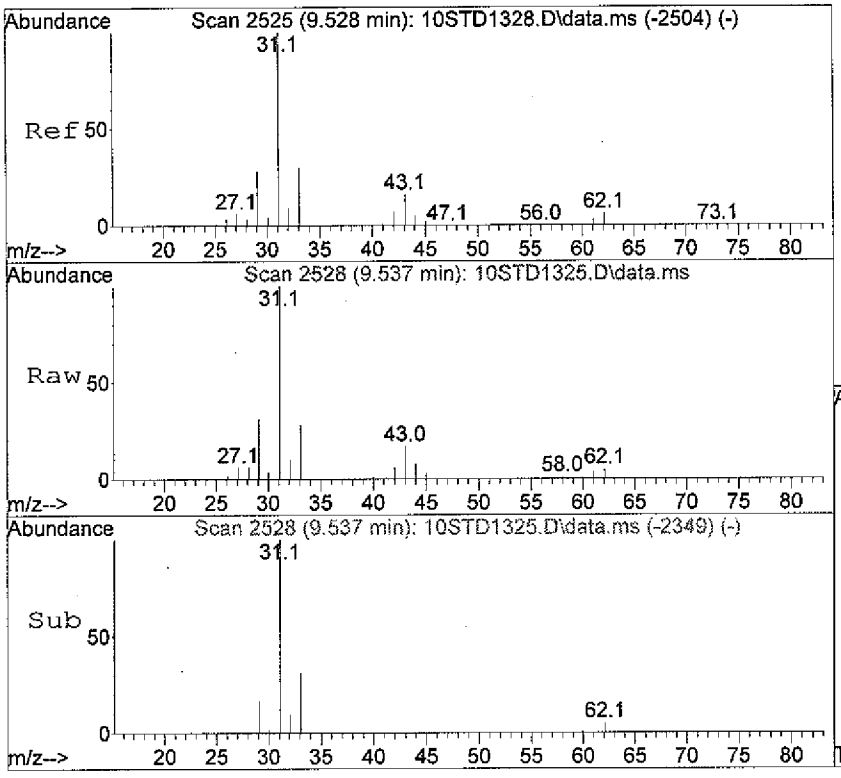


#1
Propylene Glycol
Concen: 28.61 ug/ml
RT: 9.018 min Scan# 2342
Delta R.T. 0.006 min
Lab File: 10STD1325.D
Acq: 3 Mar 2012 4:05 pm

Tgt Ion: 45 Resp: 207687

Ion	Ratio	Lower	Upper
45	100		
43	23.7	14.0	31.2
61	7.9	0.0	16.6

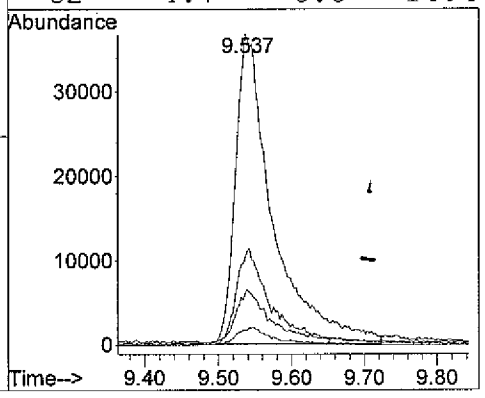




#2
Ethylene Glycol
Concen: 29.48 ug/ml
RT: 9.537 min Scan# 2528
Delta R.T. -0.000 min
Lab File: 10STD1325.D
Acq: 3 Mar 2012 4:05 pm

Tgt Ion: 31 Resp: 131396

Ion	Ratio	Lower	Upper
31	100		
33	28.3	20.7	38.9
43	16.8	7.8	26.0
62	4.7	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 15:05:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

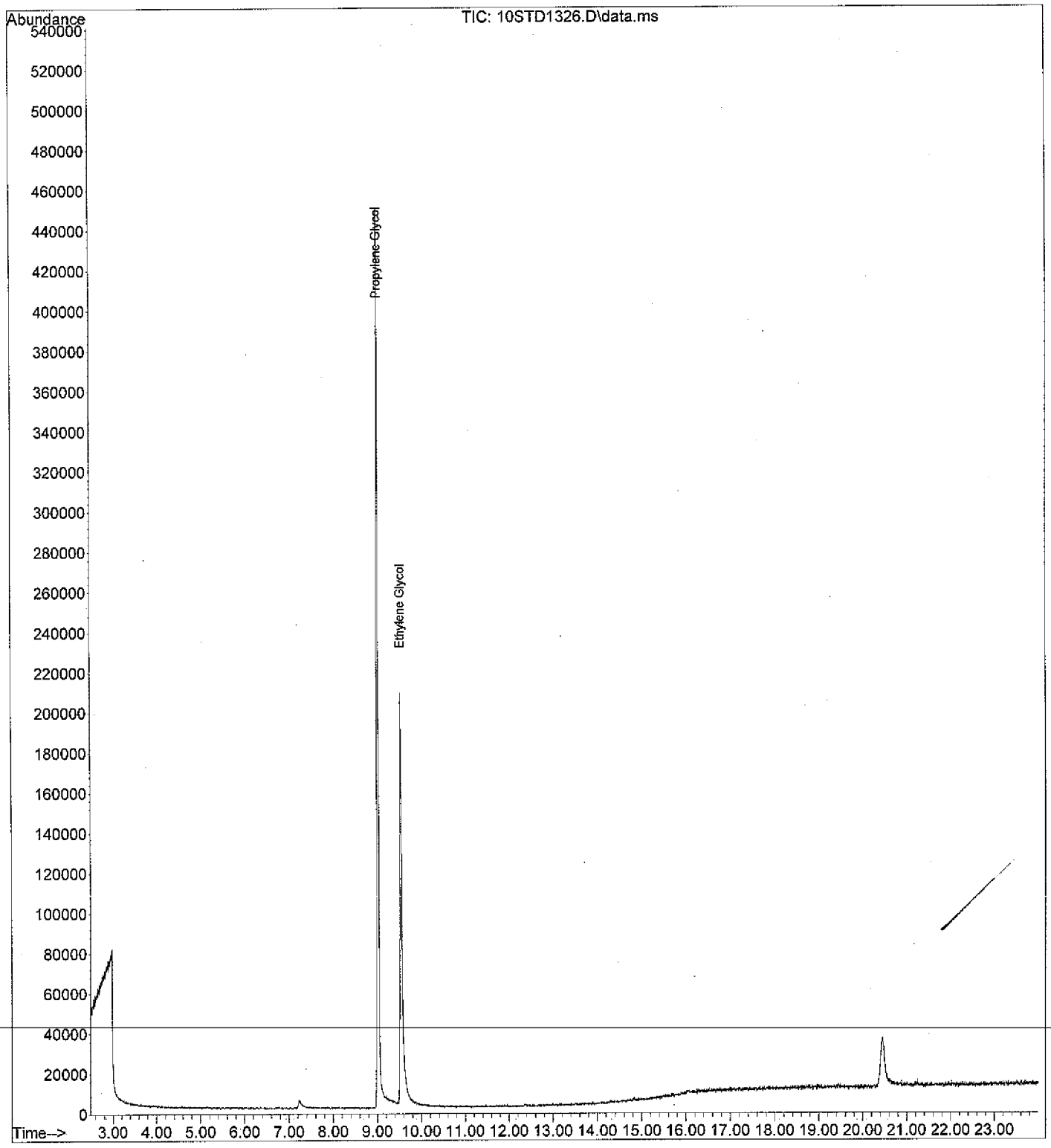
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.012	45	494657	68.14 ug/ml	100
2) Ethylene Glycol	9.537	31	281752	63.21 ug/ml	100

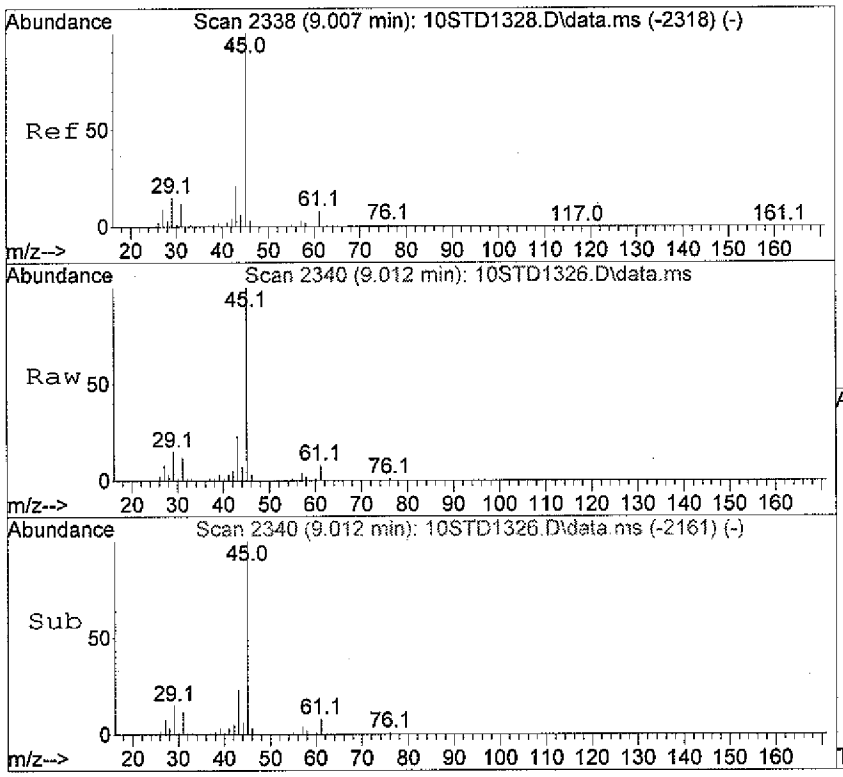
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 15:05:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

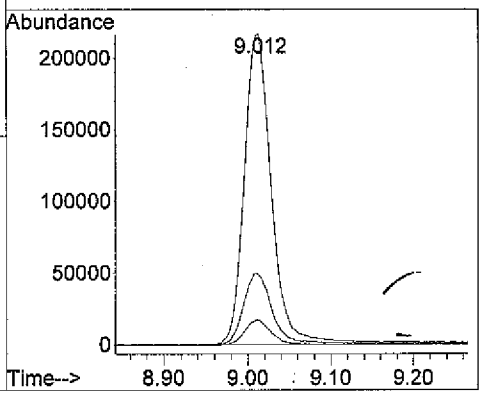


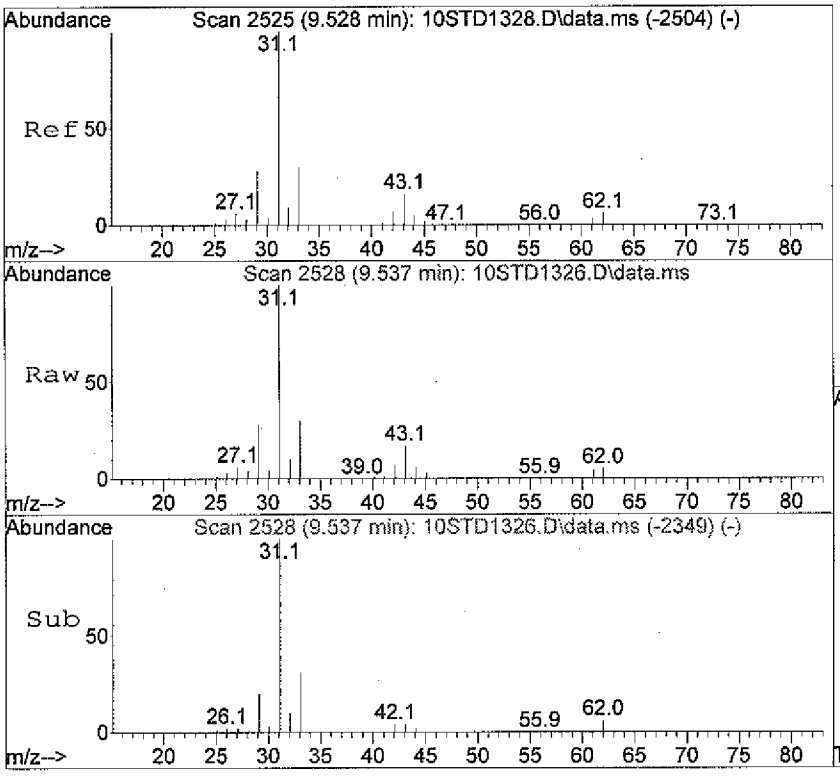


#1
Propylene Glycol
Concen: 68.14 ug/ml
RT: 9.012 min Scan# 2340
Delta R.T. 0.000 min
Lab File: 10STD1326.D
Acq: 3 Mar 2012 4:31 pm

Tgt Ion: 45 Resp: 494657

Ion	Ratio	Lower	Upper
45	100		
43	22.6	14.0	31.2
61	8.0	0.0	16.6

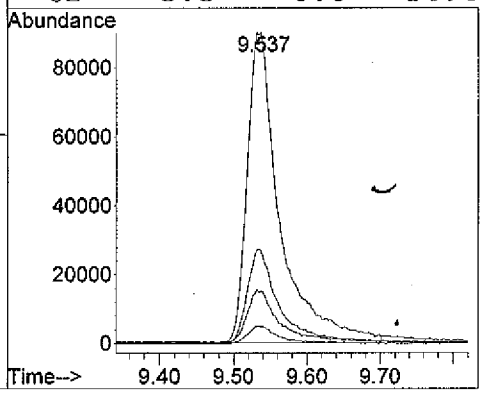




#2
Ethylene Glycol
Concen: 63.21 ug/ml
RT: 9.537 min Scan# 2528
Delta R.T. 0.000 min
Lab File: 10STD1326.D
Acq: 3 Mar 2012 4:31 pm

Tgt Ion: 31 Resp: 281752

Ion	Ratio	Lower	Upper
31	100		
33	29.8	20.7	38.9
43	16.9	7.8	26.0
62	5.3	0.0	14.4



Evaluate Continuing Calibration Report

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 27 15:05:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	Propylene Glycol	8.421	9.893	E3	-17.5	100	0.00
2	Ethylene Glycol	5.012	5.635	E3	-12.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1327.D
Acq On : 3 Mar 2012 4:58 pm
Operator : kws
Sample : 100 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 100 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 15:07:42 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

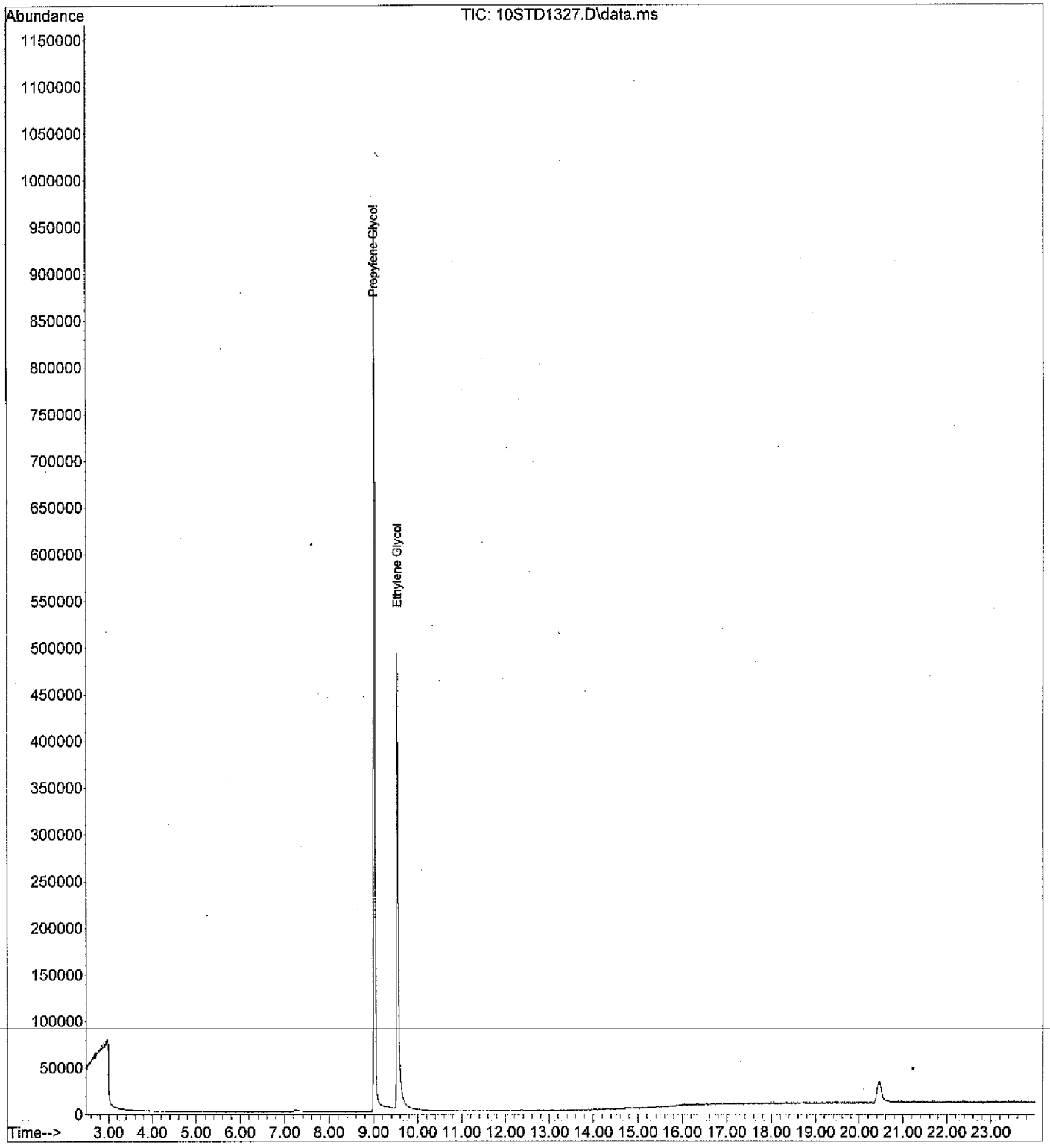
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	1070989	147.53 ug/ml	98
2) Ethylene Glycol	9.531	31	596412	133.81 ug/ml	99

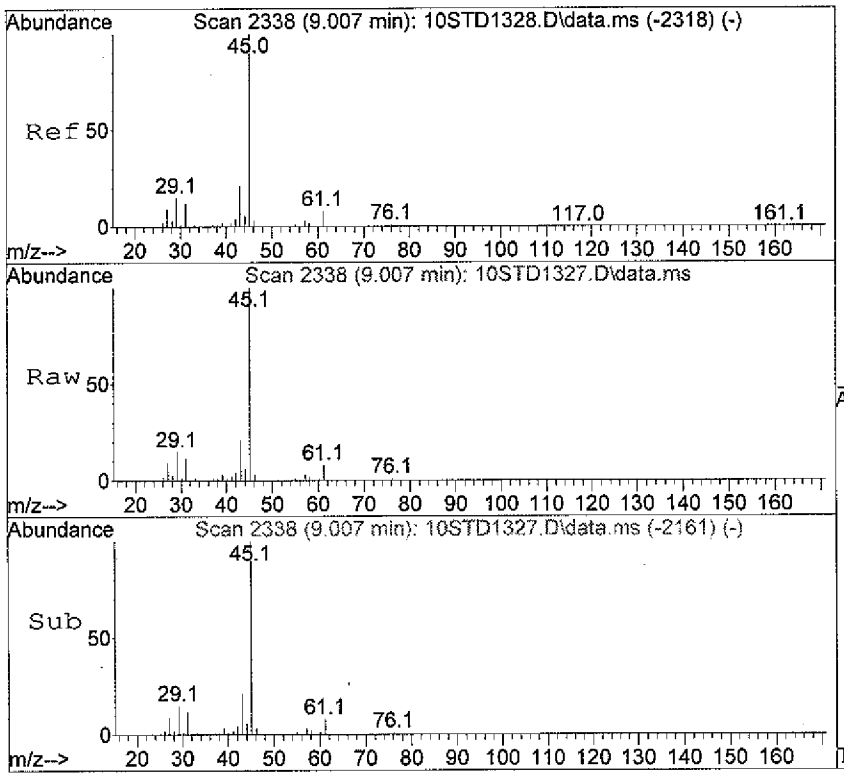
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1327.D
Acq On : 3 Mar 2012 4:58 pm
Operator : kws
Sample : 100 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 100 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 27 15:07:42 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

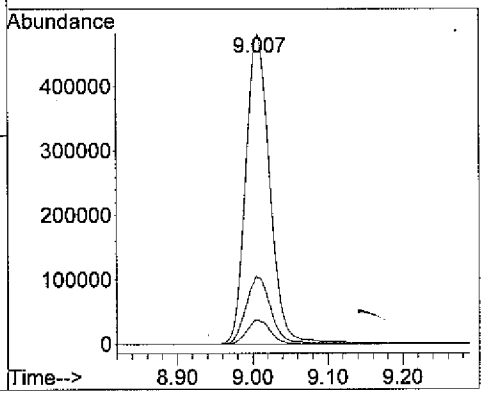


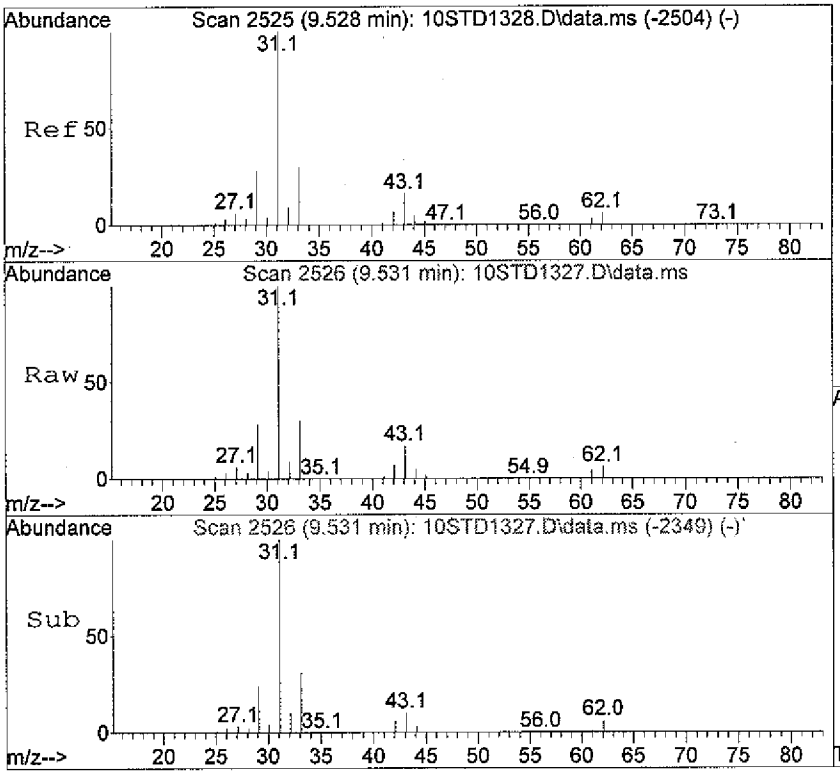


#1
Propylene Glycol
Concen: 147.53 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.005 min
Lab File: 10STD1327.D
Acq: 3 Mar 2012 4:58 pm

Tgt Ion: 45 Resp: 1070989

Ion	Ratio	Lower	Upper
45	100		
43	21.4	14.0	31.2
61	7.9	0.0	16.6

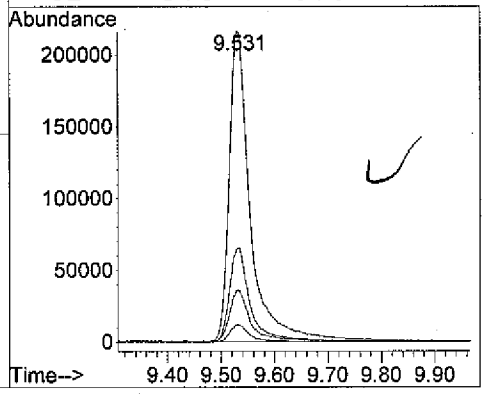




#2
Ethylene Glycol
Concen: 133.81 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1327.D
Acq: 3 Mar 2012 4:58 pm

Tgt Ion: 31 Resp: 596412

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	16.8	7.8	26.0
62	5.5	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1328.D
Acq On : 3 Mar 2012 5:24 pm
Operator : kws
Sample : 150 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 150 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 15:09:07 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

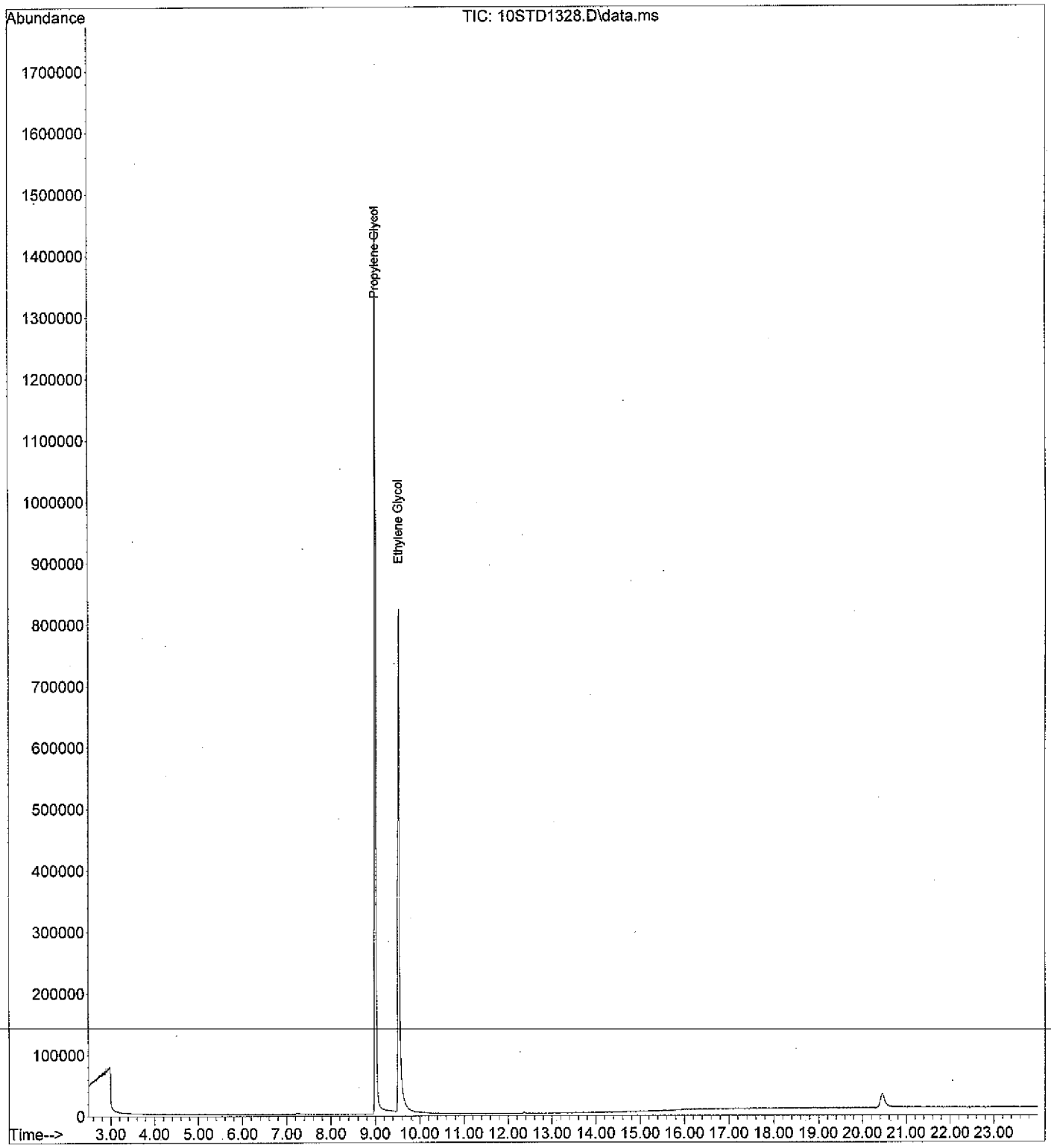
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	1632475	224.88 ug/ml	98
2) Ethylene Glycol	9.531	31	916259	205.57 ug/ml	99

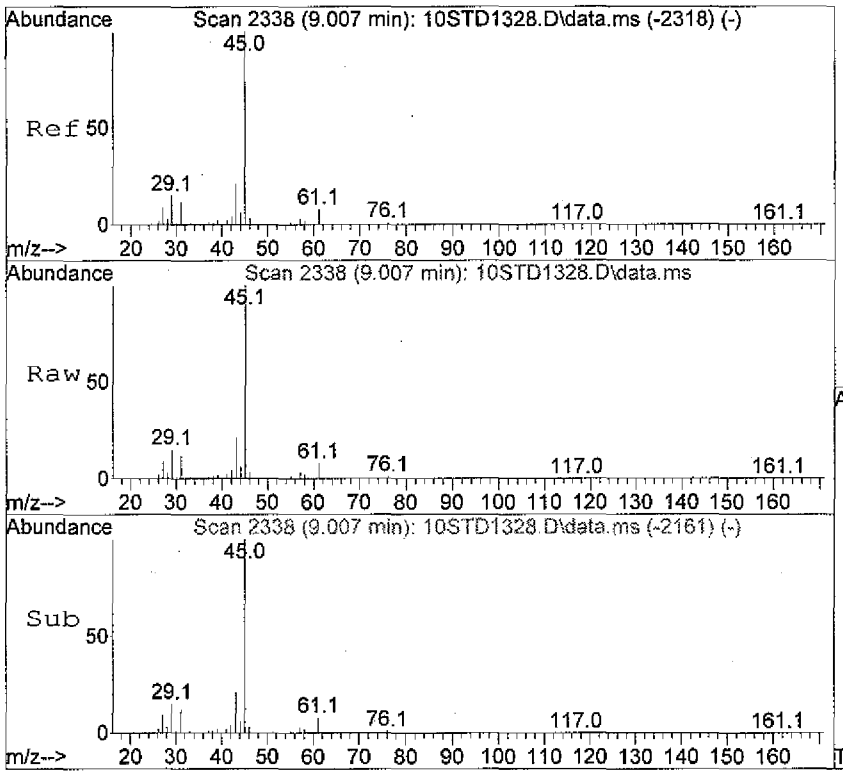
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1328.D
Acq On : 3 Mar 2012 5:24 pm
Operator : kws
Sample : 150 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 150 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 15:09:07 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

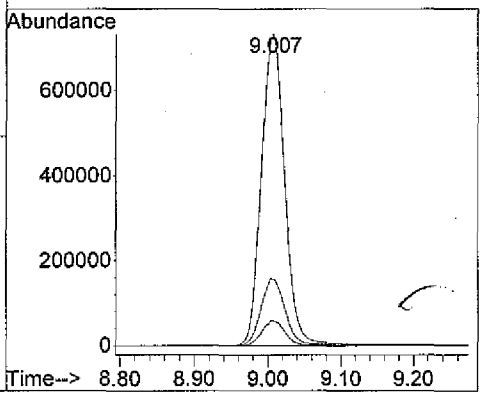


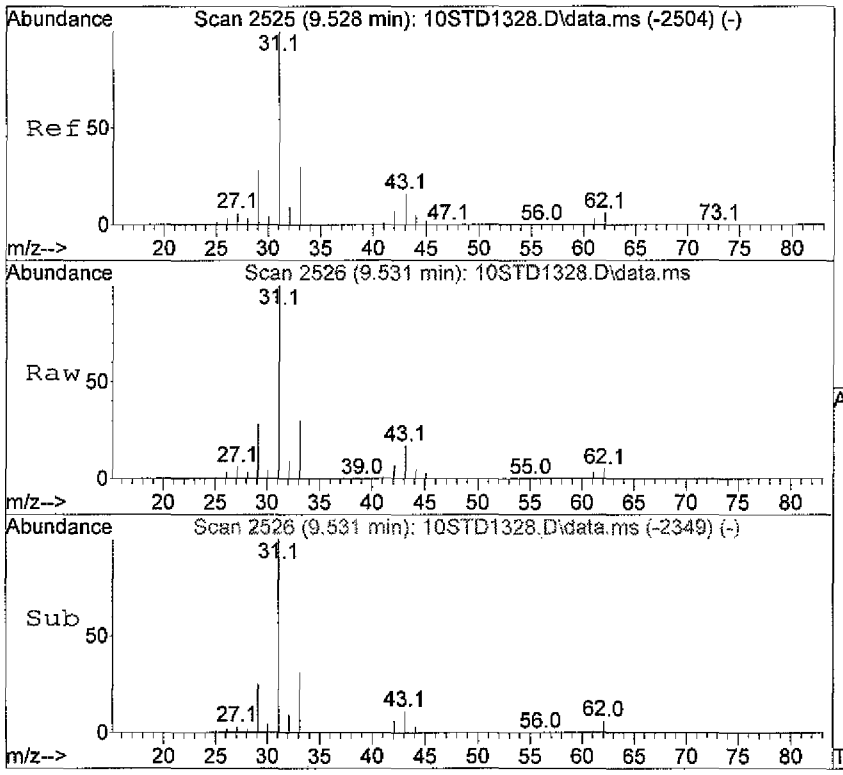


#1
Propylene Glycol
Concen: 224.88 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.005 min
Lab File: 10STD1328.D
Acq: 3 Mar 2012 5:24 pm

Tgt Ion: 45 Resp: 1632475

Ion	Ratio	Lower	Upper
45	100		
43	21.3	14.0	31.2
61	7.9	0.0	16.6

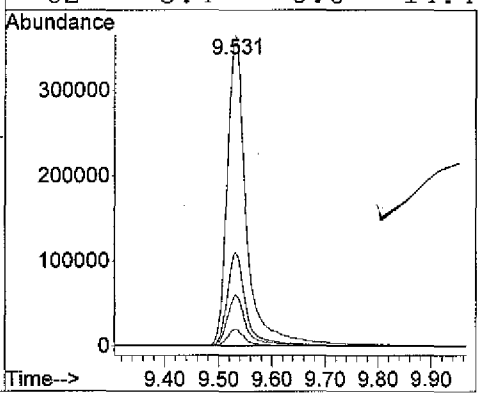




#2
Ethylene Glycol
Concen: 205.57 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1328.D
Acq: 3 Mar 2012 5:24 pm

Tgt Ion: 31 Resp: 916259

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	16.6	7.8	26.0
62	5.4	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1328.D
Acq On : 3 Mar 2012 5:24 pm
Operator : kws
Sample : 150 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 150 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 15:09:07 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

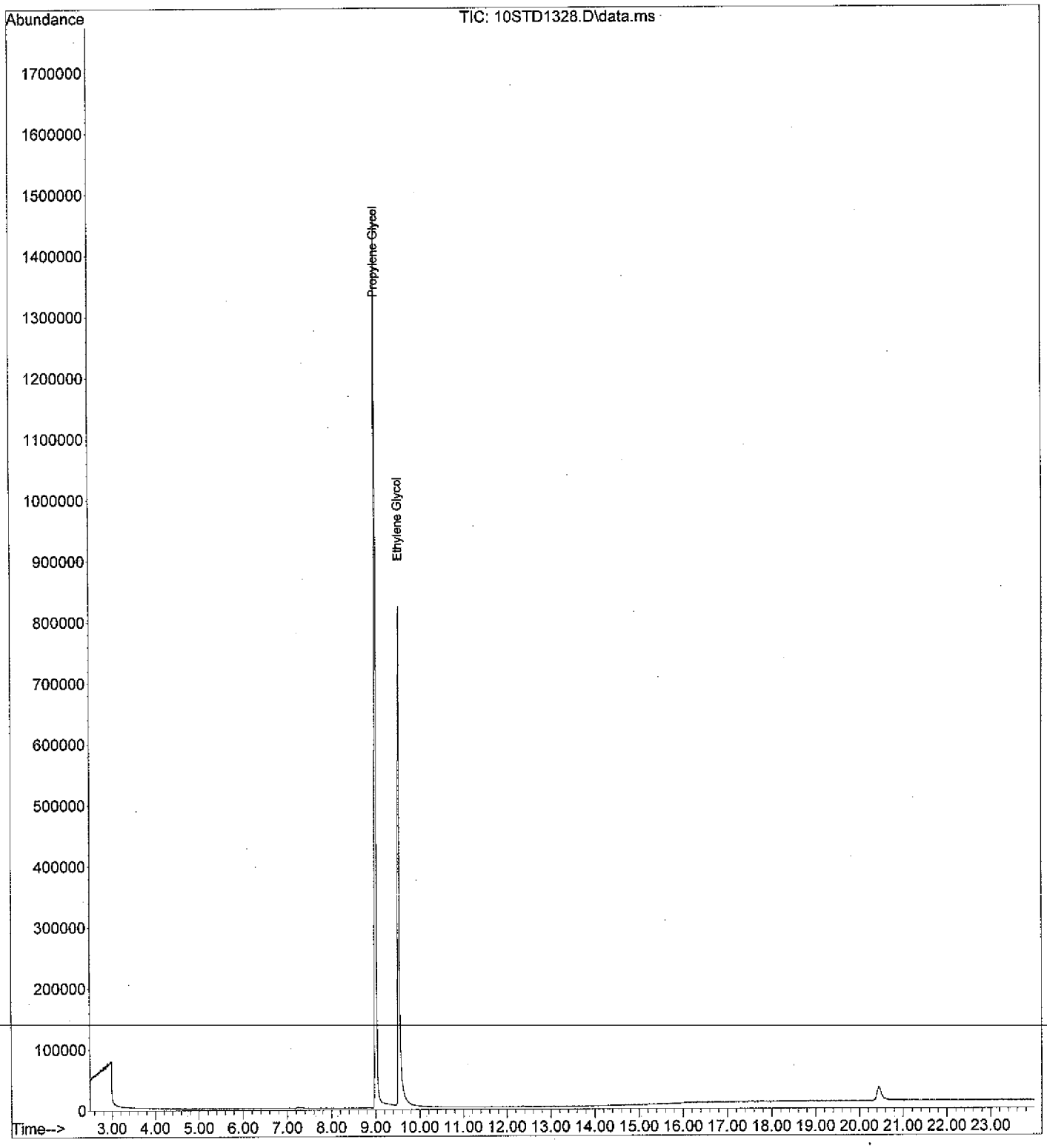
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	1632475	224.88 ug/ml	98
2) Ethylene Glycol	9.531	31	916259	205.57 ug/ml	99

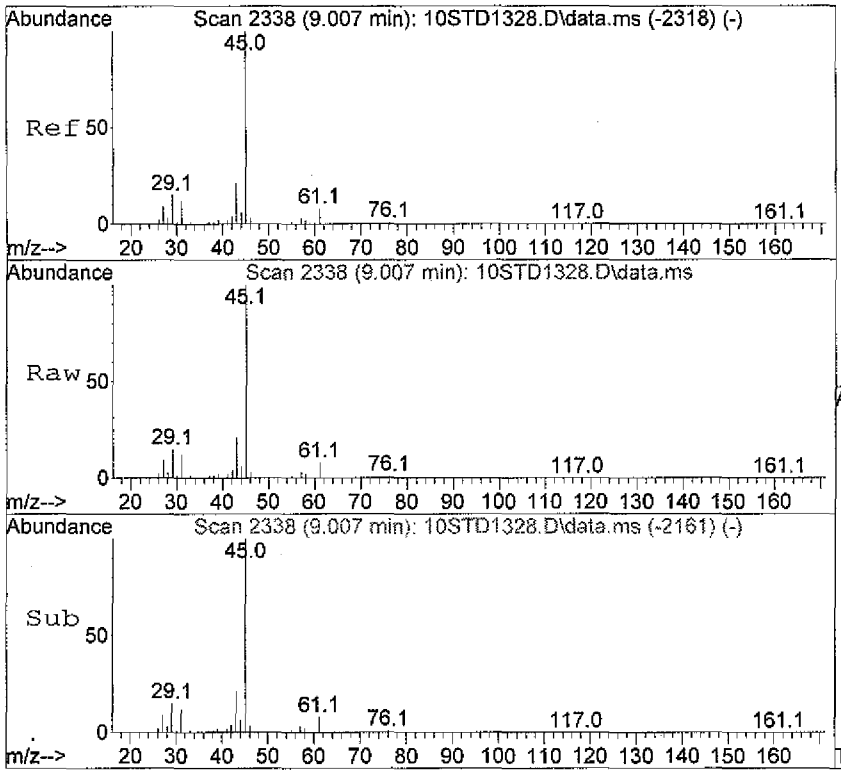
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1328.D
Acq On : 3 Mar 2012 5:24 pm
Operator : kws
Sample : 150 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 150 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 27 15:09:07 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

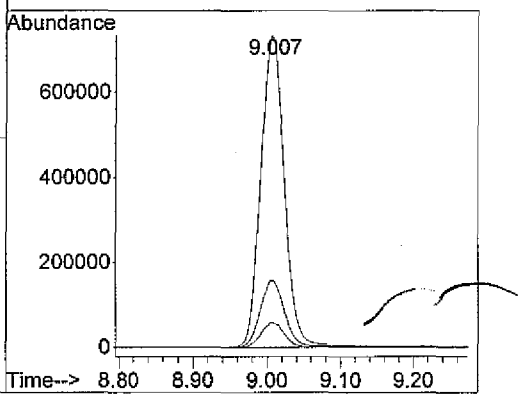


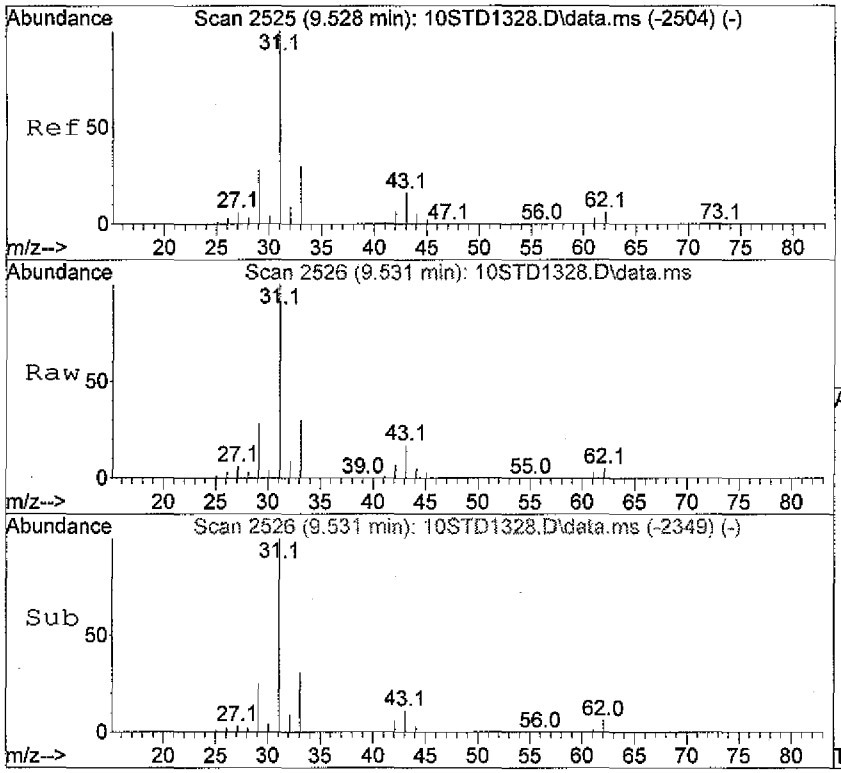


#1
Propylene Glycol
Concen: 224.88 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.005 min
Lab File: 10STD1328.D
Acq: 3 Mar 2012 5:24 pm

Tgt Ion: 45 Resp: 1632475

Ion	Ratio	Lower	Upper
45	100		
43	21.3	14.0	31.2
61	7.9	0.0	16.6

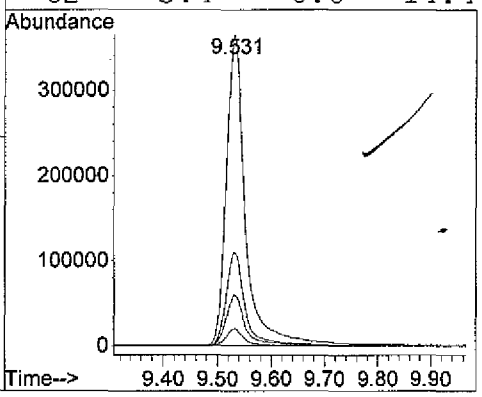




#2
Ethylene Glycol
Concen: 205.57 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1328.D
Acq: 3 Mar 2012 5:24 pm

Tgt Ion: 31 Resp: 916259

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	16.6	7.8	26.0
62	5.4	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1329.D
Acq On : 3 Mar 2012 5:50 pm
Operator : kws
Sample : 200 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 200 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 27 15:09:52 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15:03:49 2012
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.004	45	2150469	296.23	ug/ml	98
2) Ethylene Glycol	9.531	31	1210585	271.61	ug/ml	99

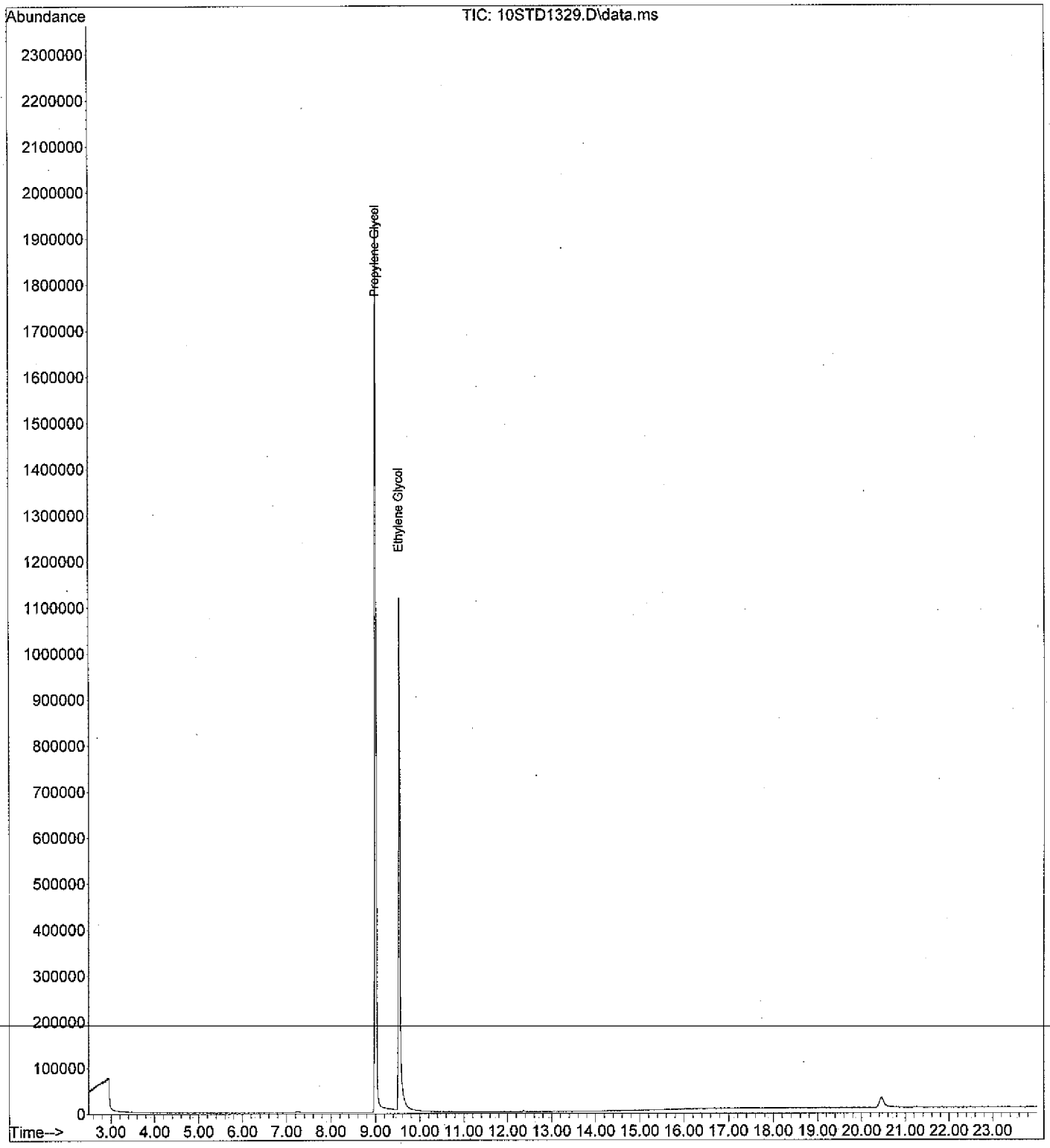
(#) = qualifier out of range (m) = manual integration (+) = signals summed

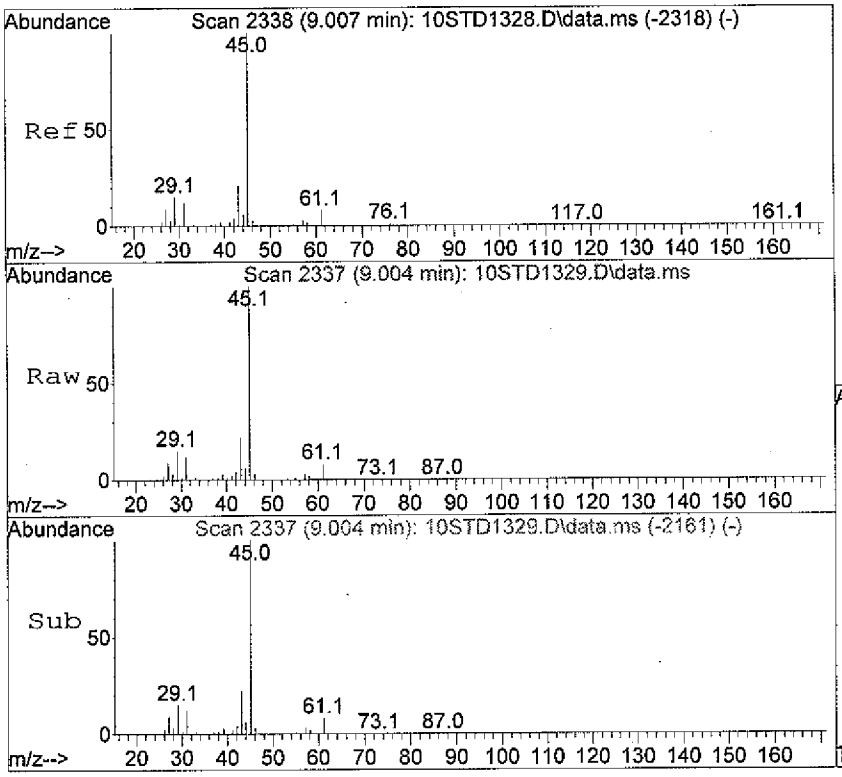
DIM0096205 DIM0096459

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1329.D
Acq On : 3 Mar 2012 5:50 pm
Operator : kws
Sample : 200 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 200 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 27 15:09:52 2012
Quant Method : D:\1\METHODS\GLYCOL120305A.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquTue Mar 27 15
QLast Update : Tue Mar 27 15:03:49 2012
Response via : Initial Calibration

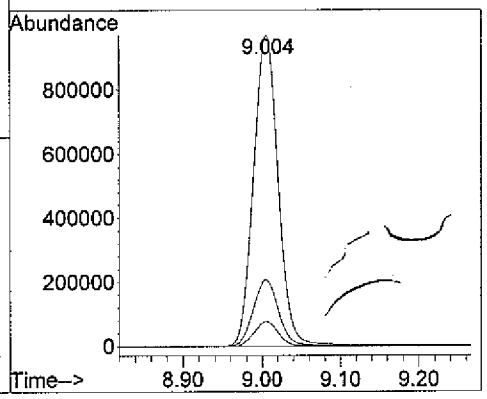


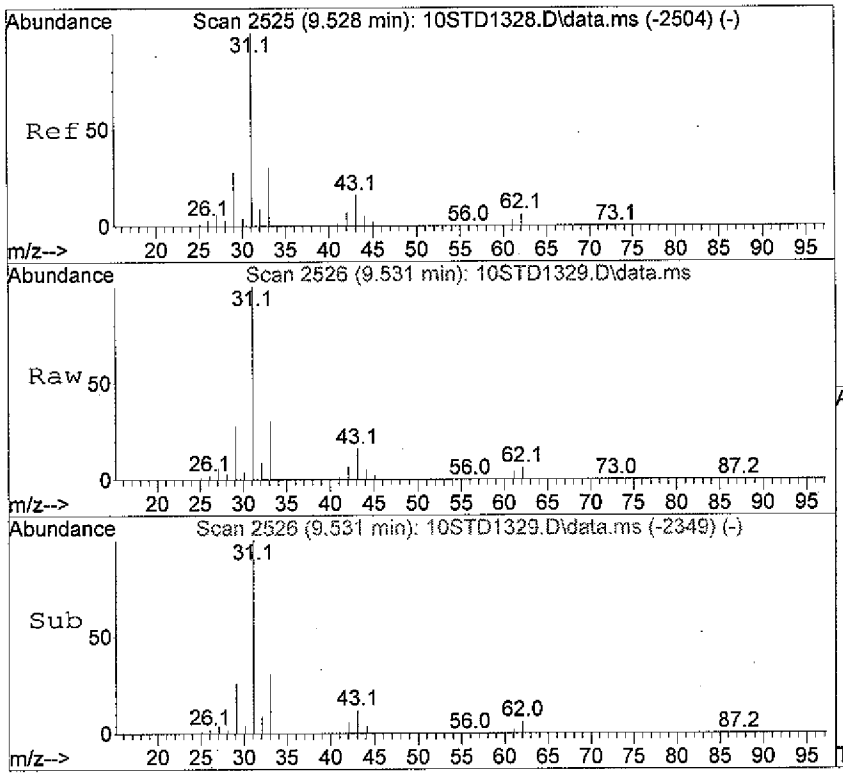


#1
Propylene Glycol
Concen: 296.23 ug/ml
RT: 9.004 min Scan# 2337
Delta R.T. -0.008 min
Lab File: 10STD1329.D
Acq: 3 Mar 2012 5:50 pm

Tgt Ion: 45 Resp: 2150469

Ion	Ratio	Lower	Upper
45	100		
43	21.5	14.0	31.2
61	8.0	0.0	16.6

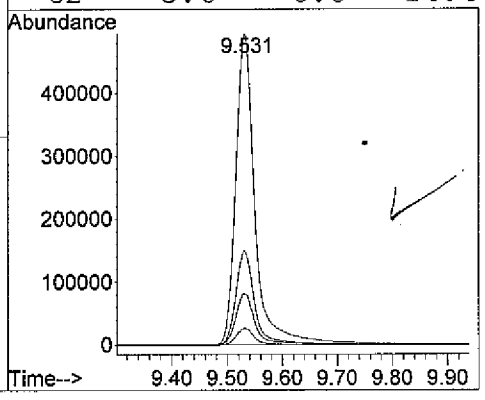




#2
Ethylene Glycol
Concen: 271.61 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1329.D
Acq: 3 Mar 2012 5:50 pm

Tgt Ion: 31 Resp: 1210585

Ion	Ratio	Lower	Upper
31	100		
33	30.5	20.7	38.9
43	16.3	7.8	26.0
62	5.6	0.0	14.4



Response Factor Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
Last Update : Wed Mar 14 11:51:04 2012
Response Via : Initial Calibration

Calibration Files
.50 =10STD1317.D 1.00=10STD1319.D 2.00=10STD1322.D 5.00=10STD1323.D 10.0=10STD1324.D
25 =10STD1325.D 50 =10STD1326.D 100 =10STD1327.D 150 =10STD1328.D 200 =10STD1329.D

	Compound	.50	1.00	2.00	5.00	10.0	25	50	100	150	200	Avg	%RSD
1)	Propylene Glycol	1.042	1.079	0.924	0.775	0.806	0.831	~~0.989~~ 1.041	1.071	1.088	1.075	0.968 E4	12.85
2)	Ethylene Glycol	5.962	5.763	5.082	4.246	4.786	5.256	~~5.635~~ 5.609	5.964	6.108	6.053	5.486 E3	11.38

(#) = Out of Range

0.5, 1.0 & 2.0 include noise in integration

RFs
- Cant be substantiated due to recalc
- need audit trail.

OLD curve

DIM0096462

DIM0096205

KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:27:13 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.099	45 4347	5211m	0.53 ug/ml	
2) Ethylene Glycol	9.573	31 2290	2981m	0.54 ug/ml	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

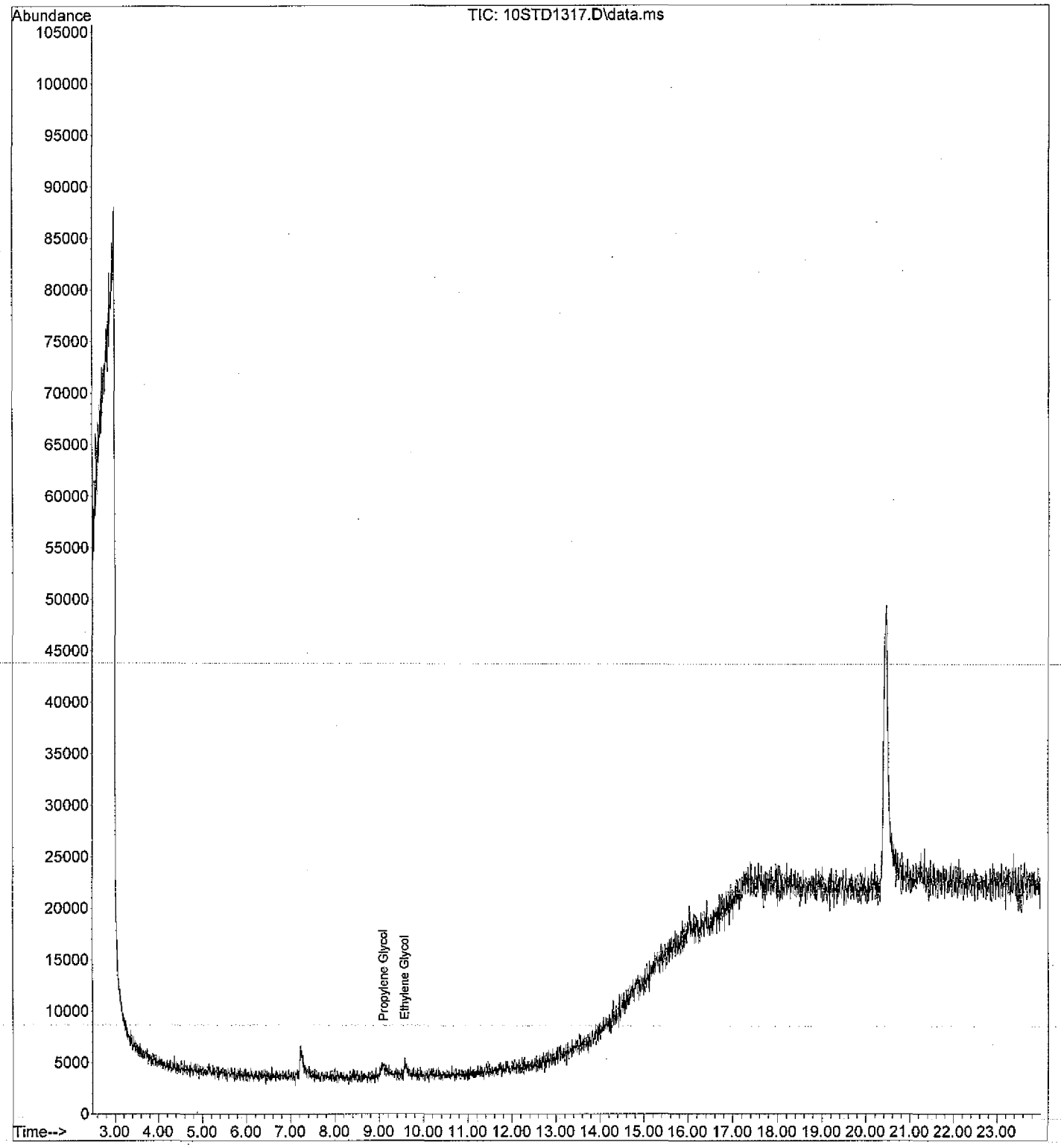
integrations include noise - needs reintegration

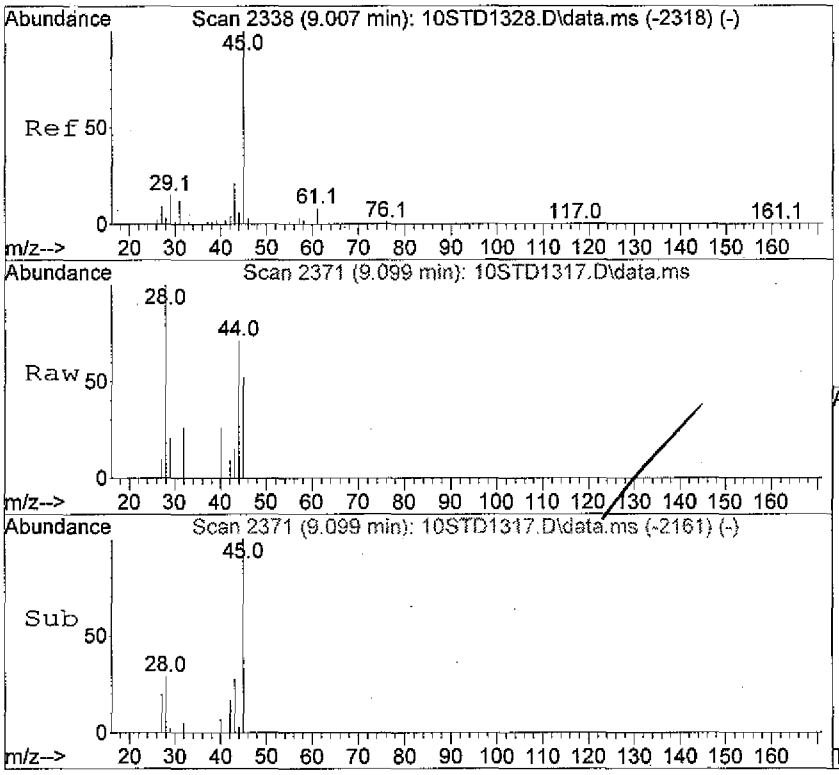
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:27:13 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

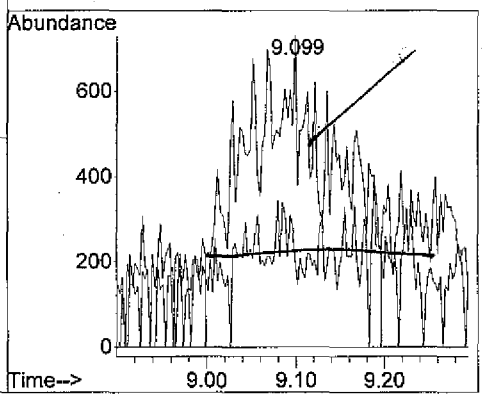


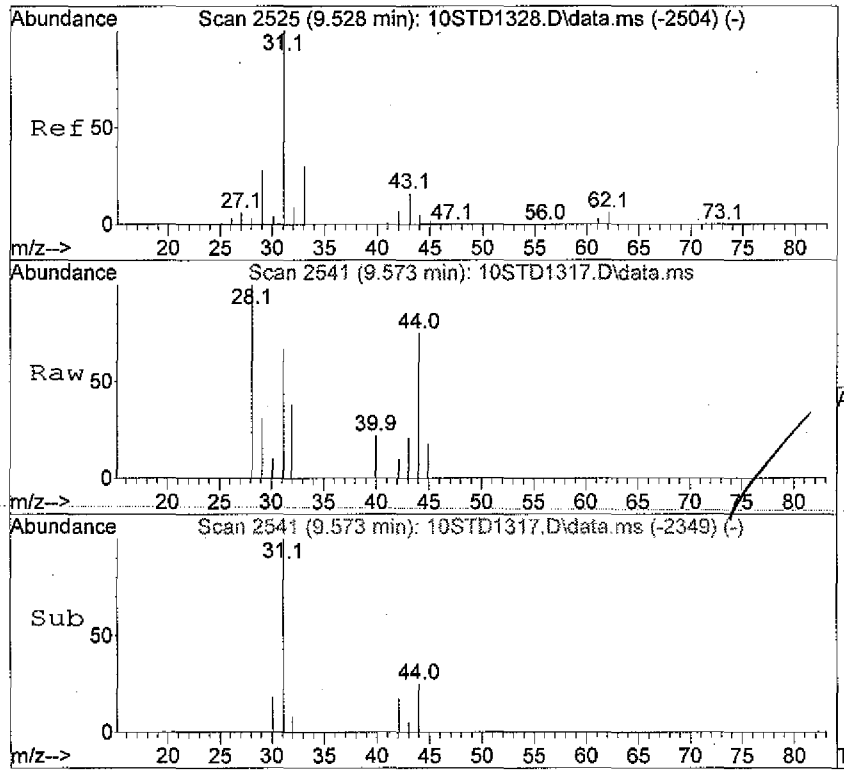


#1
Propylene Glycol
Concen: 0.53 ug/ml m
RT: 9.099 min Scan# 2371
Delta R.T. 0.087 min
Lab File: 10STD1317.D
Acq: 3 Mar 2012 12:36 pm

Tgt Ion: 45 Resp: 5211

Ion	Ratio	Lower	Upper
45	100		
43	28.0	14.0	31.2
61	0.0	0.0	16.6

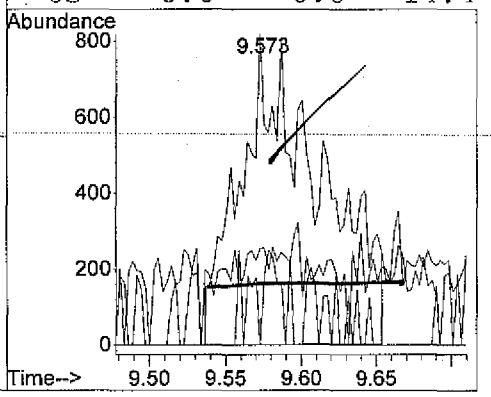




#2
Ethylene Glycol
Concen: 0.54 ug/ml m
RT: 9.573 min Scan# 2541
Delta R.T. 0.036 min
Lab File: 10STD1317.D
Acq: 3 Mar 2012 12:36 pm

Tgt Ion: 31 Resp: 2981

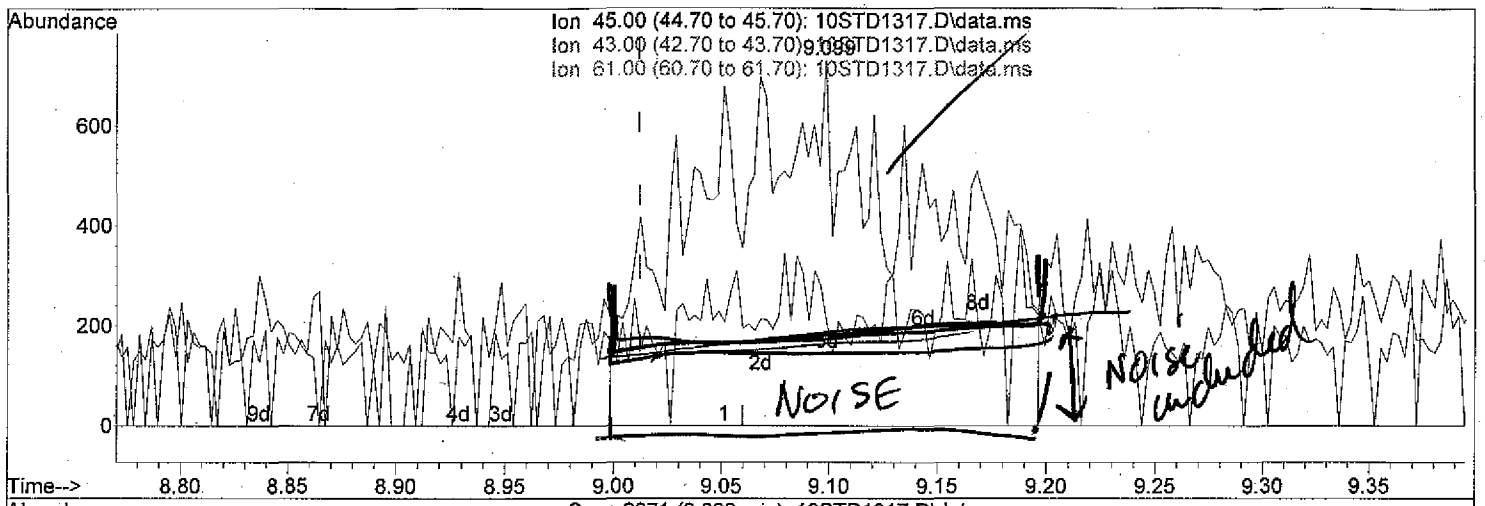
Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	31.1	7.8	26.0#
62	0.0	0.0	14.4

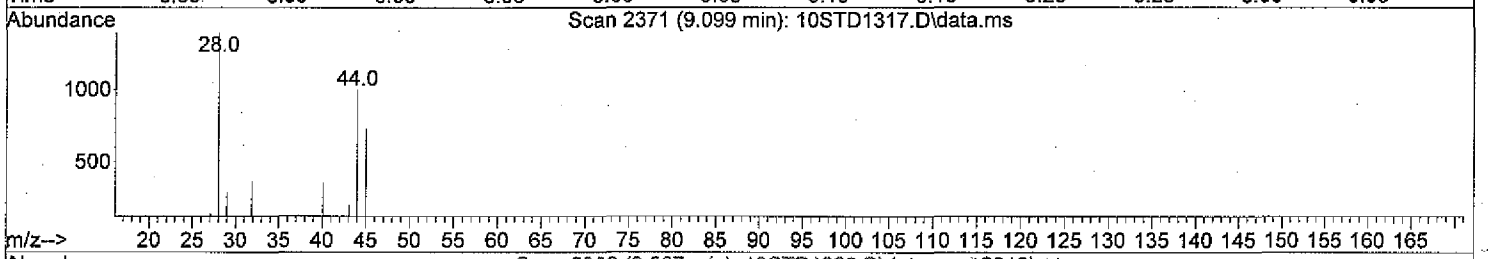


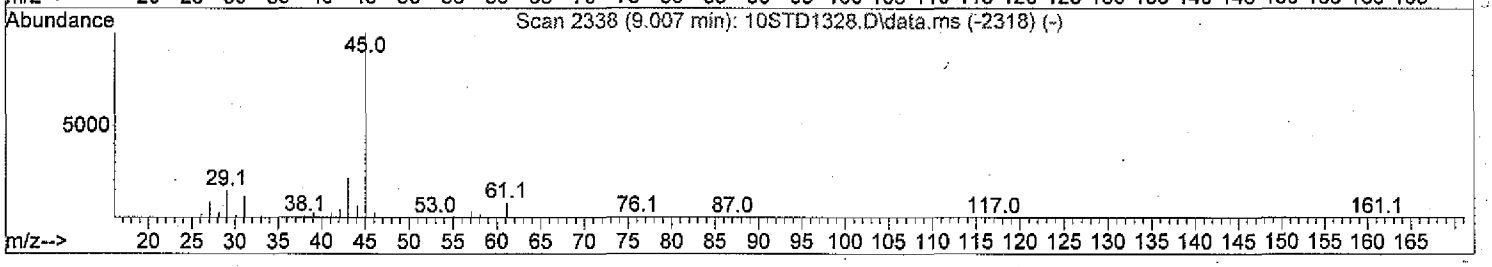
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:26:29 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1317.D\data.ms

(1) Propylene Glycol

9.099min (+0.087) 0.53 ug/mL m

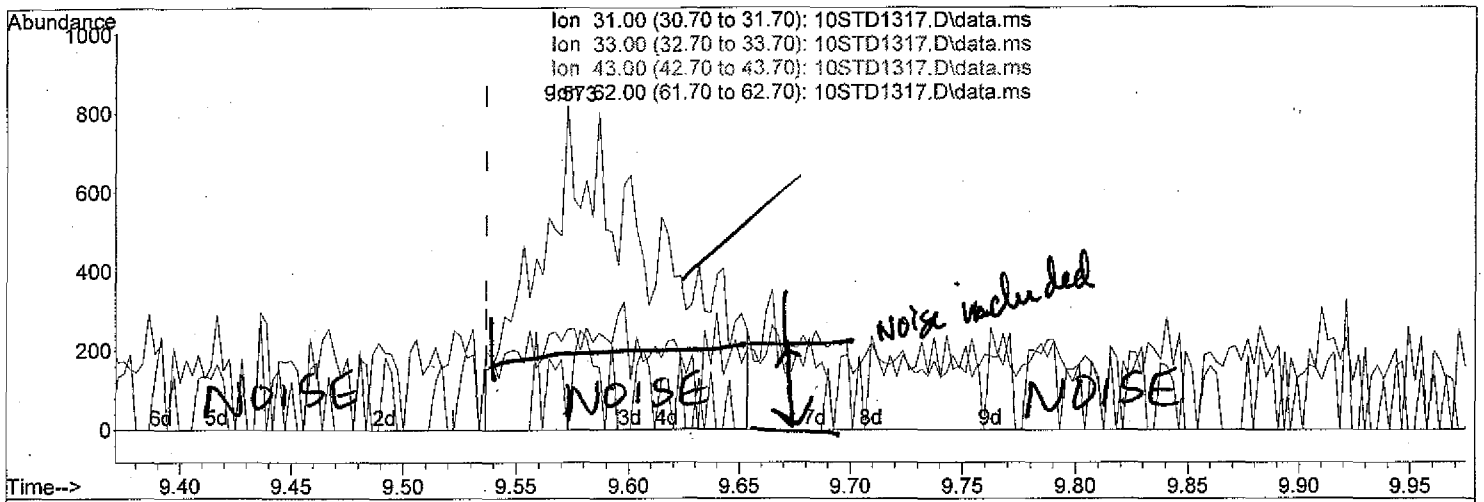
response 5211

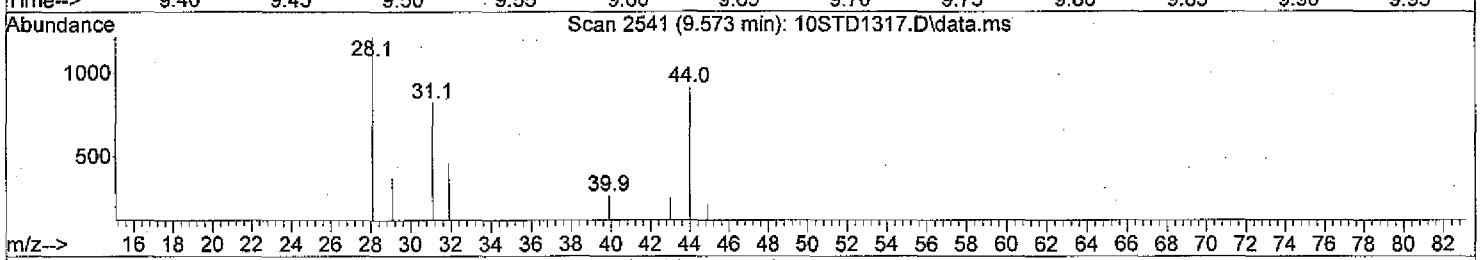
Ion	Exp%	Act%
45.00	100	100
43.00	22.60	28.04
61.00	8.00	0.00
0.00	0.00	0.00

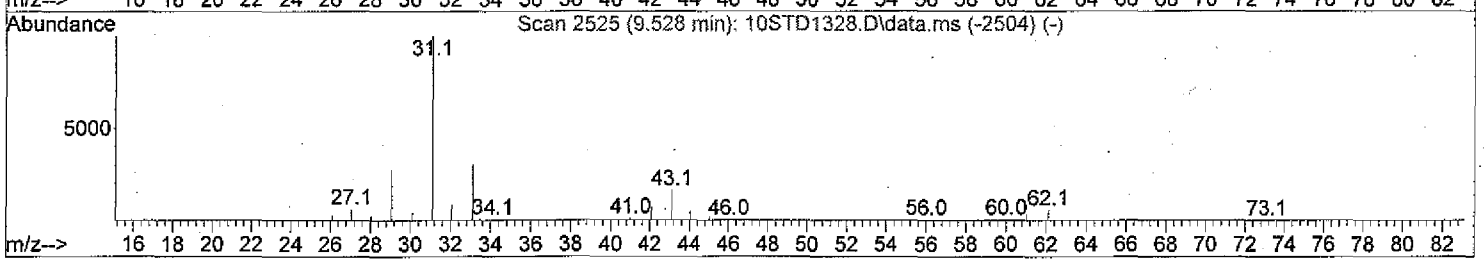
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1317.D
Acq On : 3 Mar 2012 12:36 pm
Operator : kws
Sample : .50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL .50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:26:29 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1317.D\data.ms

(2) Ethylene Glycol

9.573min (+0.036) 0.54 ug/mL m

response 2981

Ion	Exp%	Act%
31.00	100	100
33.00	29.80	0.00#
43.00	16.90	31.05#
62.00	5.30	0.00

KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 14 11:29:23 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.082	45	7325 10793m	1.11 ug/ml	
2) Ethylene Glycol	9.578	31	3645 5768m	1.04 ug/ml	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

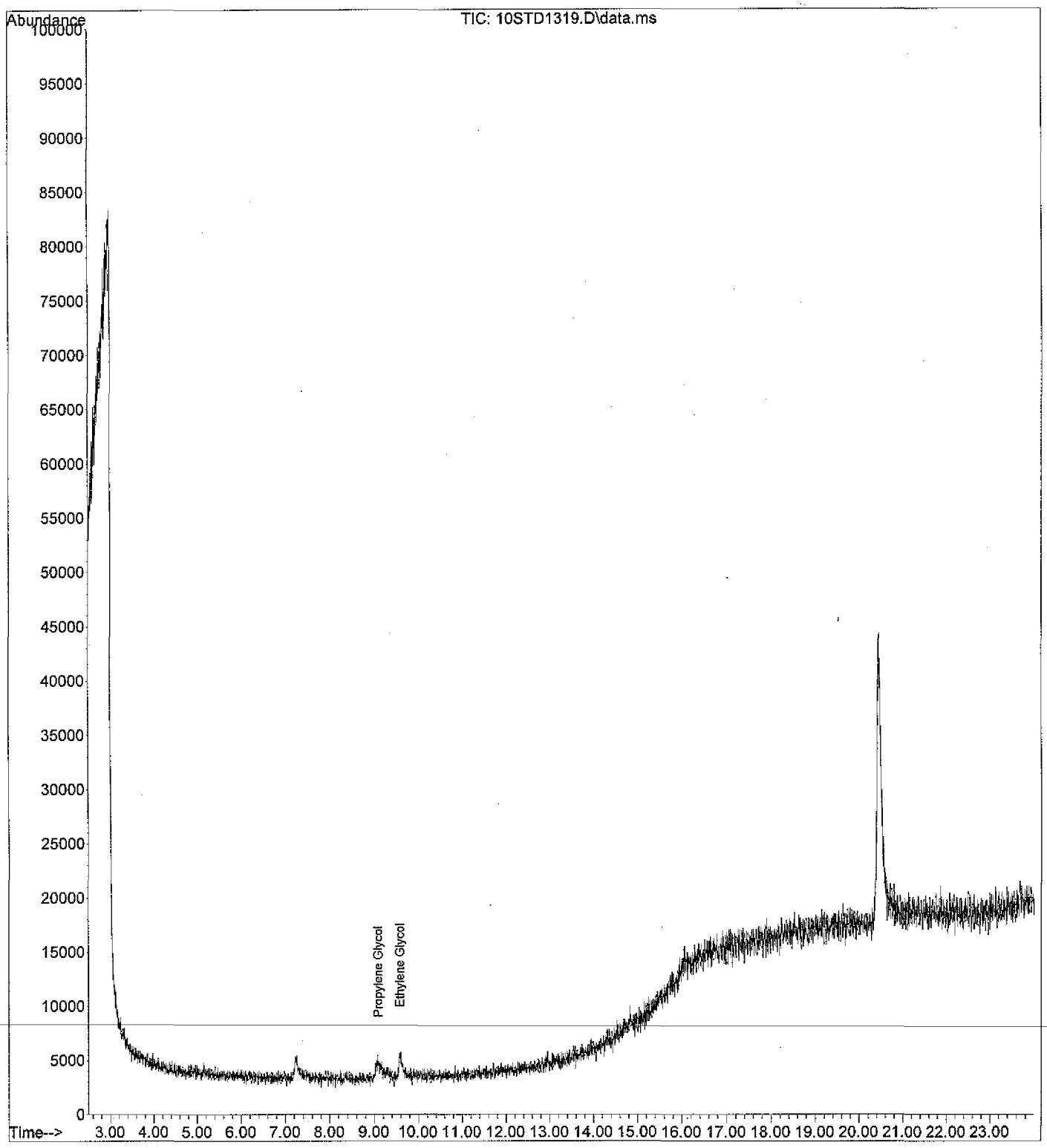
Noise included
reintegrate

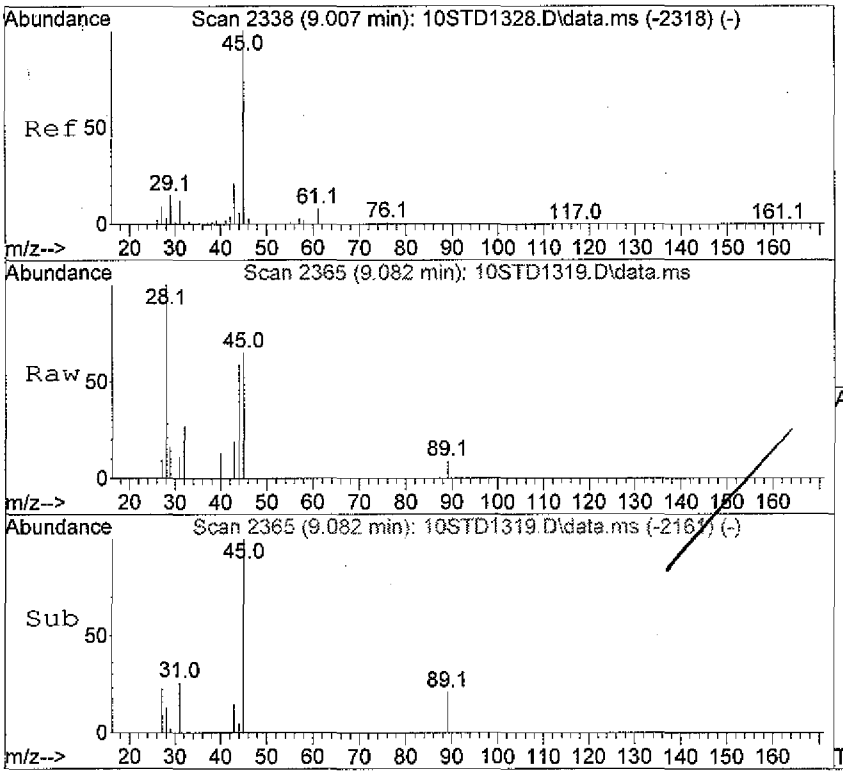
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 14 11:29:23 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

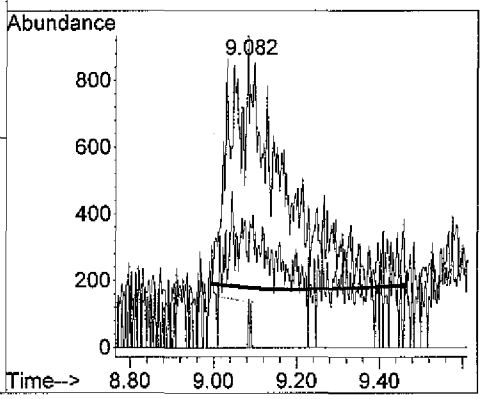


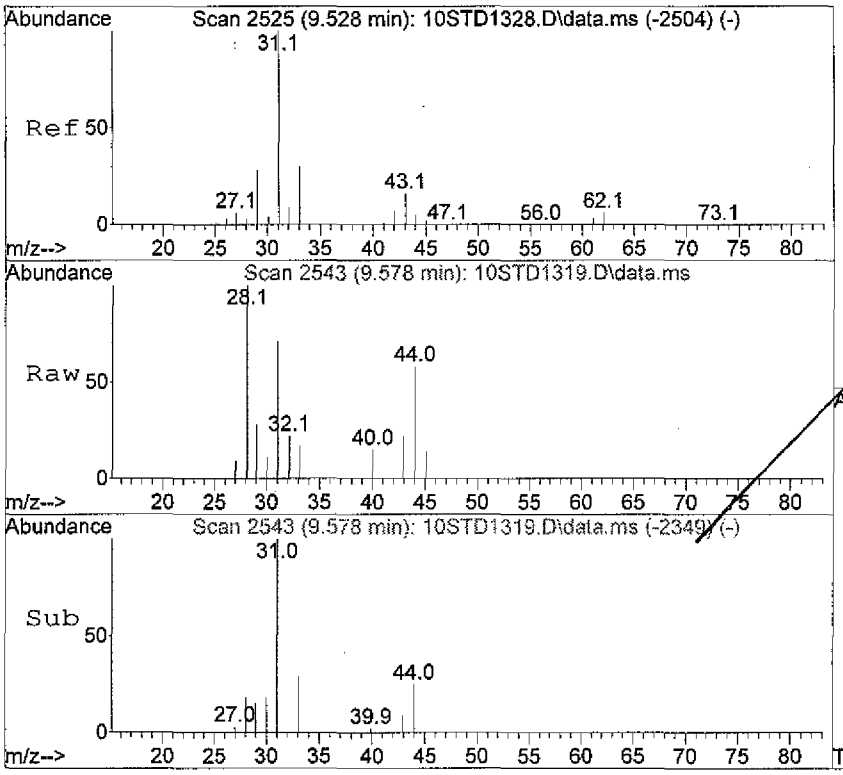


#1
Propylene Glycol
Concen: 1.11 ug/ml m
RT: 9.082 min Scan# 2365
Delta R.T. 0.070 min
Lab File: 10STD1319.D
Acq: 3 Mar 2012 1:28 pm

Tgt Ion: 45 Resp: 10793

Ion	Ratio	Lower	Upper
45	100		
43	28.7	14.0	31.2
61	0.0	0.0	16.6

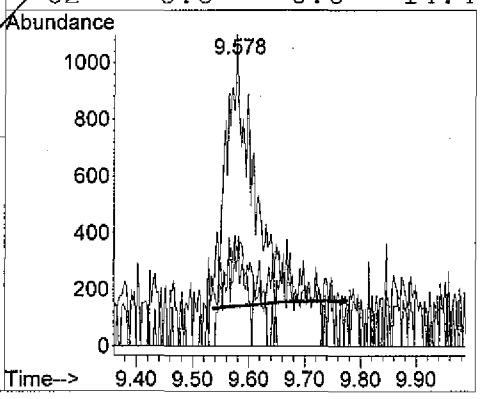




#2
Ethylene Glycol
Concen: 1.04 ug/ml m
RT: 9.578 min Scan# 2543
Delta R.T. 0.041 min
Lab File: 10STD1319.D
Acq: 3 Mar 2012 1:28 pm

Tgt Ion: 31 Resp: 5763

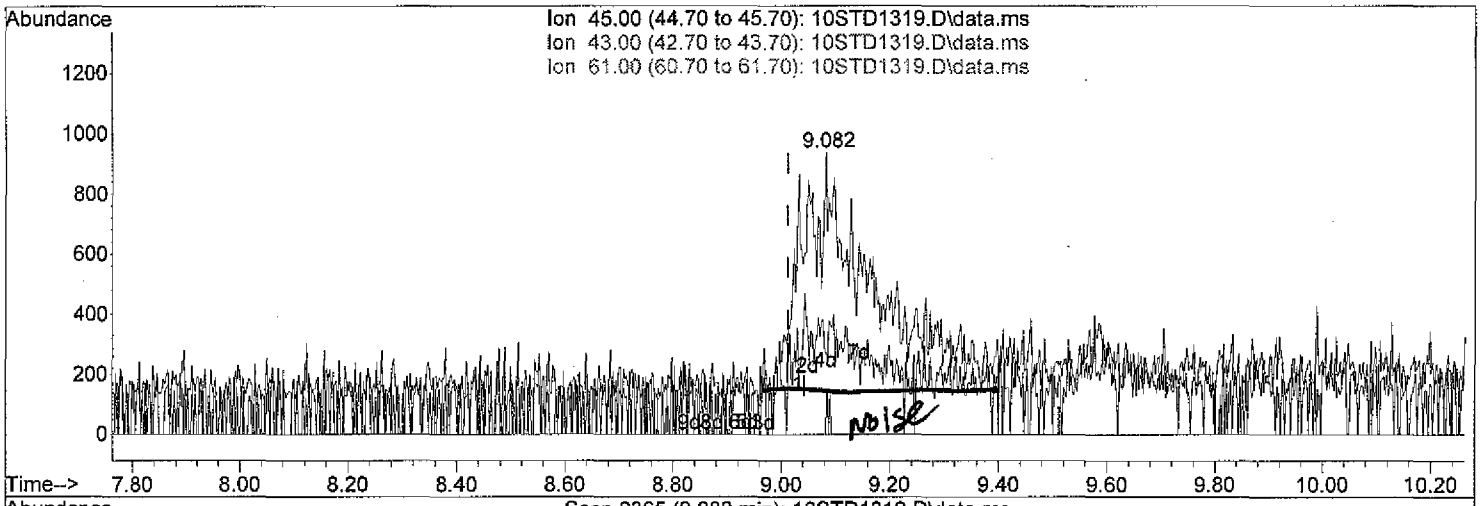
Ion	Ratio	Lower	Upper
31	100		
33	24.0	20.7	38.9
43	30.8	7.8	26.0#
62	0.0	0.0	14.4

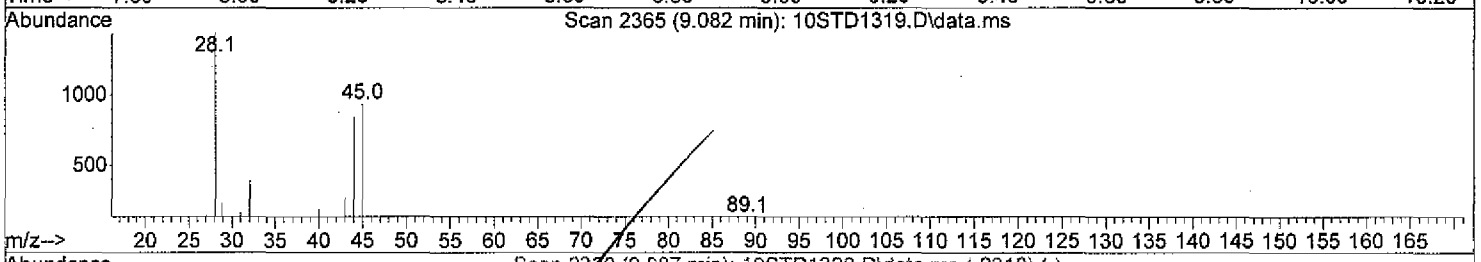


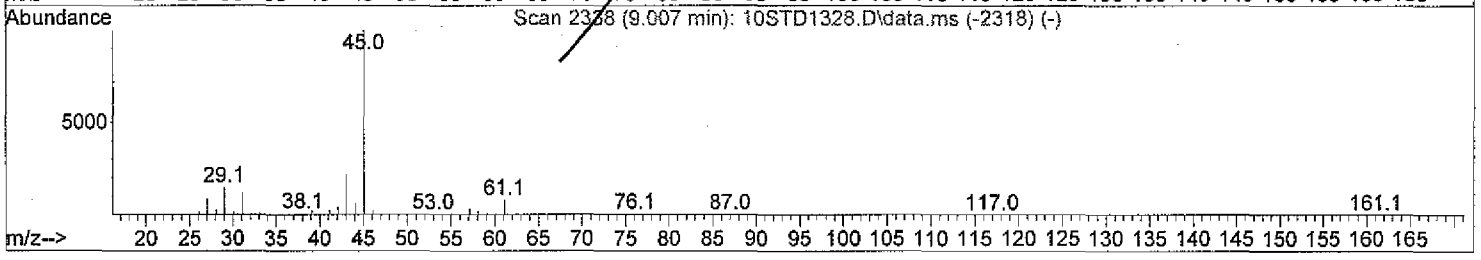
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 14 11:28:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1319.D\data.ms

(1) Propylene Glycol

9.082min (+0.070) 1.11 ug/mL m

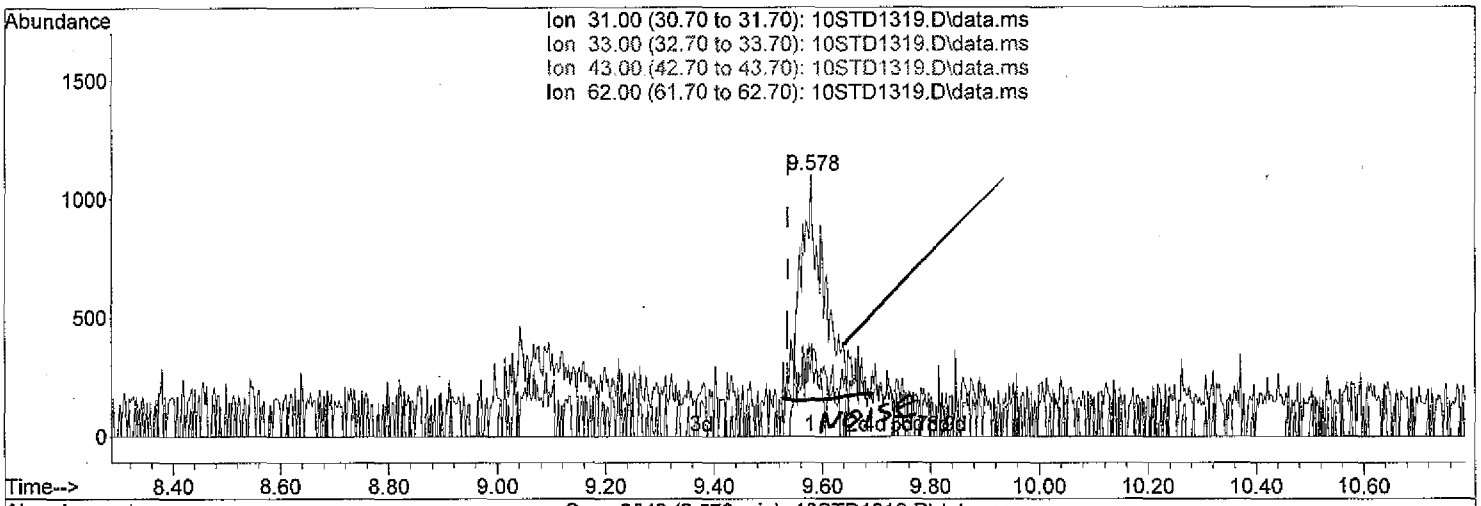
response 10793

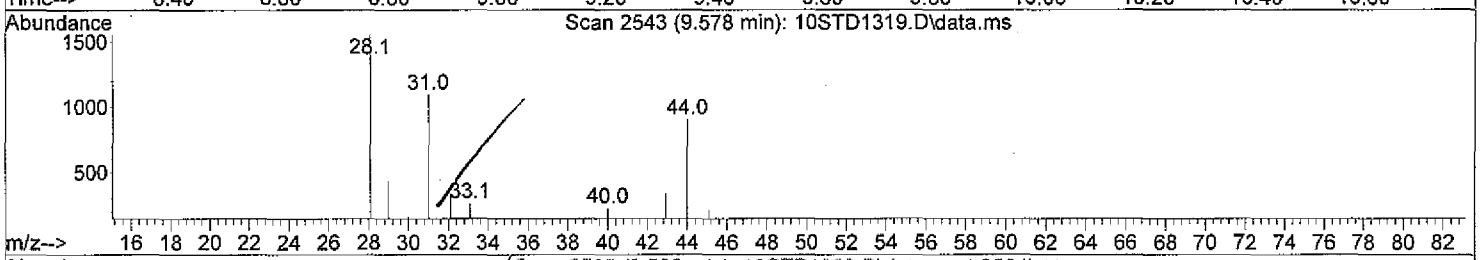
Ion	Exp%	Act%
45.00	100	100
43.00	22.60	28.66
61.00	8.00	0.00
0.00	0.00	0.00

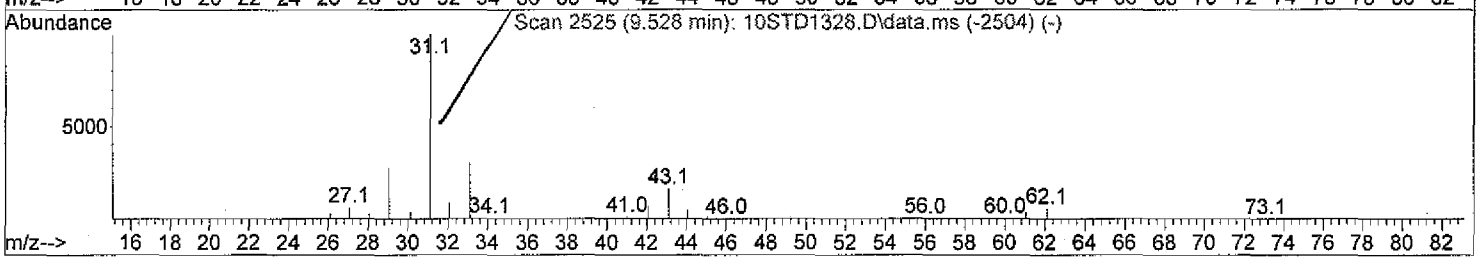
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1319.D
Acq On : 3 Mar 2012 1:28 pm
Operator : kws
Sample : 1 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 1 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 14 11:28:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1319.D\data.ms

(2) Ethylene Glycol

9.578min (+0.041) 1.04 ug/mL

response 5763

Ion	Exp%	Act%
31.00	100	100
33.00	29.80	24.02
43.00	16.90	30.85#
62.00	5.30	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 14 11:31:16 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.054	45	18471m	1.90 ug/ml	
2) Ethylene Glycol	9.575	31	10164m	1.83 ug/ml	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

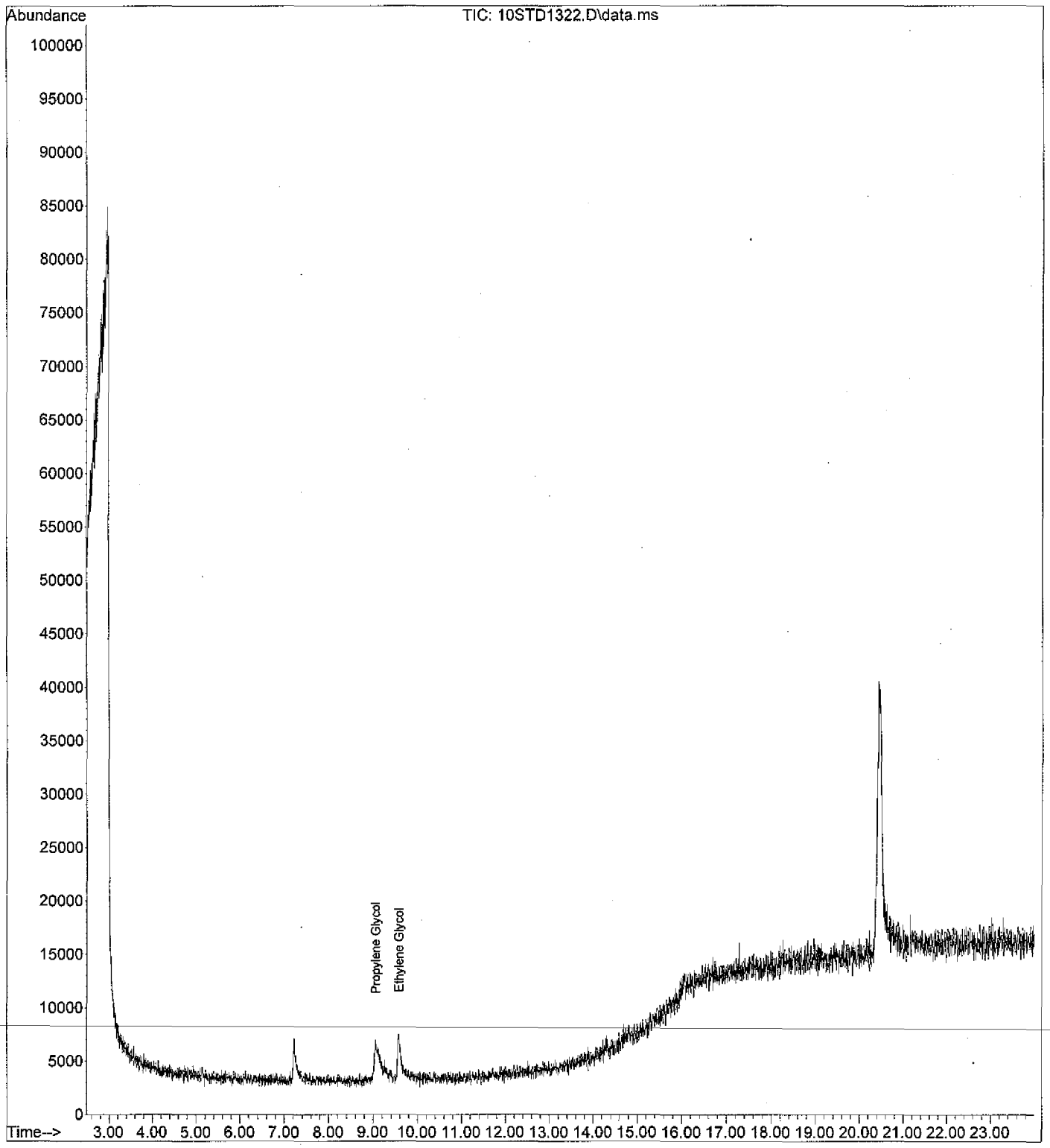
Noise included

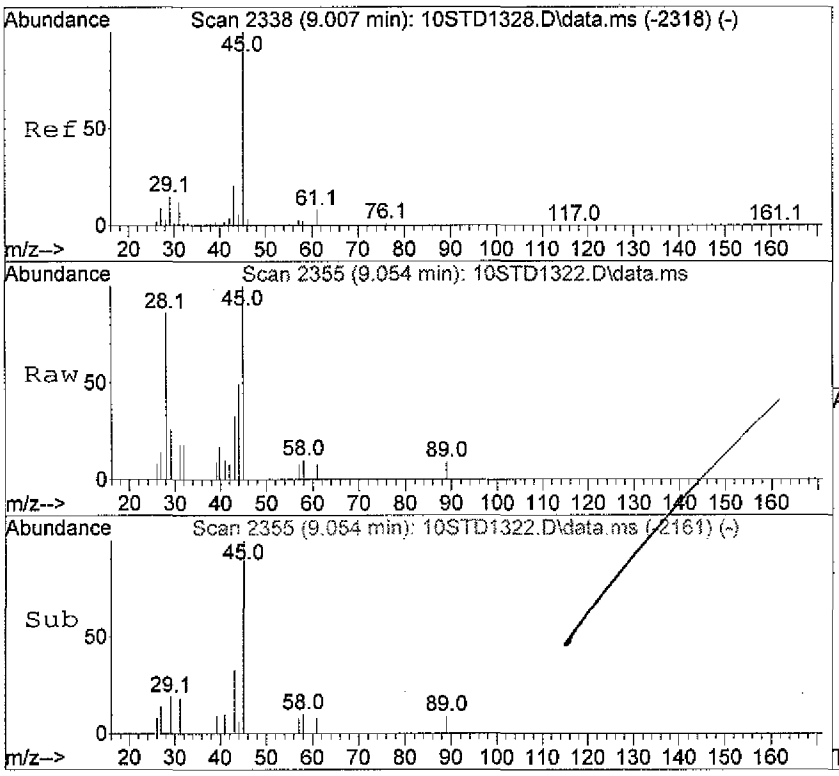
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 14 11:31:16 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

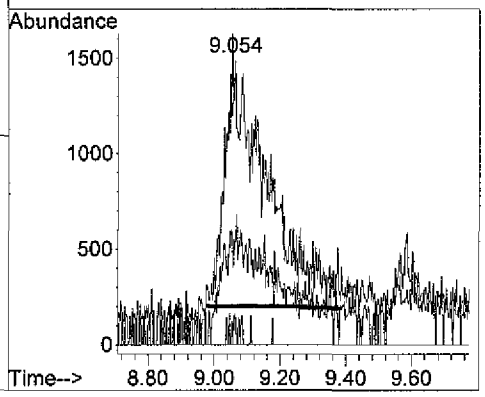


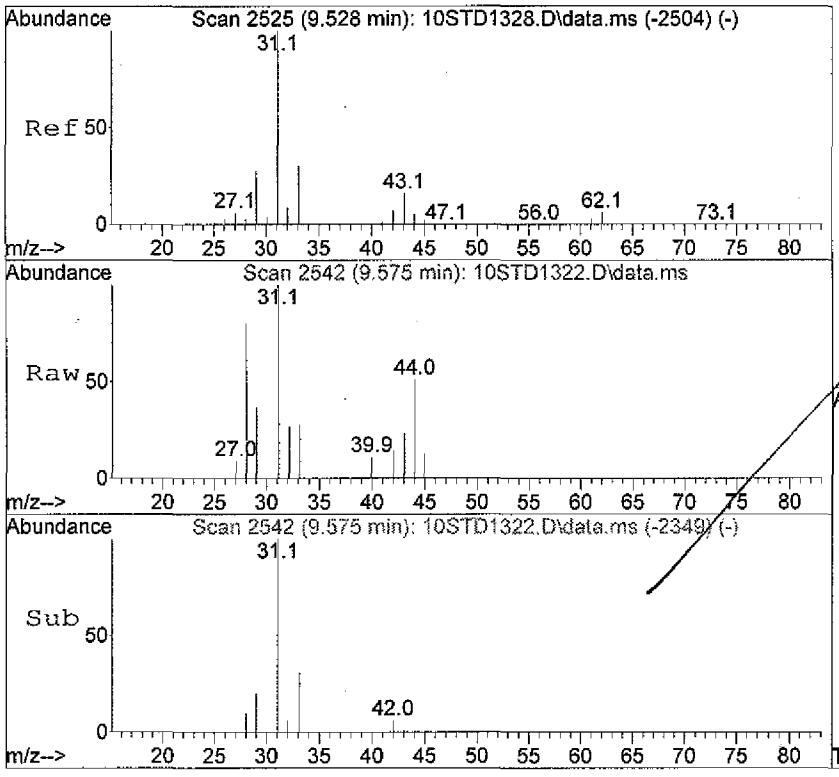


#1
Propylene Glycol
Concen: 1.90 ug/ml m
RT: 9.054 min Scan# 2355
Delta R.T. 0.042 min
Lab File: 10STD1322.D
Acq: 3 Mar 2012 2:47 pm

Tgt Ion: 45 Resp: 18471

Ion	Ratio	Lower	Upper
45	100		
43	32.6	14.0	31.2#
61	7.6	0.0	16.6

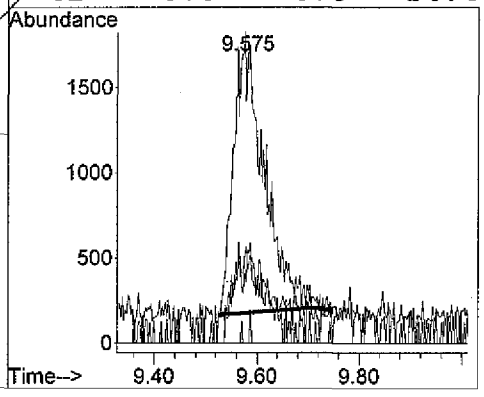




#2
Ethylene Glycol
Concen: 1.83 ug/ml m
RT: 9.575 min Scan# 2542
Delta R.T. 0.038 min
Lab File: 10STD1322.D
Acq: 3 Mar 2012 2:47 pm

Tgt Ion: 31 Resp: 10164

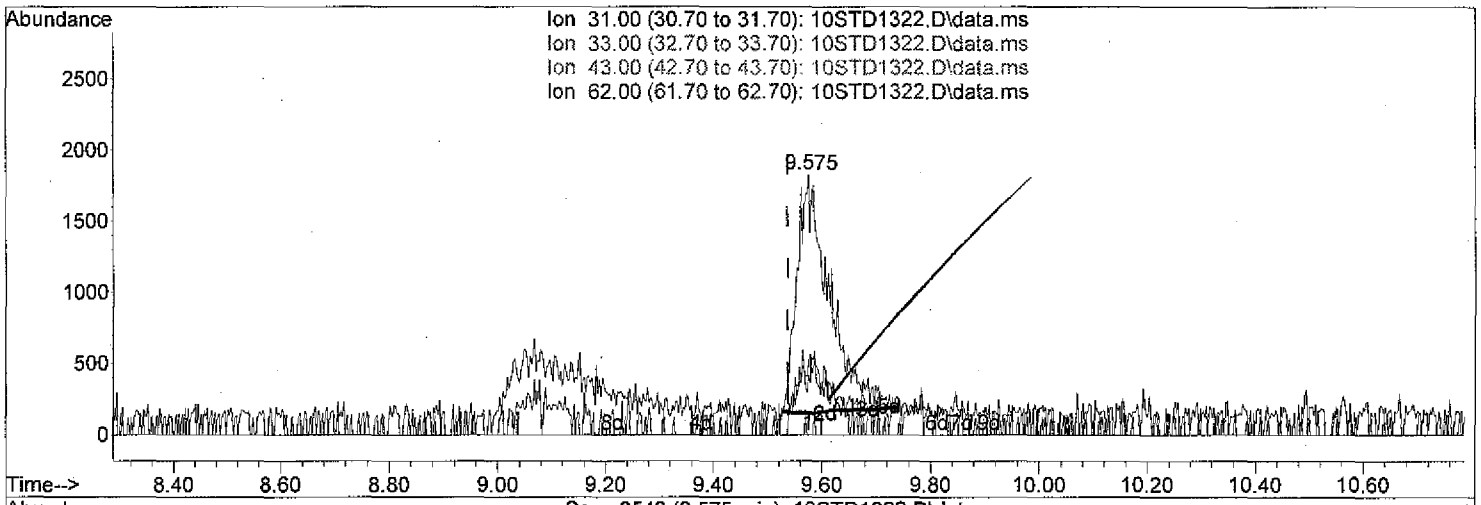
Ion	Ratio	Lower	Upper
31	100		
33	27.7	20.7	38.9
43	22.6	7.8	26.0
62	0.0	0.0	14.4

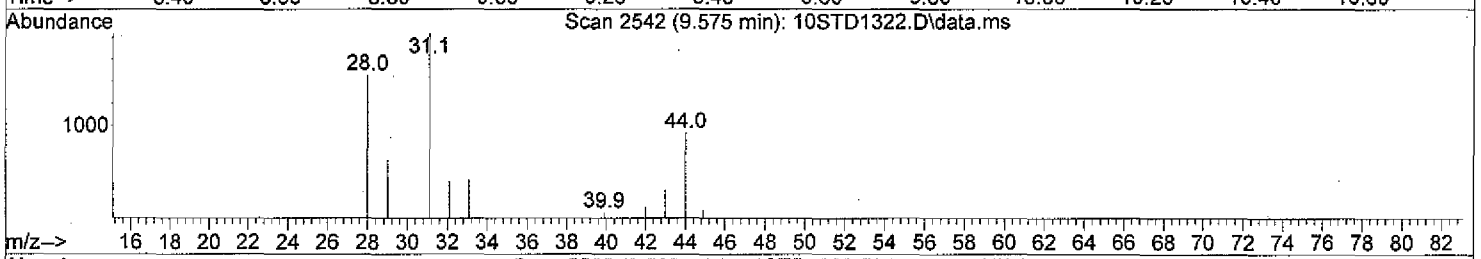


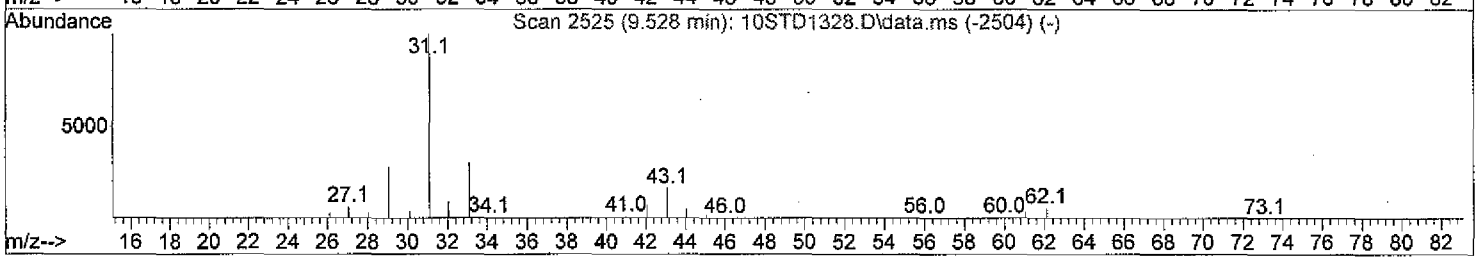
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 14 11:30:54 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1322.D\data.ms

(2) Ethylene Glycol

9.575min (+0.038) 1.83 ug/m/m

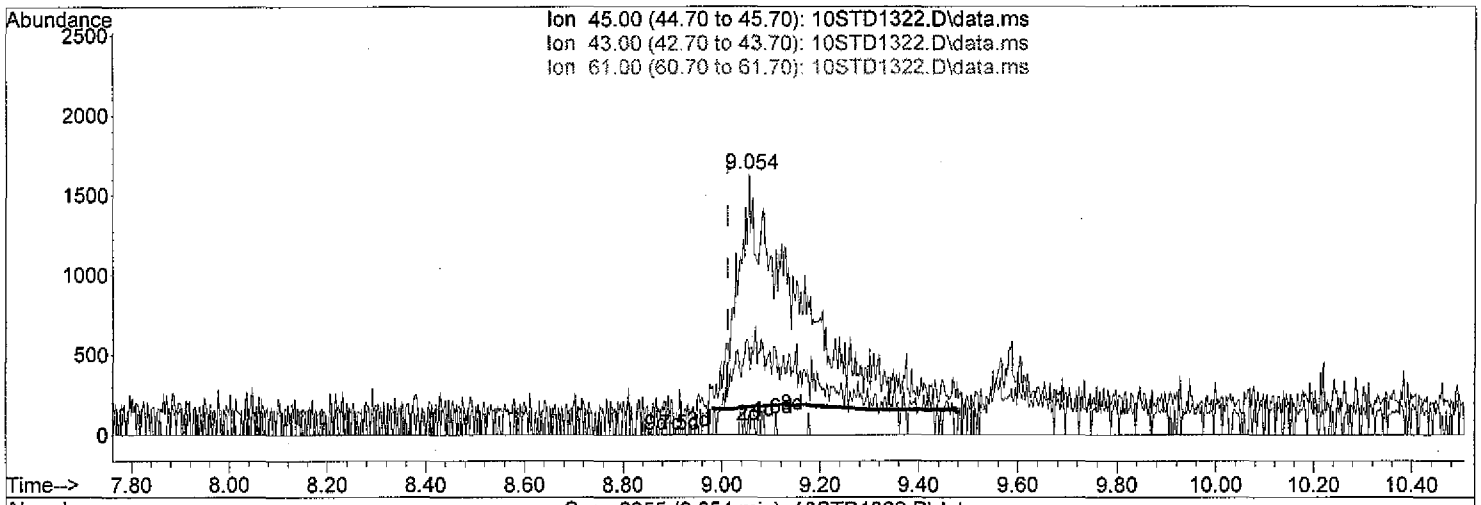
response 10164

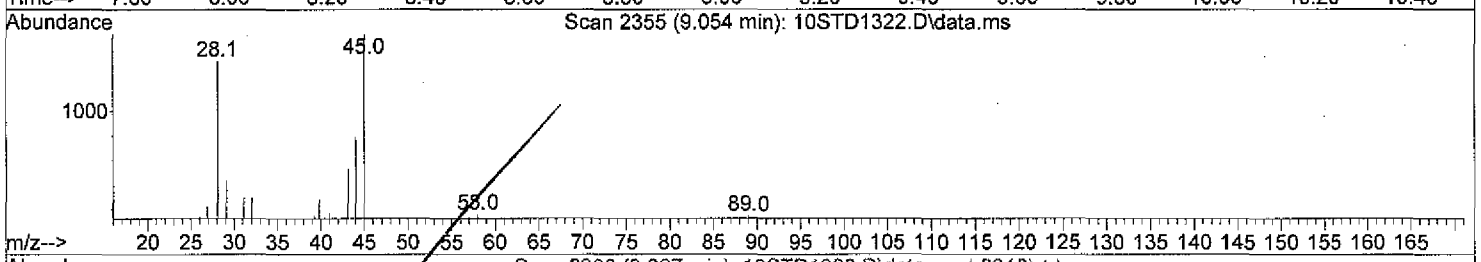
Ion	Exp%	Act%
31.00	100	100
33.00	29.80	27.70
43.00	16.90	22.61
62.00	5.30	0.00

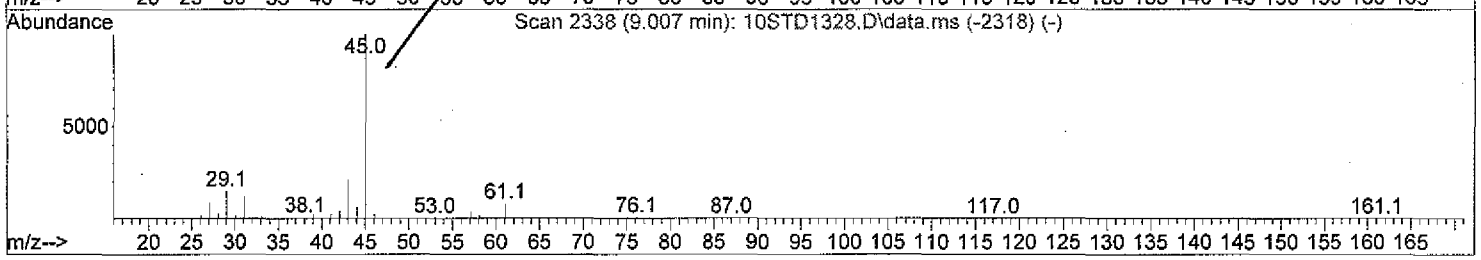
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1322.D
Acq On : 3 Mar 2012 2:47 pm
Operator : kws
Sample : 2 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 2 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 14 11:30:54 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1322.D\data.ms

(1) Propylene Glycol

9.054min (+0.042) 1.90 ug/m(m)

response 18471

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	32.60#
61.00	8.00	7.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1323.D
Acq On : 3 Mar 2012 3:13 pm
Operator : kws
Sample : 5 µg/mL E/P glycol std Inst : Betty
Misc : ~~1 µL~~ 5 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 14 11:33:35 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.043	45	3874(m)	3.98	ug/ml	
2) Ethylene Glycol	9.570	31	21229	3.81	ug/ml	98

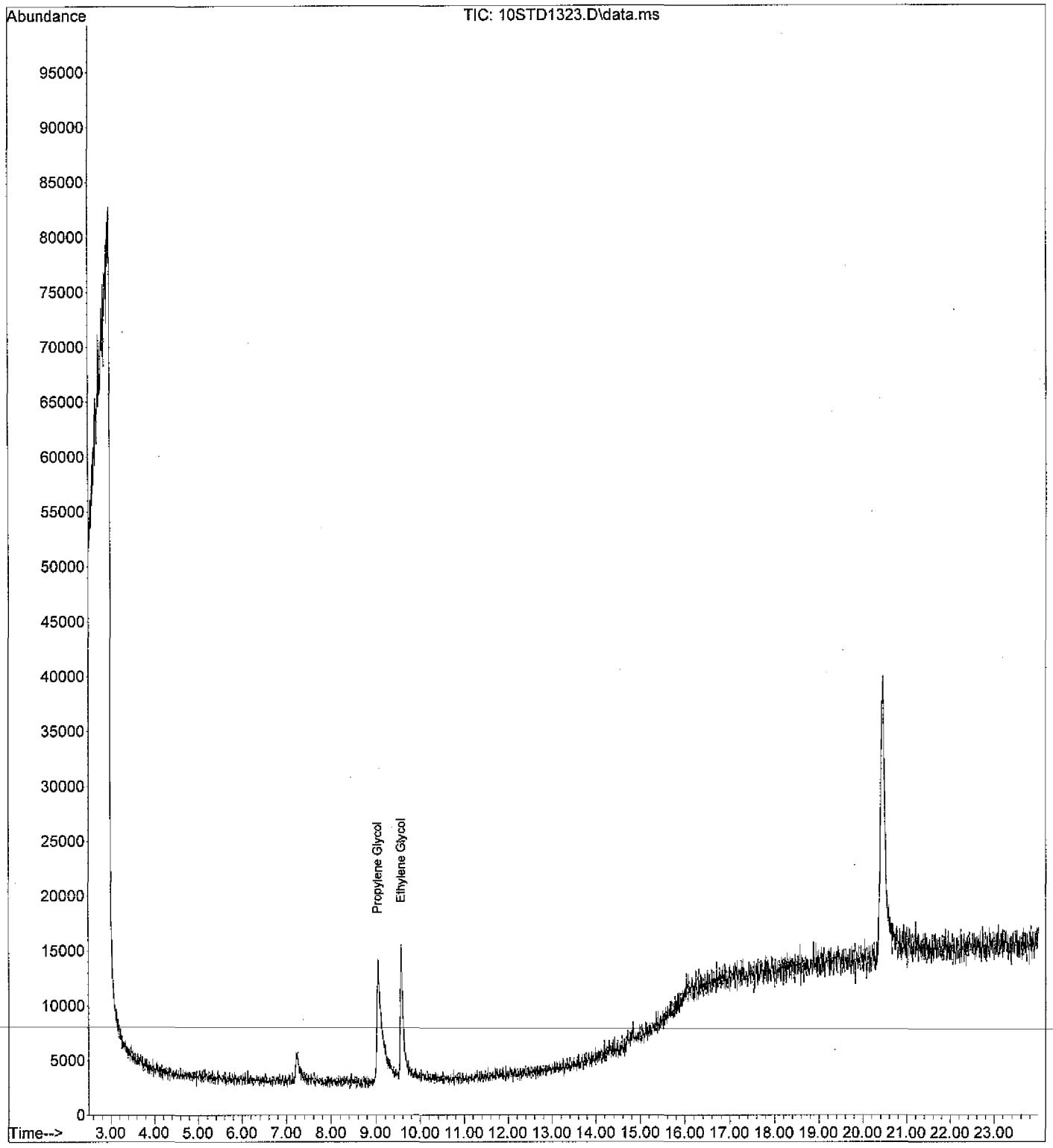
(#) = qualifier out of range (m) = manual integration (+) = signals summed

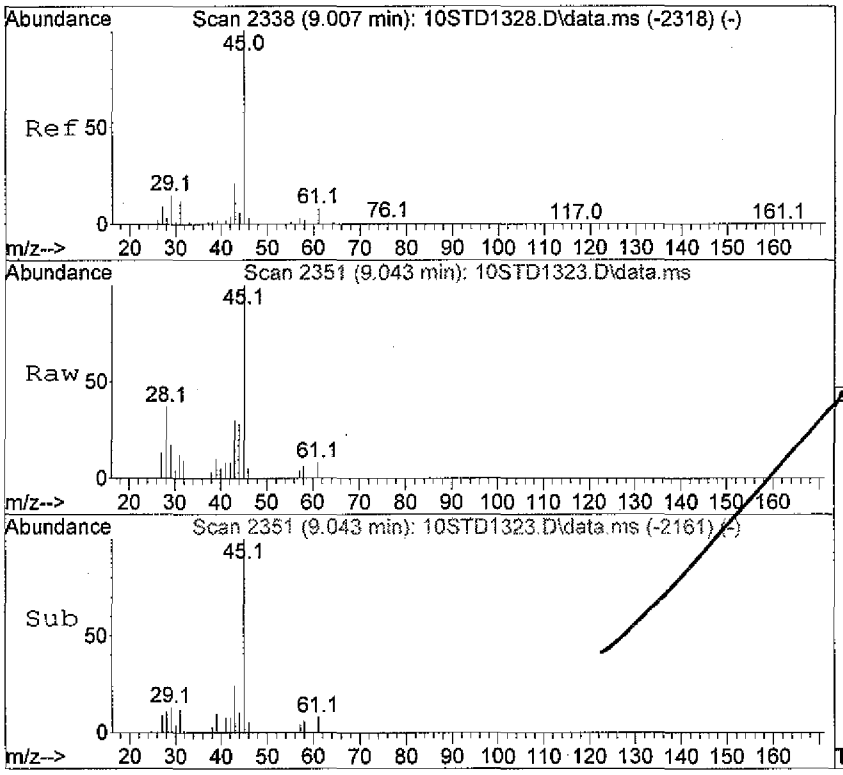
AWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1323.D
Acq On : 3 Mar 2012 3:13 pm
Operator : kws
Sample : 5 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 5 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 14 11:33:35 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

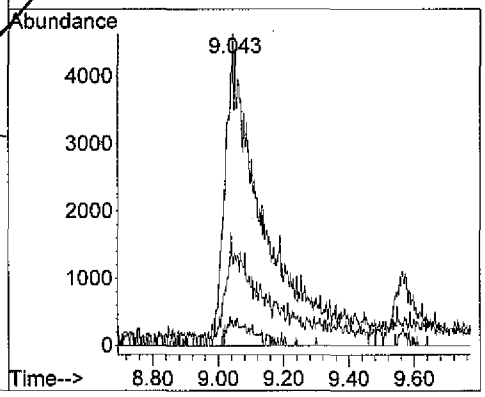


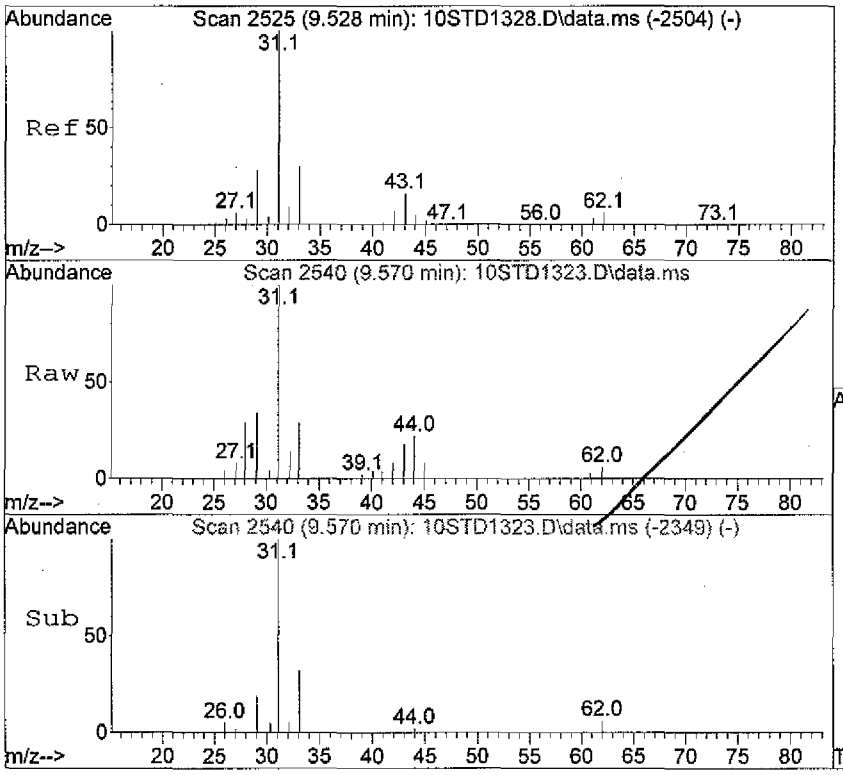


#1
Propylene Glycol
Concen: 3.98 ug/ml m
RT: 9.043 min Scan# 2351
Delta R.T. 0.031 min
Lab File: 10STD1323.D
Acq: 3 Mar 2012 3:13 pm

Tgt Ion: 45 Resp: 38744

Ion	Ratio	Lower	Upper
45	100		
43	29.7	14.0	31.2
61	8.4	0.0	16.6

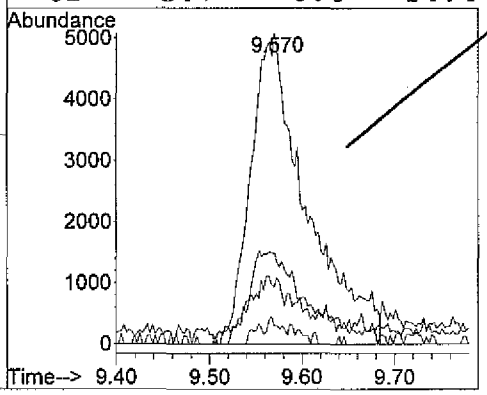




#2
Ethylene Glycol
Concen: 3.81 ug/ml
RT: 9.570 min Scan# 2540
Delta R.T. 0.033 min
Lab File: 10STD1323.D
Acq: 3 Mar 2012 3:13 pm

Tgt Ion: 31 Resp: 21229

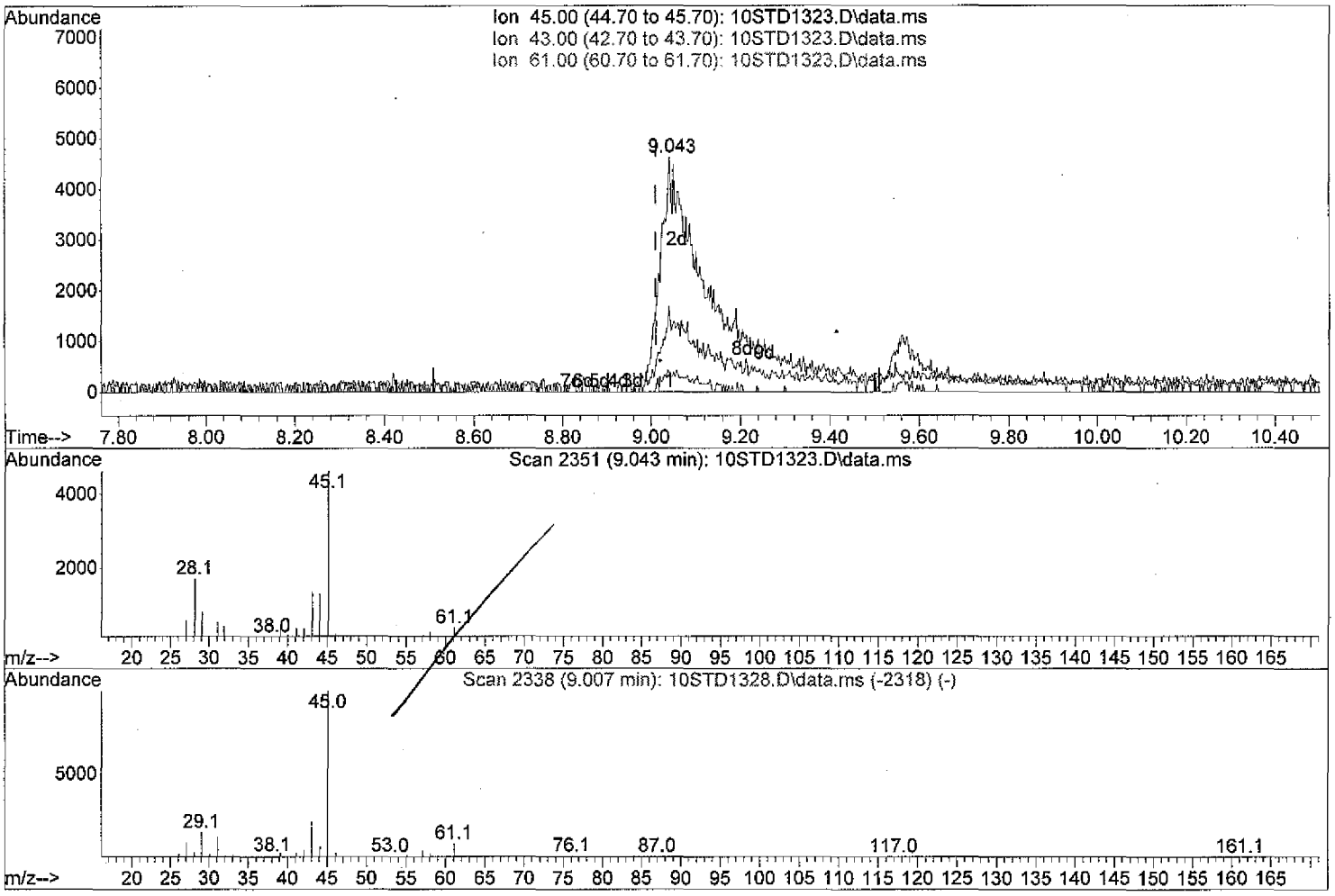
Ion	Ratio	Lower	Upper
31	100		
33	29.1	20.7	38.9
43	18.2	7.8	26.0
62	5.7	0.0	14.4



Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1323.D
Acq On : 3 Mar 2012 3:13 pm
Operator : kws
Sample : 5 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 5 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 14 11:32:39 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration



TIC: 10STD1323.D\data.ms

(1) Propylene Glycol

9.043min (+0.031) 3.98 ug/m m

response 38744

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	29.71
61.00	8.00	8.36
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : ~~1 µL 10 µg/mL ethyl~~/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 14 11:35:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.037	45	80602m	8.27 ug/ml	
2) Ethylene Glycol	9.548	31	47860	8.60 ug/ml	98

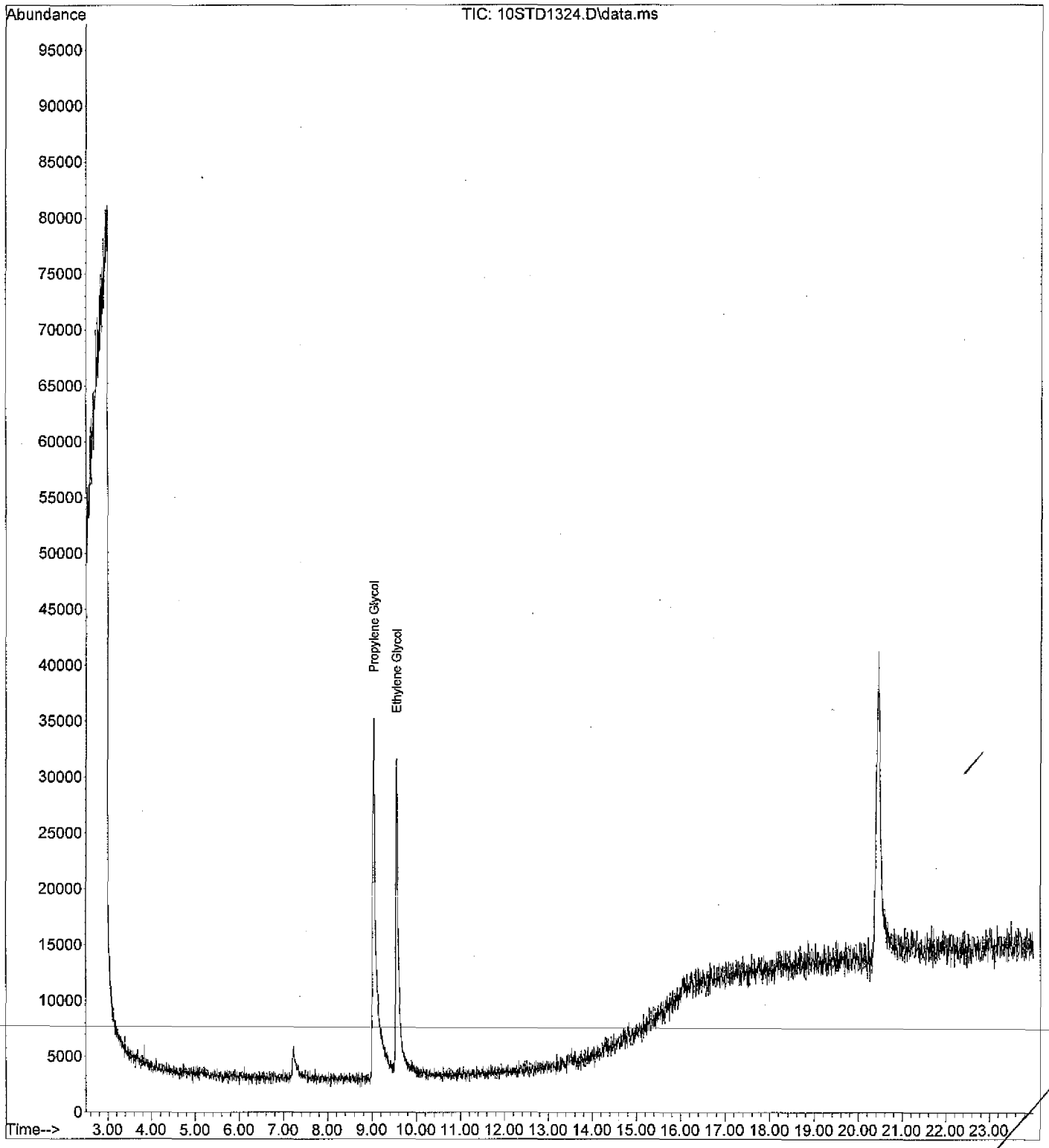
(#) = qualifier out of range (m) = manual integration (+) = signals summed

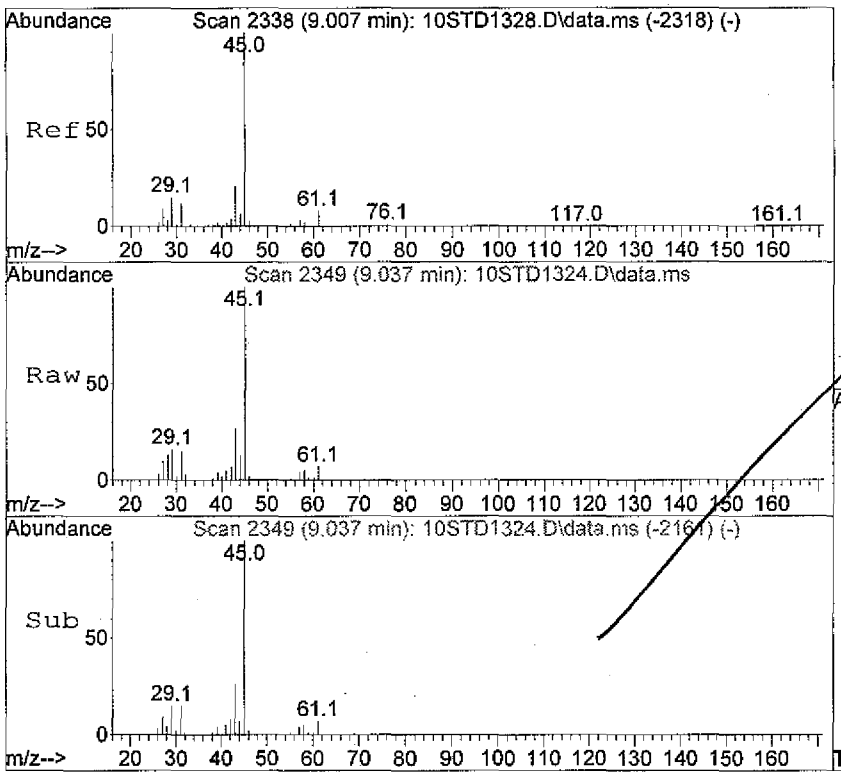
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 14 11:35:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

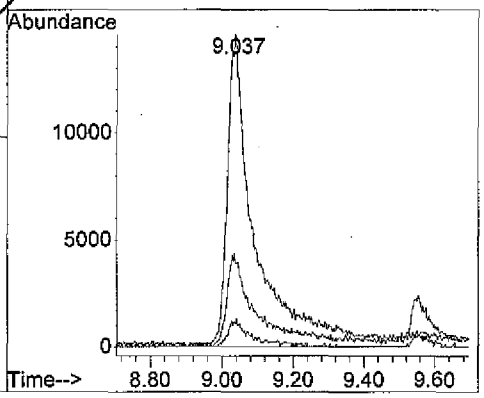


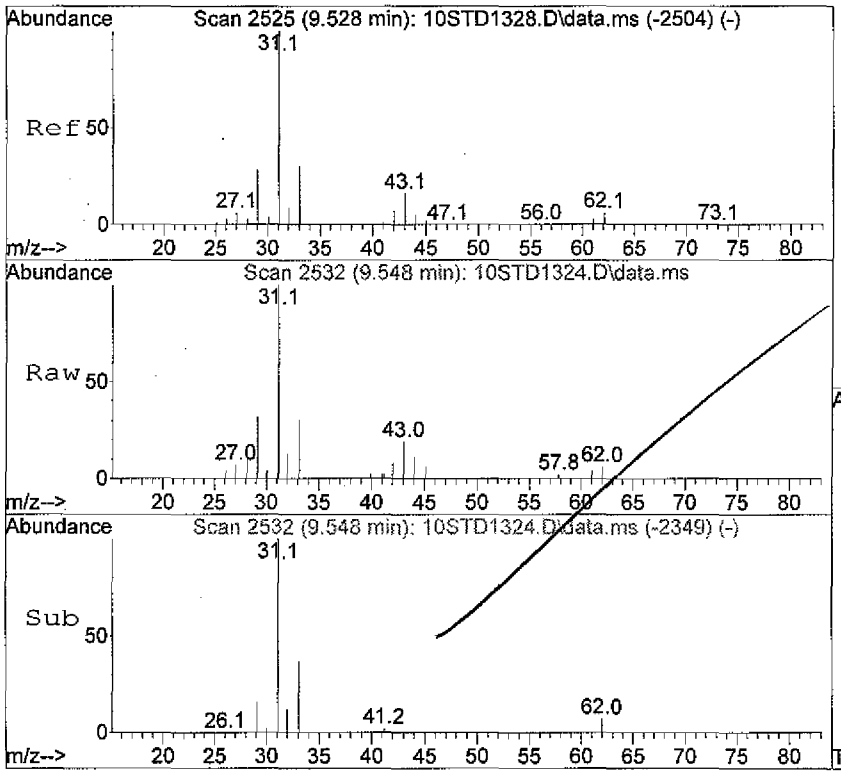


#1
Propylene Glycol
Concen: 8.27 ug/ml m
RT: 9.037 min Scan# 2349
Delta R.T. 0.025 min
Lab File: 10STD1324.D
Acq: 3 Mar 2012 3:39 pm

Tgt Ion: 45 Resp: 80602

Ion	Ratio	Lower	Upper
45	100		
43	26.7	14.0	31.2
61	7.0	0.0	16.6

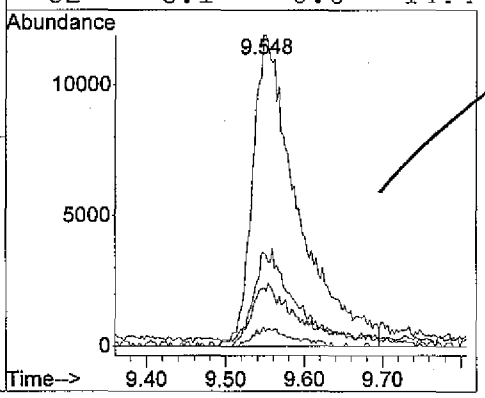




#2
Ethylene Glycol
Concen: 8.60 ug/ml
RT: 9.548 min Scan# 2532
Delta R.T. 0.011 min
Lab File: 10STD1324.D
Acq: 3 Mar 2012 3:39 pm

Tgt Ion: 31 Resp: 47860

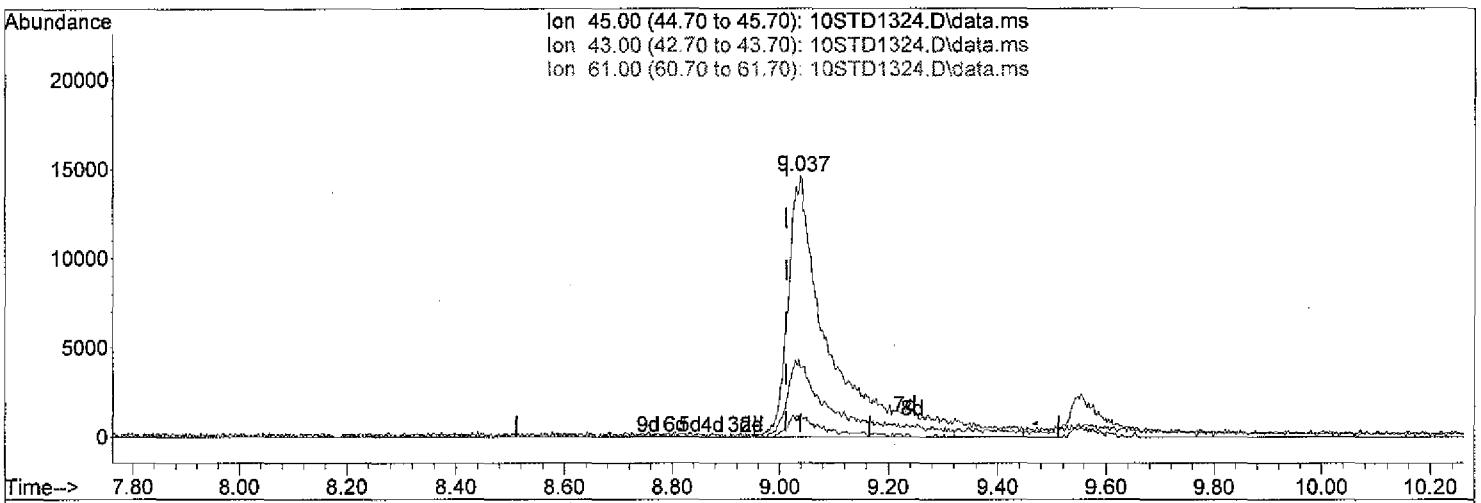
Ion	Ratio	Lower	Upper
31	100		
33	30.0	20.7	38.9
43	18.8	7.8	26.0
62	6.1	0.0	14.4

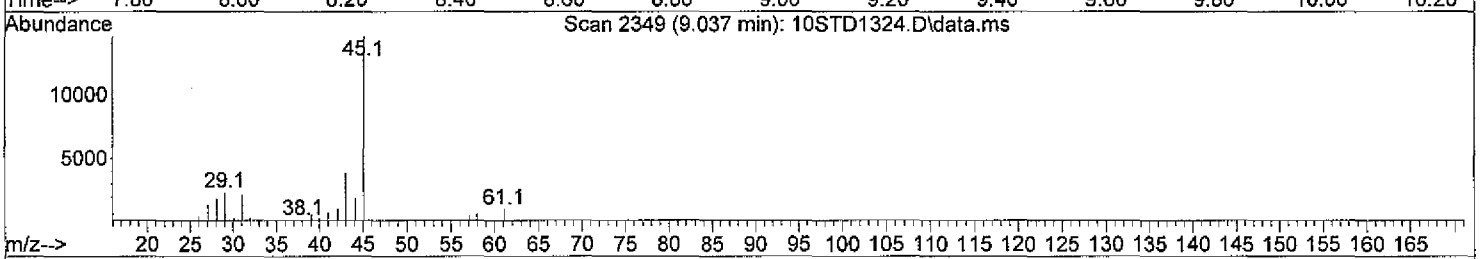


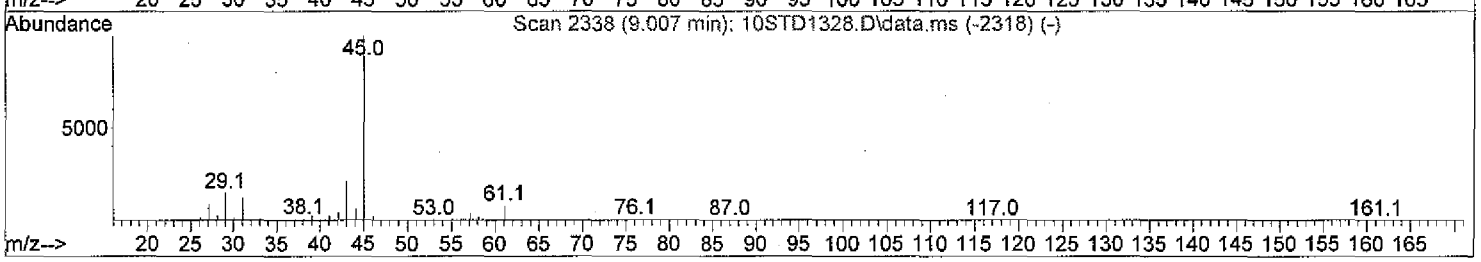
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1324.D
Acq On : 3 Mar 2012 3:39 pm
Operator : kws
Sample : 10 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 10 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 14 11:35:30 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration







TIC: 10STD1324.D\data.ms

(1) Propylene Glycol

9.037min (+0.025) 8.27 ug/mL

response 80602

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	26.70
61.00	8.00	7.05
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1325.D
Acq On : 3 Mar 2012 4:05 pm
Operator : kws
Sample : 25 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 25 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 14 11:37:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.018	45	207687	21.32 ug/ml	98
2) Ethylene Glycol	9.537	31	131396	23.60 ug/ml	98

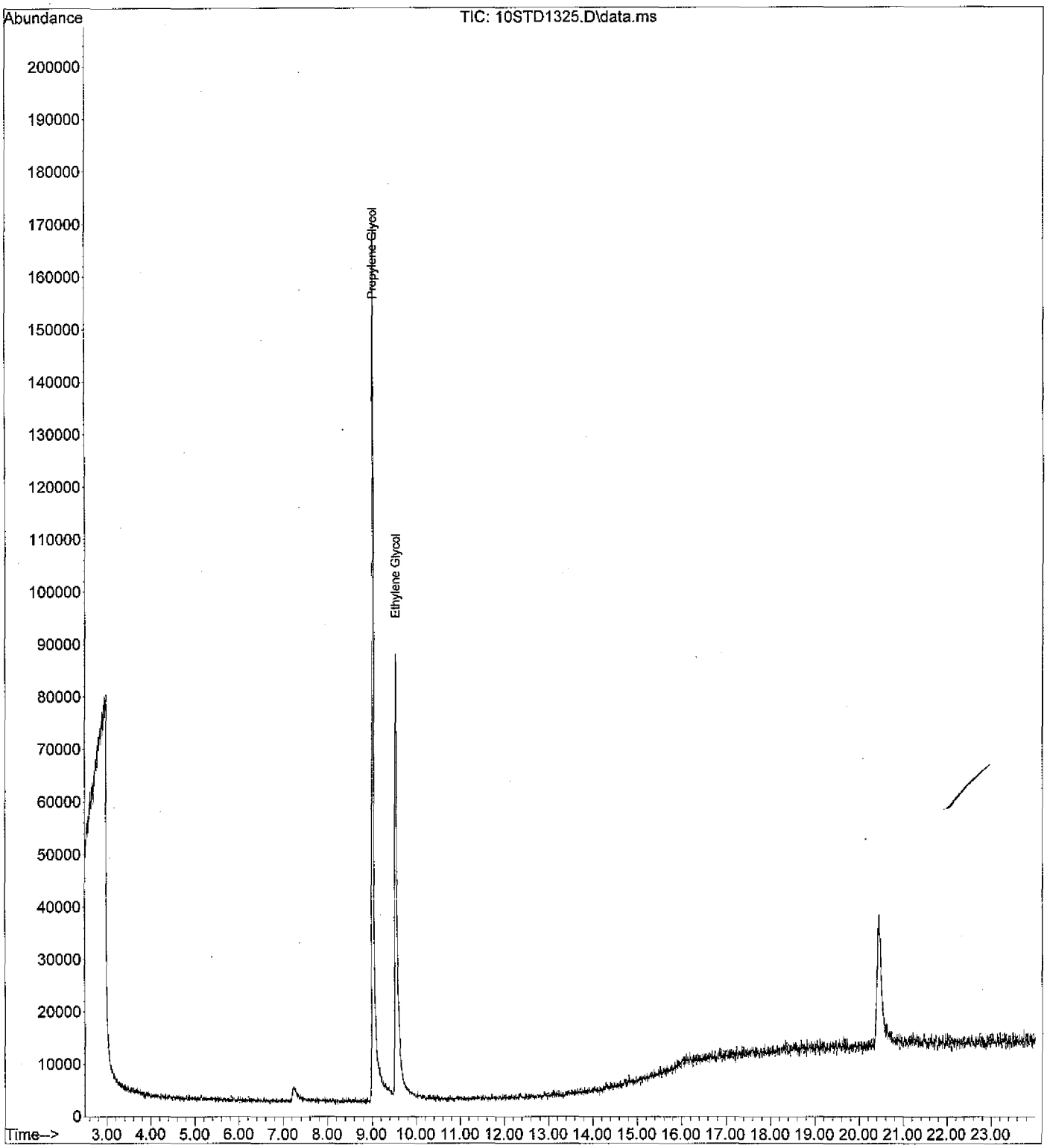
(#) = qualifier out of range (m) = manual integration (+) = signals summed

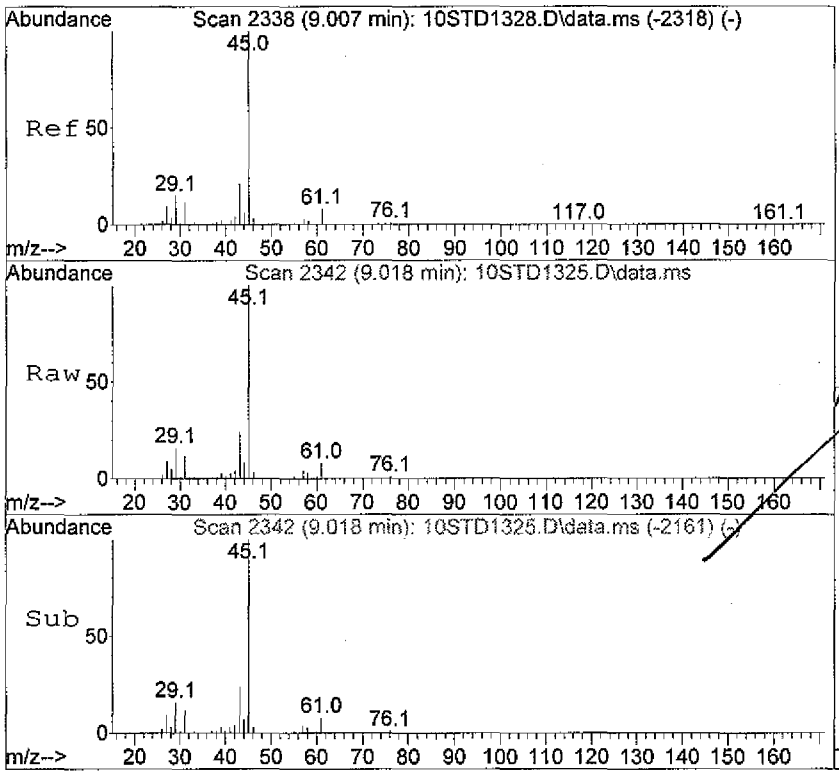
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1325.D
Acq On : 3 Mar 2012 4:05 pm
Operator : kws
Sample : 25 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 25 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 14 11:37:14 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

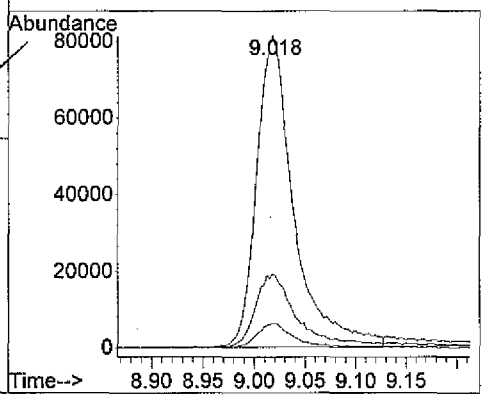


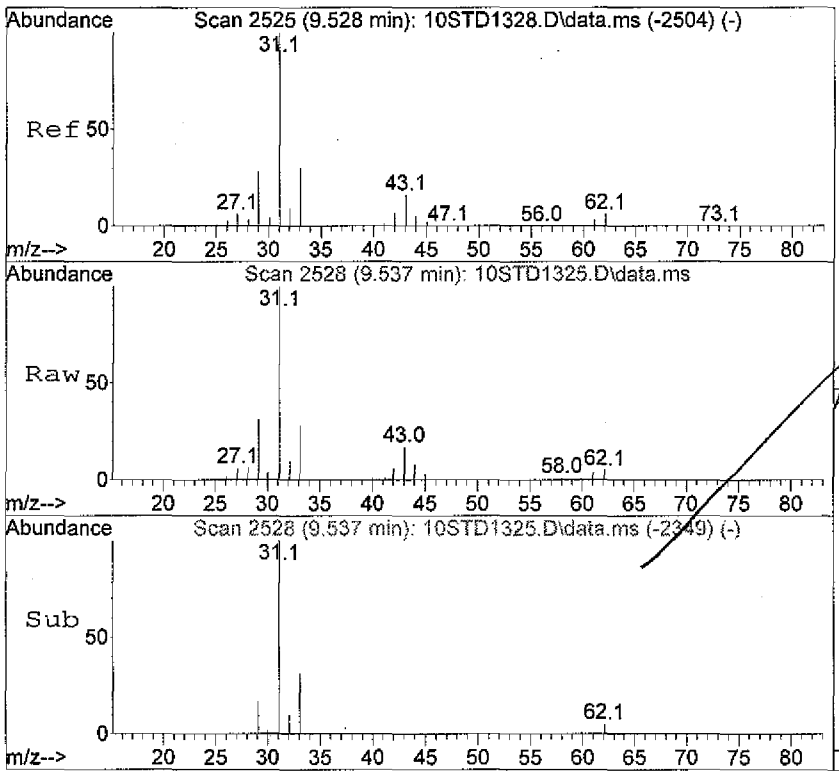


#1
Propylene Glycol
Concen: 21.32 ug/ml
RT: 9.018 min Scan# 2342
Delta R.T. 0.006 min
Lab File: 10STD1325.D
Acq: 3 Mar 2012 4:05 pm

Tgt Ion: 45 Resp: 207687

Ion	Ratio	Lower	Upper
45	100		
43	23.7	14.0	31.2
61	7.9	0.0	16.6

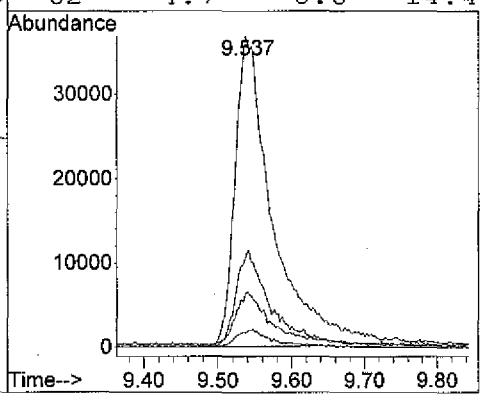




#2
Ethylene Glycol
Concen: 23.60 ug/ml
RT: 9.537 min Scan# 2528
Delta R.T. -0.000 min
Lab File: 10STD1325.D
Acq: 3 Mar 2012 4:05 pm

Tgt Ion: 31 Resp: 131396

Ion	Ratio	Lower	Upper
31	100		
33	28.3	20.7	38.9
43	16.8	7.8	26.0
62	4.7	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:54:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012 recalc'd on curve after update
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.012	45	1.041x10⁴ 520617m	53.78 ug/ml	
2) Ethylene Glycol	9.537	31	560928042 7	51.12 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

— RFs do not match curve due to recalc (area changes)

— need orig or audit trail —

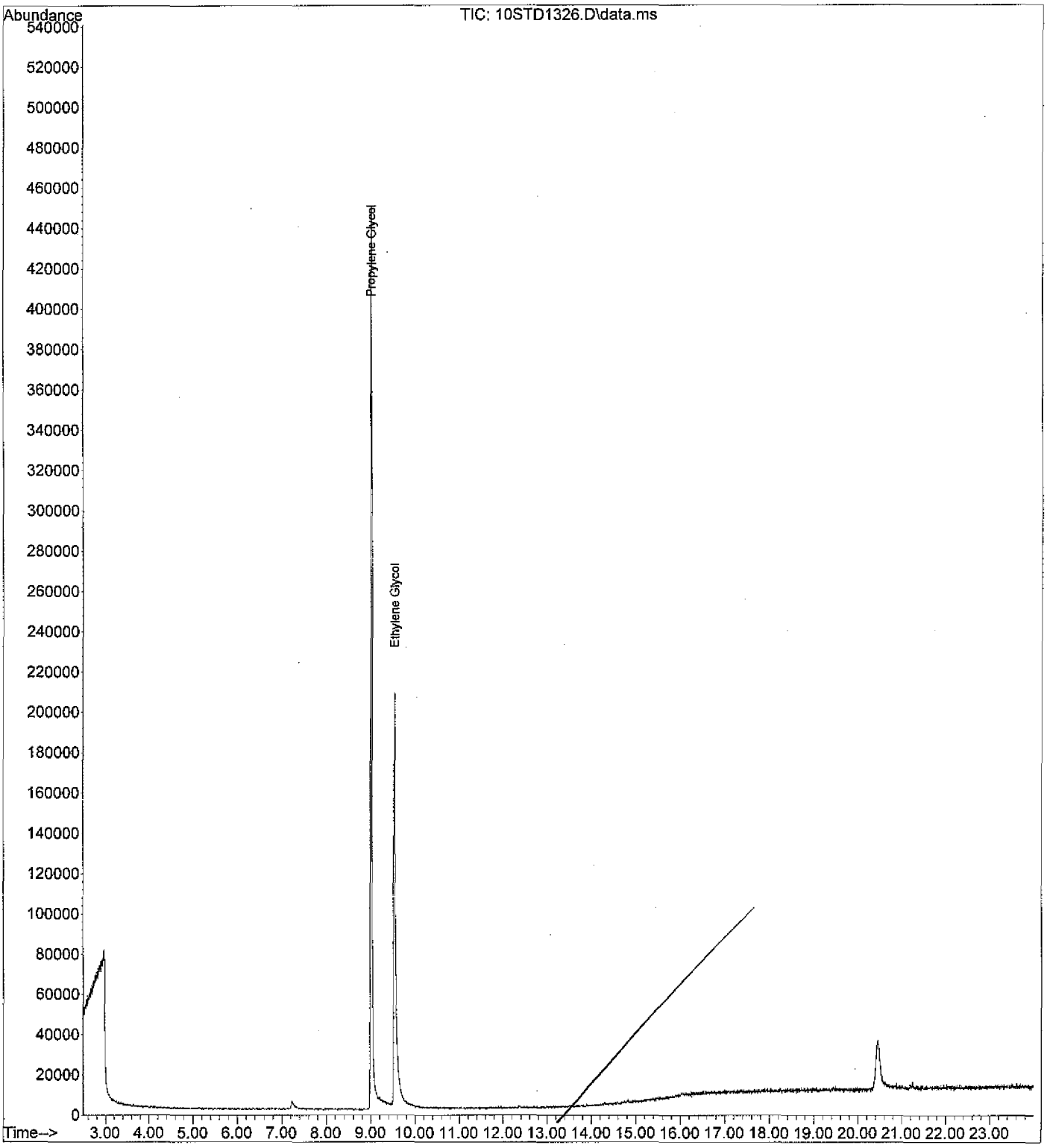
curve not used

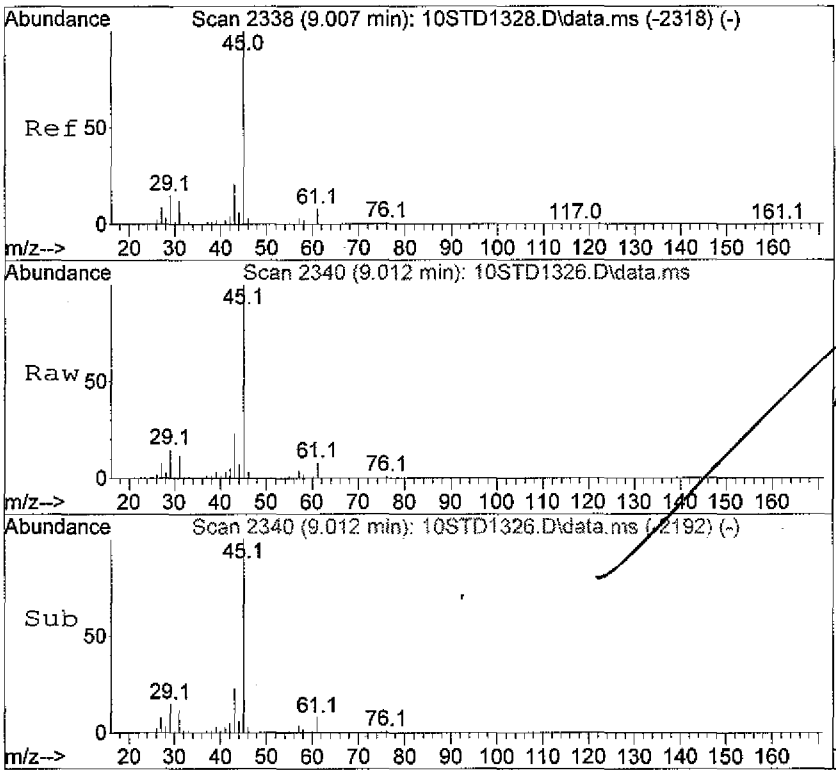
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:54:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

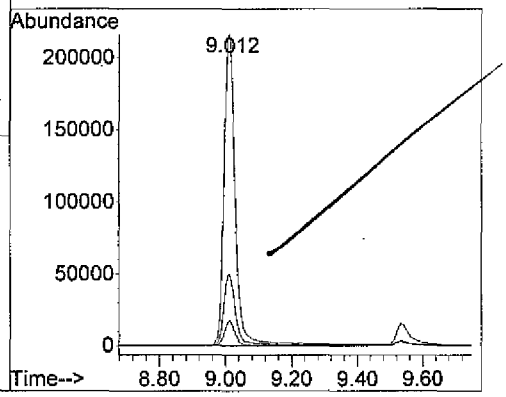


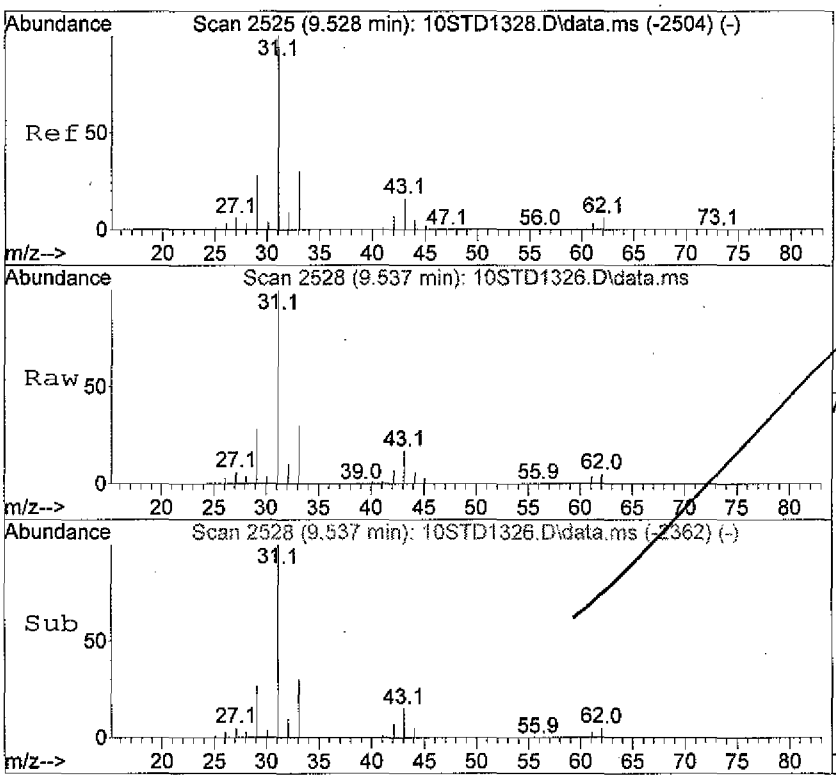


#1
Propylene Glycol
Concen: 53.78 ug/ml m
RT: 9.012 min Scan# 2340
Delta R.T. -0.087 min
Lab File: 10STD1326.D
Acq: 3 Mar 2012 4:31 pm

Tgt Ion: 45 Resp: 520617

Ion	Ratio	Lower	Upper
45	100		
43	22.6	14.0	31.2
61	8.0	0.0	16.6

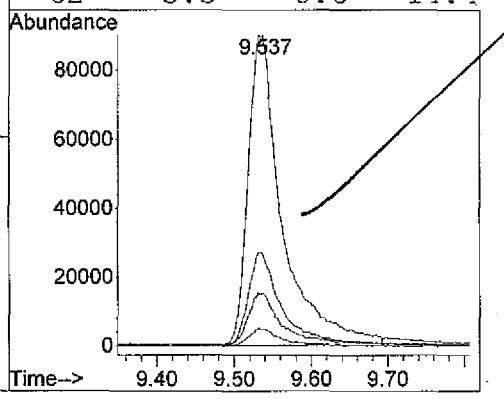




#2
Ethylene Glycol
Concen: 51.12 ug/ml
RT: 9.537 min Scan# 2528
Delta R.T. -0.036 min
Lab File: 10STD1326.D
Acq: 3 Mar 2012 4:31 pm

Tgt Ion: 31 Resp: 280427

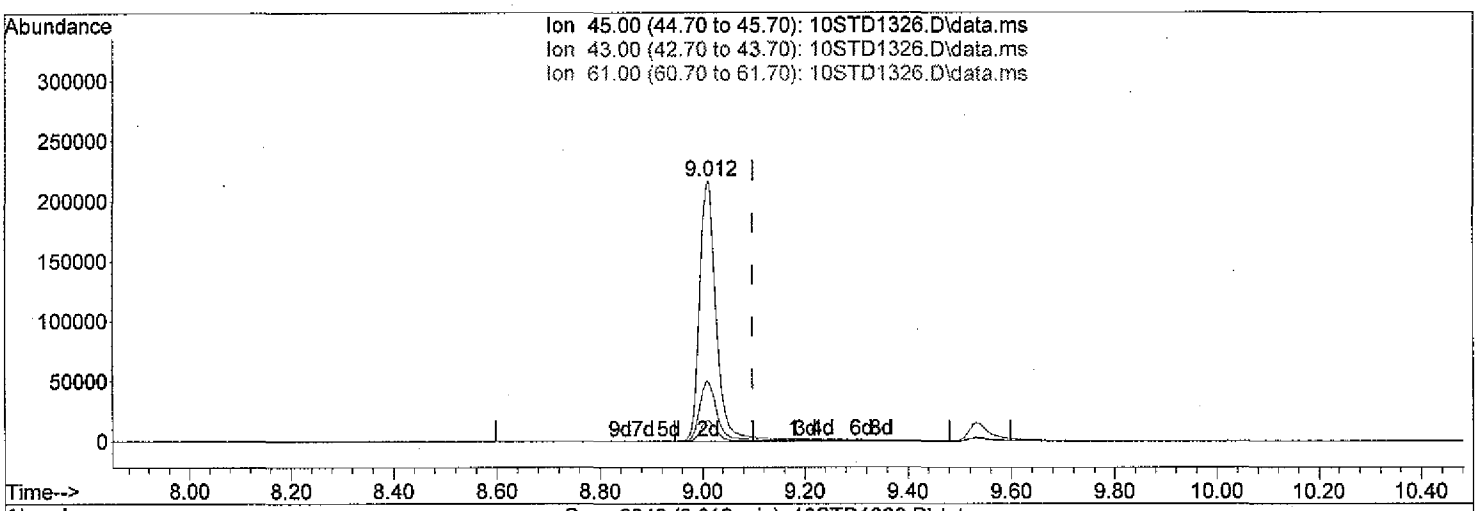
Ion	Ratio	Lower	Upper
31	100		
33	29.8	20.7	38.9
43	16.9	7.8	26.0
62	5.3	0.0	14.4

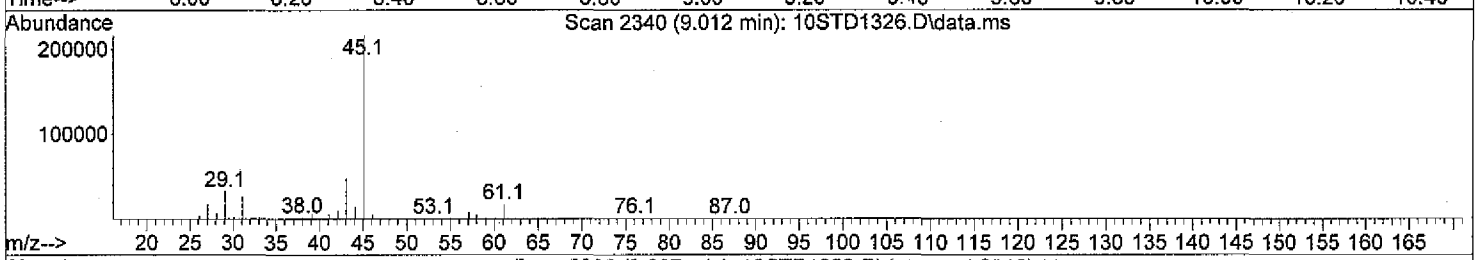


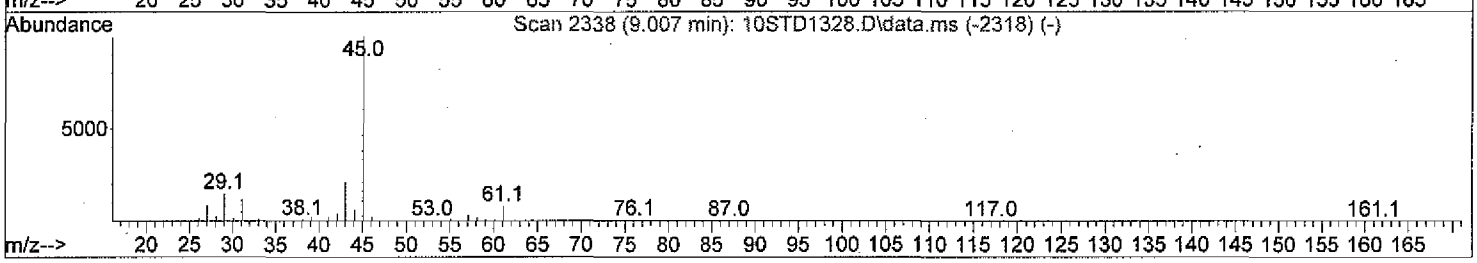
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:53:46 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration







TIC: 10STD1326.D\data.ms

(1) Propylene Glycol

9.012min (-0.087) 53.78 ug/mL m

response 520617

Ion	Exp%	Act%
45.00	100	100
43.00	22.60	22.60
61.00	8.00	8.03
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1326.D
Acq On : 3 Mar 2012 4:31 pm
Operator : kws
Sample : 50 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 50 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:54:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	Propylene Glycol	9.681	10.412	E3	-7.6	105	-0.09
2	Ethylene Glycol	5.486	5.609	E3	-2.2	100	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0

DIM0096205 DIM0096493

Calibration Status Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
Last Update : Wed Mar 14 11:51:04 2012
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	.50	1	0	D:\1\DATA\12_0303\10STD1317.D
2	1.00	1	0	D:\1\DATA\12_0303\10STD1319.D
3	2.00	2	0	D:\1\DATA\12_0303\10STD1322.D
4	5.00	5	0	D:\1\DATA\12_0303\10STD1323.D
5	10.0	10	0	D:\1\DATA\12_0303\10STD1324.D
6	25	25	0	D:\1\DATA\12_0303\10STD1325.D
7	50	50	0	D:\1\DATA\12_0303\10STD1326.D
8	100	100	0	D:\1\DATA\12_0303\10STD1327.D
9	150	150	0	D:\1\DATA\12_0303\10STD1328.D
10	200	200	0	D:\1\DATA\12_0303\10STD1329.D
11	CC	50	0	D:\1\DATA\12_0303\10STD1326.D

#	ID	Update Time	Quant Time	Acquisition Time
1	.50	Mar 14 11:51 2012	Mar 14 11:27 2012	
2	1.00	Mar 14 11:50 2012	Mar 14 11:29 2012	
3	2.00	Mar 14 11:49 2012	Mar 14 11:31 2012	
4	5.00	Mar 14 11:48 2012	Mar 14 11:33 2012	
5	10.0	Mar 14 11:49 2012	Mar 14 11:35 2012	
6	25	Mar 14 11:46 2012	Mar 14 11:37 2012	
7	50	Mar 14 11:47 2012	Mar 14 11:38 2012	
8	100	Mar 14 11:43 2012	Mar 14 11:39 2012	
9	150	Mar 14 11:42 2012	Mar 14 11:39 2012	
10	200	Mar 14 11:42 2012	Mar 14 11:40 2012	
11	CC	Mar 14 11:51 2012	Mar 14 11:38 2012	

GLYCOL120305.M Wed Mar 14 11:56:45 2012

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1327.D
Acq On : 3 Mar 2012 4:58 pm
Operator : kws
Sample : 100 µg/mL E/P glycol std Inst : Betty
Misc : ~~1 µL 100 µg/mL ethyl/p~~ropylene std mdl-7)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:39:00 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	1070989	109.92 ug/ml	98
2) Ethylene Glycol	9.531	31	596412	107.13 ug/ml	99

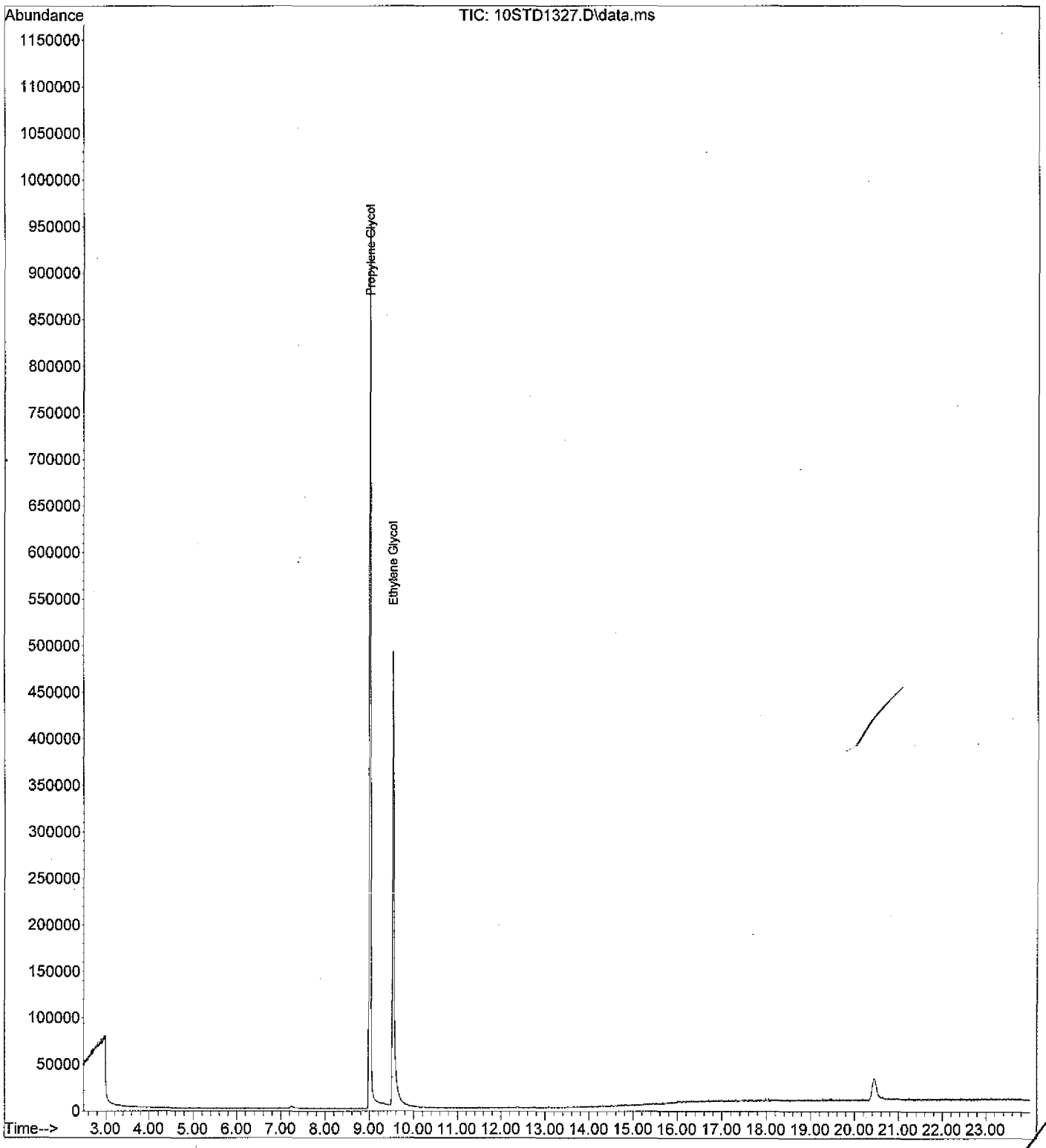
(#) = qualifier out of range (m) = manual integration (+) = signals summed

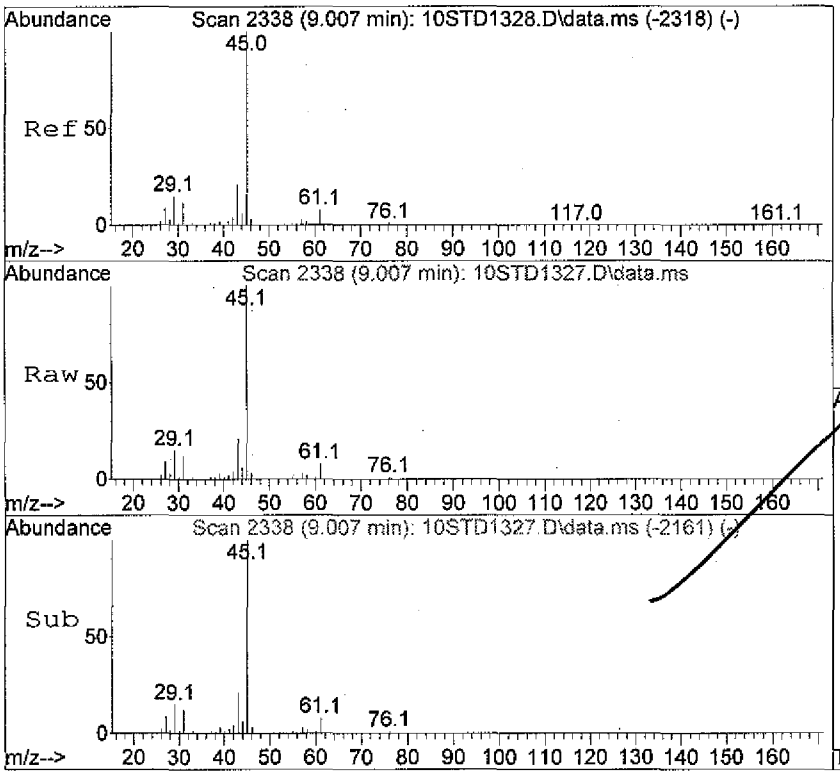
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1327.D
Acq On : 3 Mar 2012 4:58 pm
Operator : kws
Sample : 100 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 100 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:39:00 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

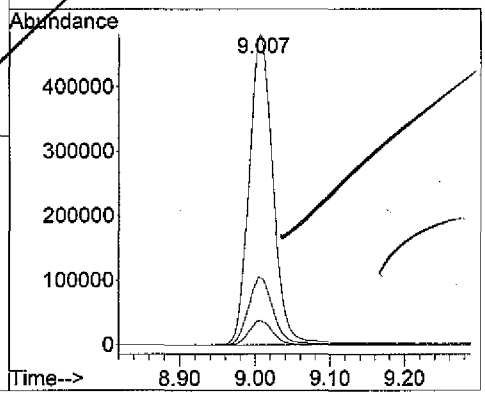


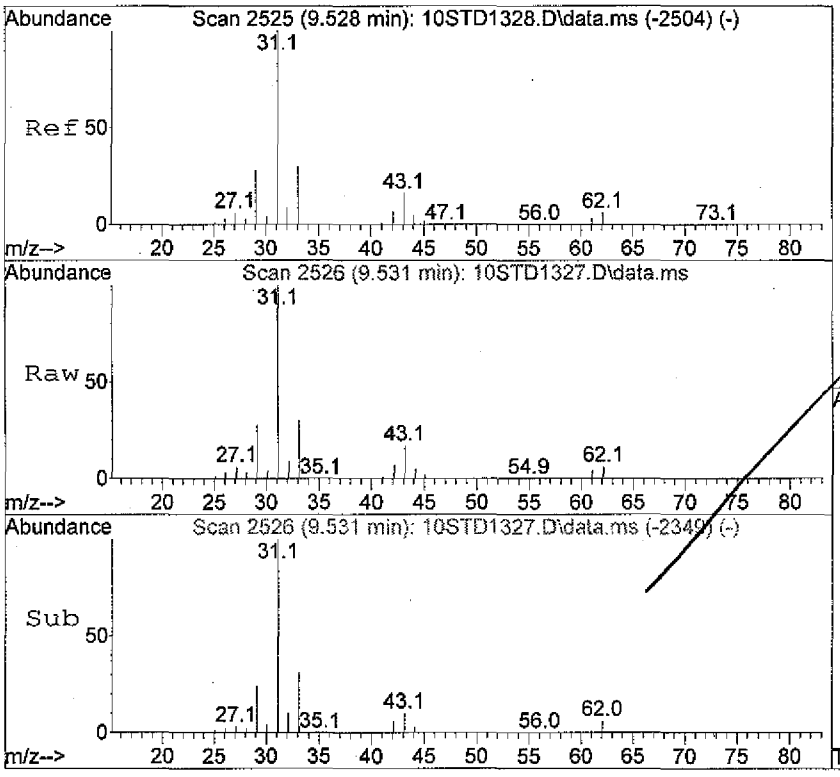


#1
Propylene Glycol
Concen: 109.92 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.005 min
Lab File: 10STD1327.D
Acq: 3 Mar 2012 4:58 pm

Tgt Ion: 45 Resp: 1070989

Ion	Ratio	Lower	Upper
45	100		
43	21.4	14.0	31.2
61	7.9	0.0	16.6

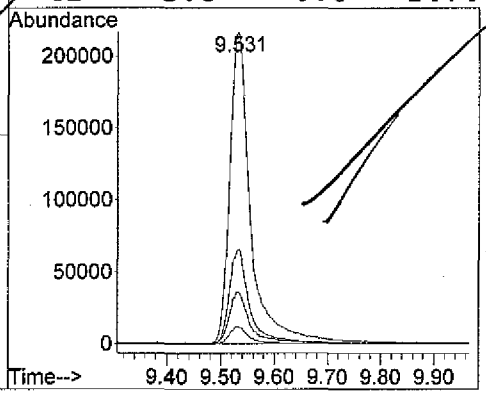




#2
Ethylene Glycol
Concen: 107.13 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1327.D
Acq: 3 Mar 2012 4:58 pm

Tgt Ion: 31 Resp: 596412

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	16.8	7.8	26.0
62	5.5	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1328.D
Acq On : 3 Mar 2012 5:24 pm
Operator : kws
Sample : ~~150 µg/mL E/P glycol~~ std Inst : Betty
Misc : 1 µL 150 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 11:39:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	1632475	167.54 ug/ml	98
2) Ethylene Glycol	9.531	31	916259	164.58 ug/ml	99

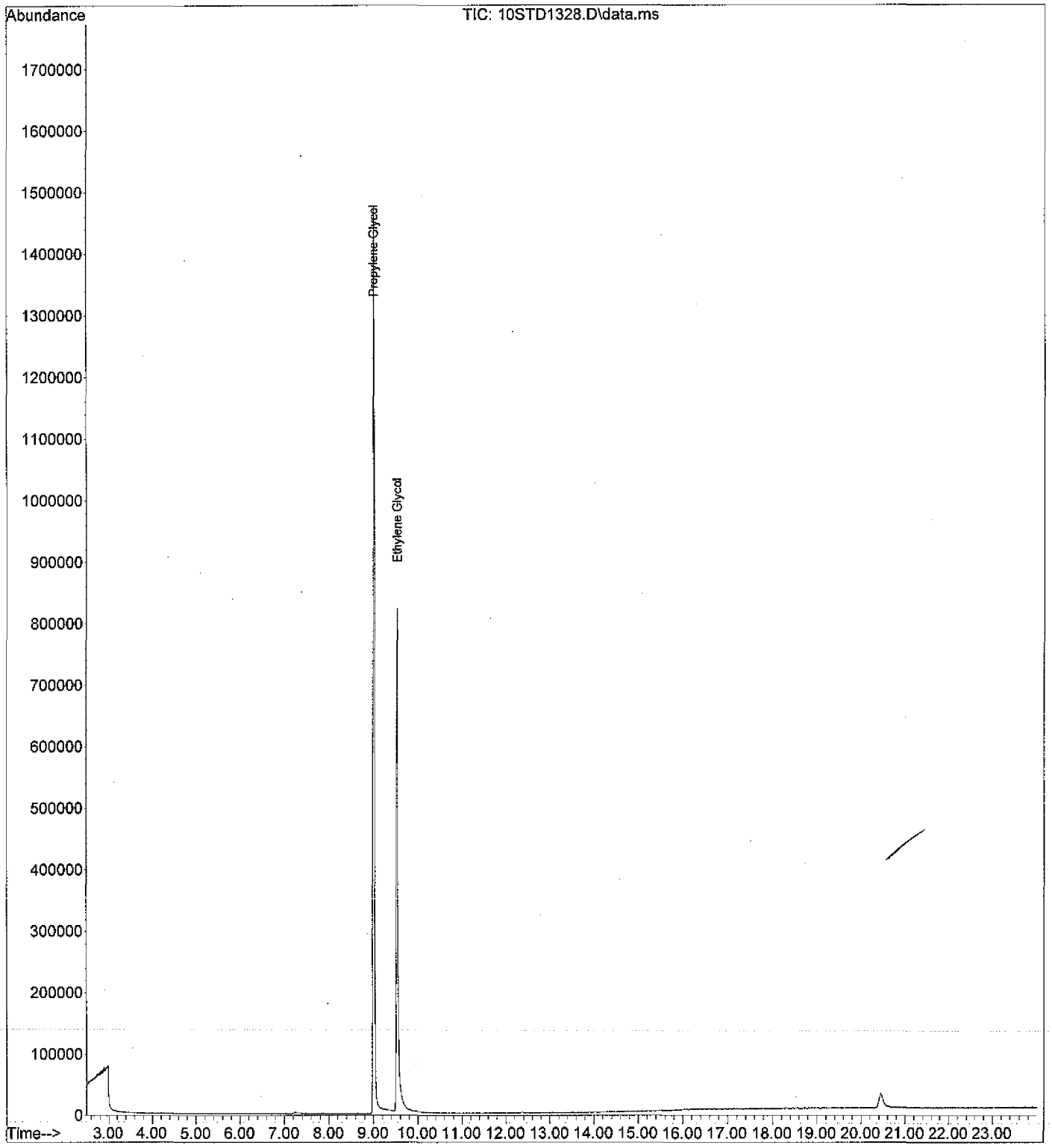
(#) = qualifier out of range (m) = manual integration (+) = signals summed

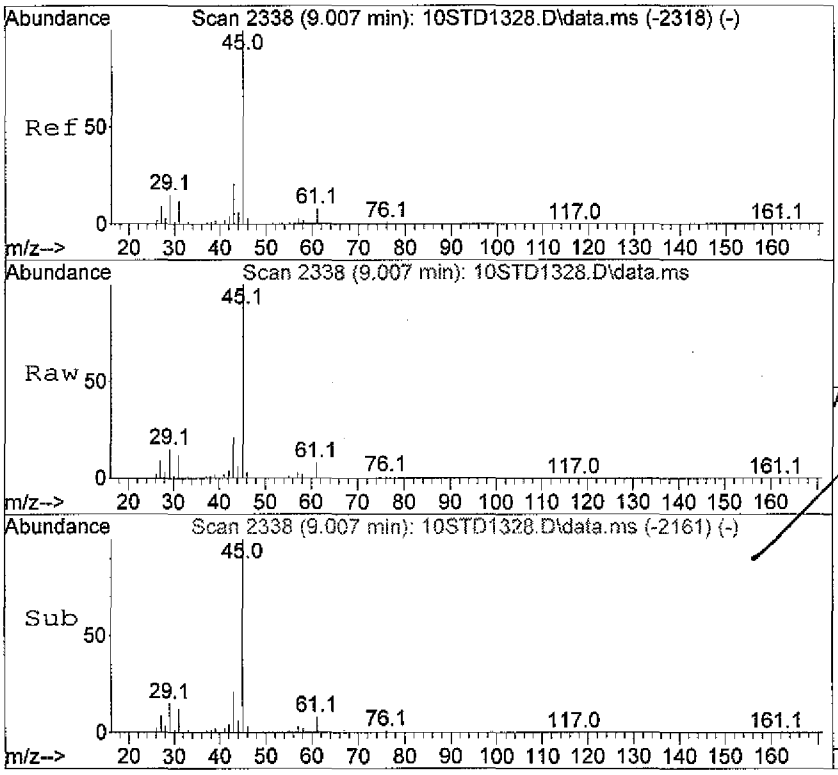
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1328.D
Acq On : 3 Mar 2012 5:24 pm
Operator : kws
Sample : 150 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 150 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 11:39:53 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

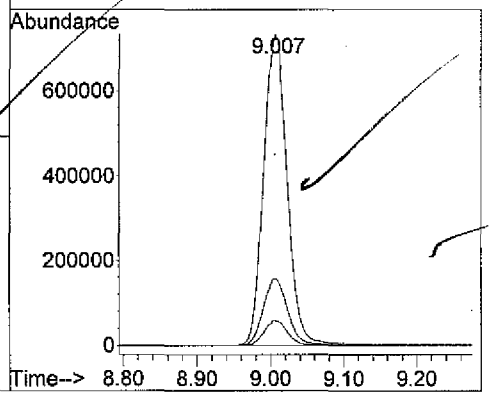


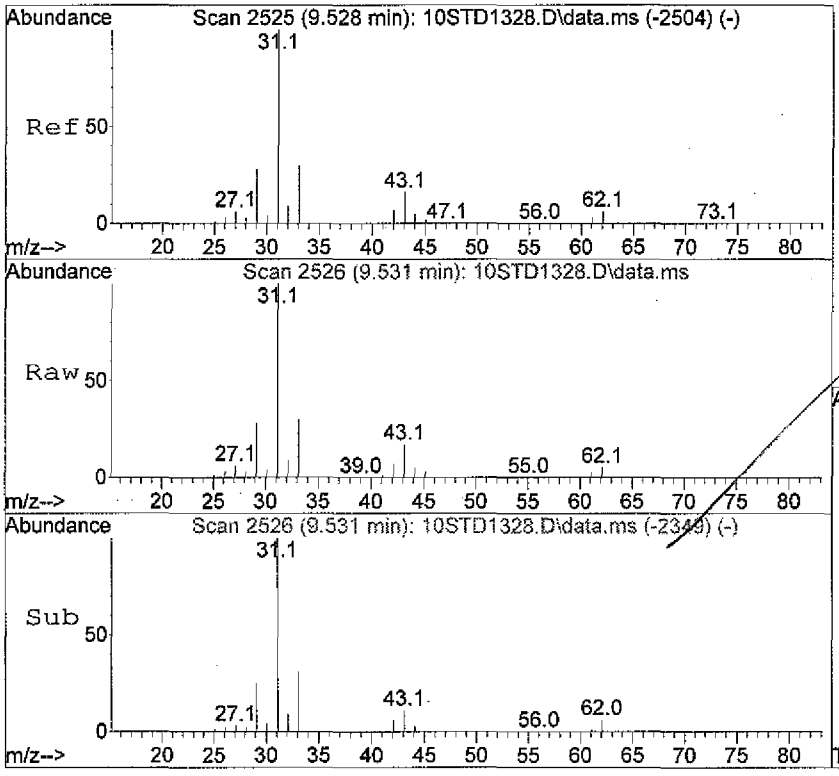


#1
Propylene Glycol
Concen: 167.54 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.005 min
Lab File: 10STD1328.D
Acq: 3 Mar 2012 5:24 pm

Tgt Ion: 45 Resp: 1632475

Ion	Ratio	Lower	Upper
45	100		
43	21.3	14.0	31.2
61	7.9	0.0	16.6

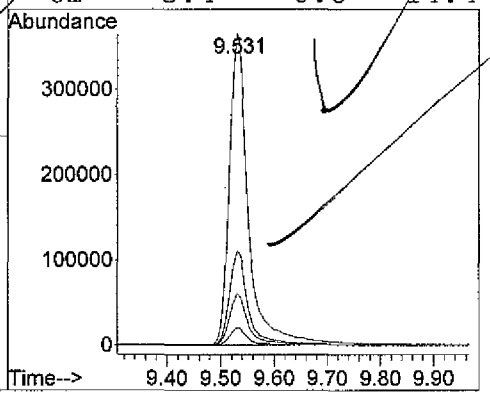




#2
Ethylene Glycol
Concen: 164.58 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1328.D
Acq: 3 Mar 2012 5:24 pm

Tgt Ion: 31 Resp: 916259

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	16.6	7.8	26.0
62	5.4	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1329.D
Acq On : 3 Mar 2012 5:50 pm
Operator : kws
Sample : 200 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 200 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 11:40:42 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08:52:57 2012
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

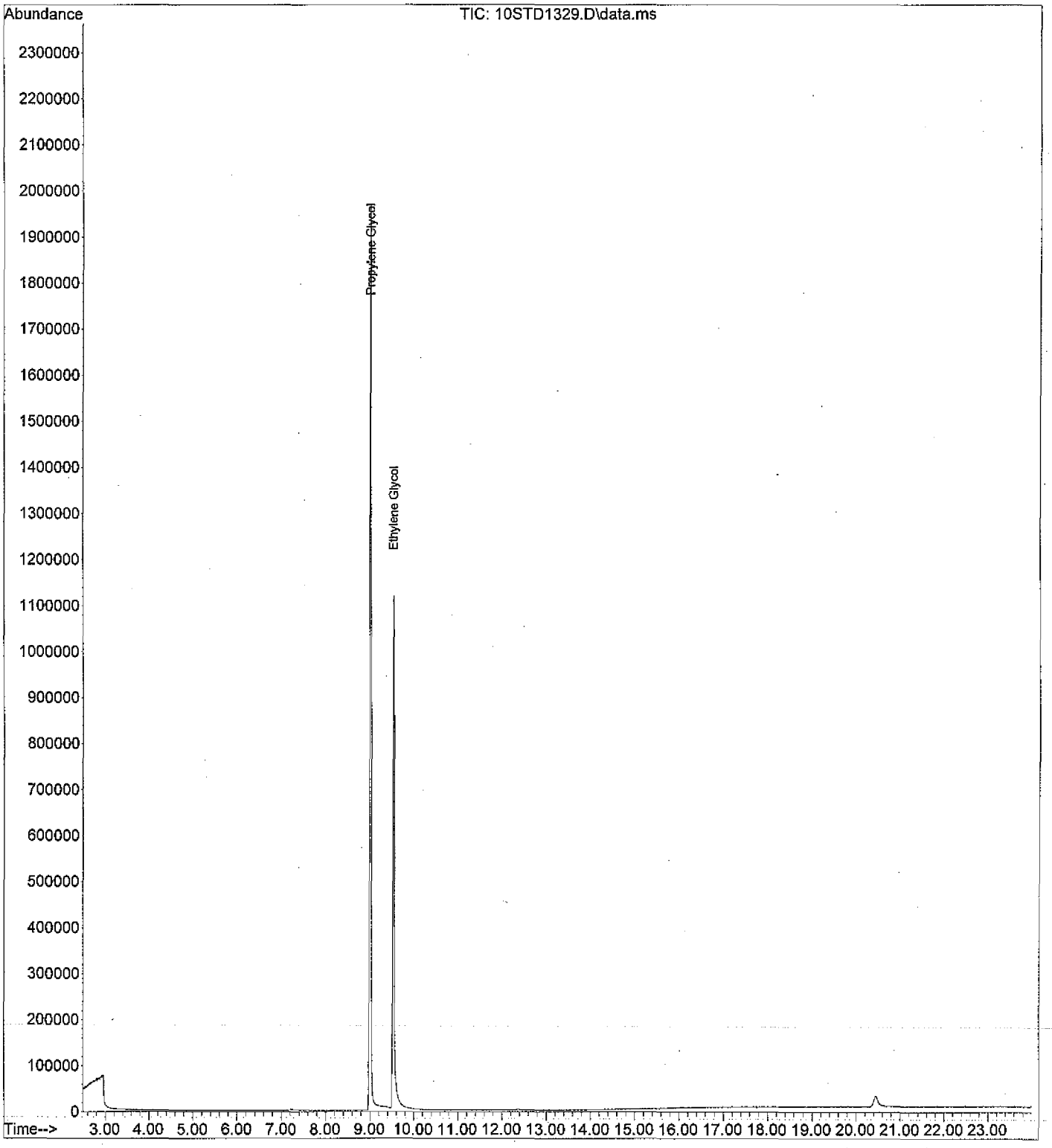
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.004	45	2150469	220.71 ug/ml	98
2) Ethylene Glycol	9.531	31	1210585	217.45 ug/ml	99

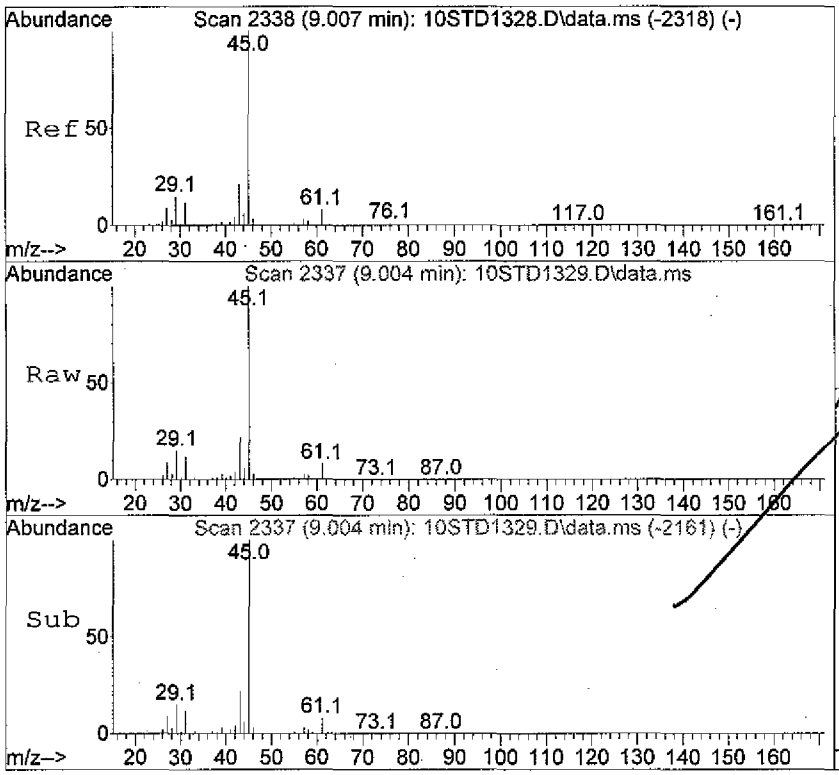
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10STD1329.D
Acq On : 3 Mar 2012 5:50 pm
Operator : kws
Sample : 200 µg/mL E/P glycol std Inst : Betty
Misc : 1 µL 200 µg/mL ethyl/propylene std mdl-7)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 11:40:42 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 08
QLast Update : Mon Mar 05 06:58:35 2012
Response via : Initial Calibration

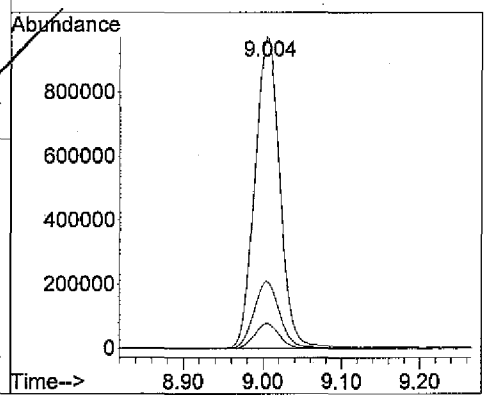


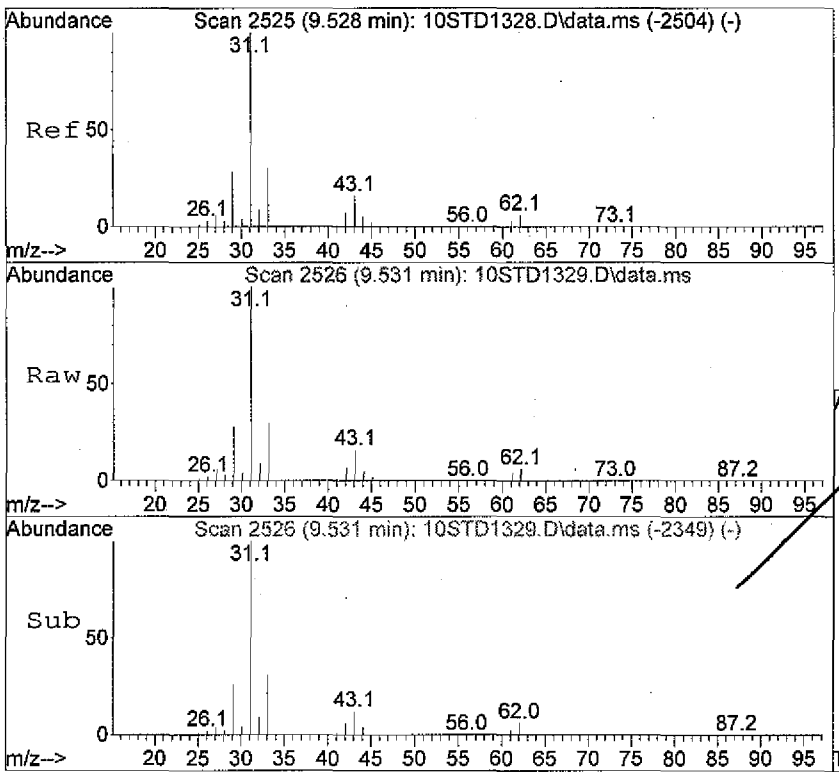


#1
Propylene Glycol
Concen: 220.71 ug/ml
RT: 9.004 min Scan# 2337
Delta R.T. -0.008 min
Lab File: 10STD1329.D
Acq: 3 Mar 2012 5:50 pm

Tgt Ion: 45 Resp: 2150469

Ion	Ratio	Lower	Upper
45	100		
43	21.5	14.0	31.2
61	8.0	0.0	16.6

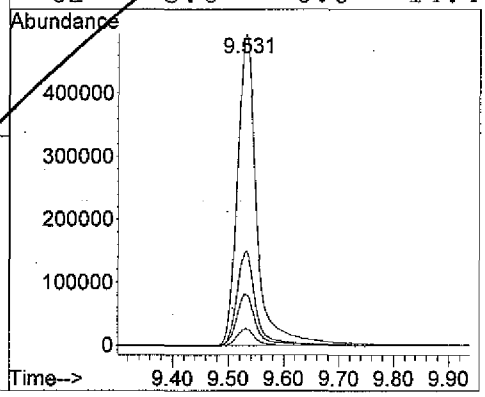




#2
Ethylene Glycol
Concen: 217.45 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.006 min
Lab File: 10STD1329.D
Acq: 3 Mar 2012 5:50 pm

Tgt Ion: 31 Resp: 1210585

Ion	Ratio	Lower	Upper
31	100		
33	30.5	20.7	38.9
43	16.3	7.8	26.0
62	5.6	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10LCS1332.D
Acq On : ~~3 Mar 2012~~ 7:09 pm
Operator : kws
Sample : 50 µg/mL E. glycol std Inst : Betty
Misc : 1 µL of 50 µg/mL ethylene std
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 14 12:02:10 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.093	45	217	N.D.	
2) Ethylene Glycol	9.528	31	258656	47.15 ug/ml	99

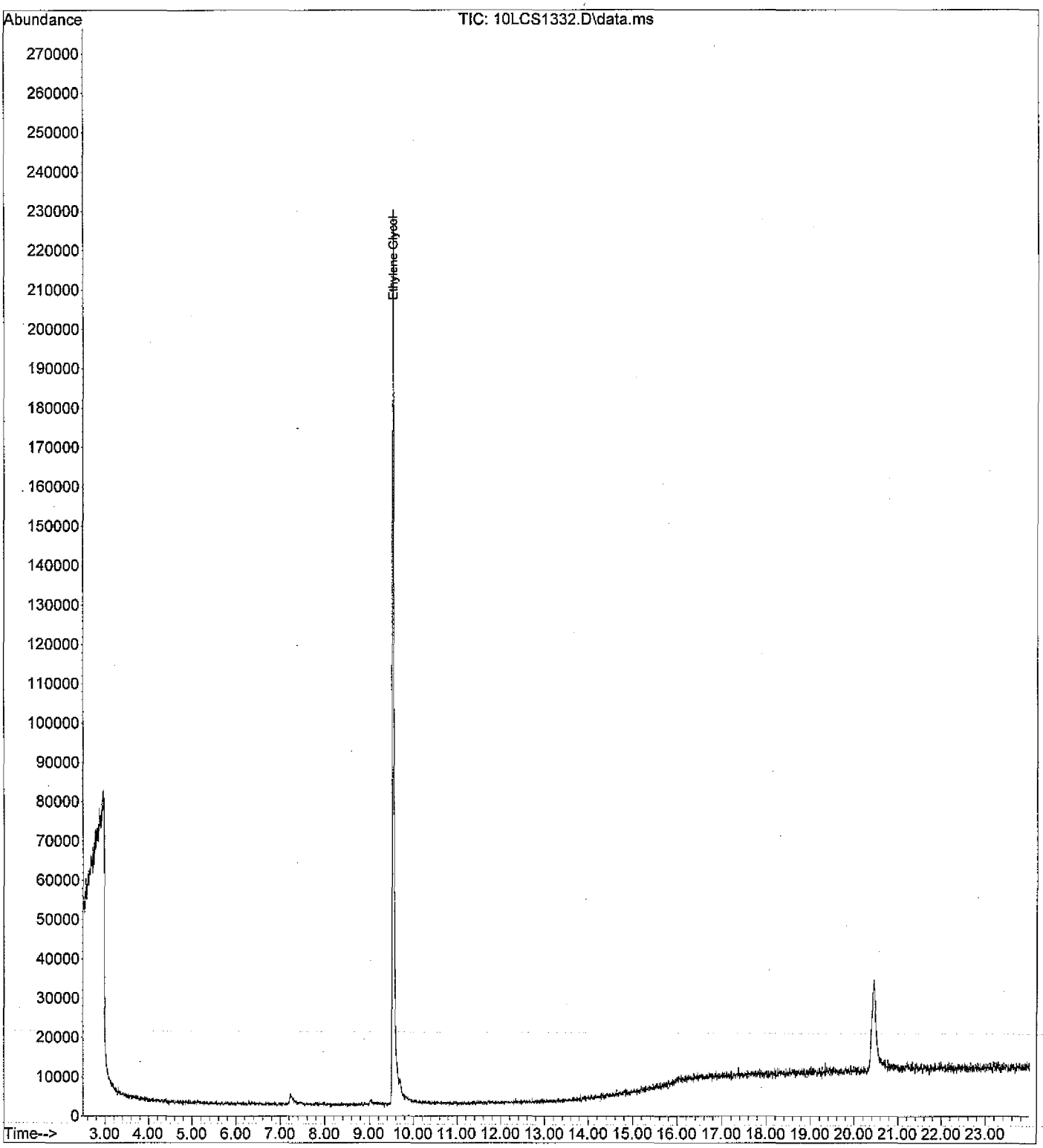
(#) = qualifier out of range (m) = manual integration (+) = signals summed

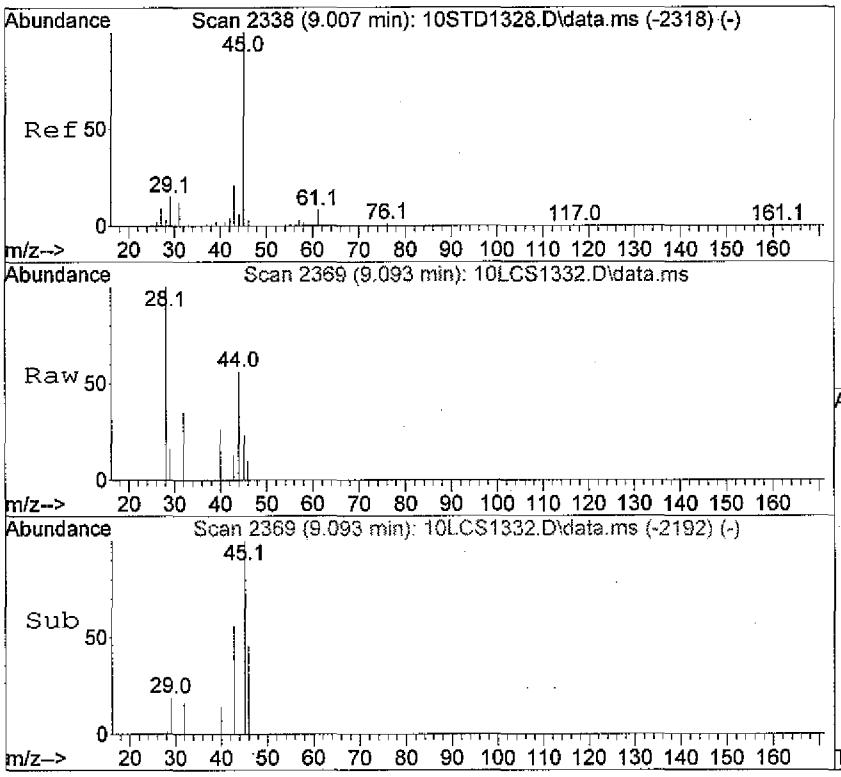
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10LCS1332.D
Acq On : 3 Mar 2012 7:09 pm
Operator : kws
Sample : 50 µg/mL E. glycol std Inst : Betty
Misc : 1 µL of 50 µg/mL ethylene std
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 14 12:02:10 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

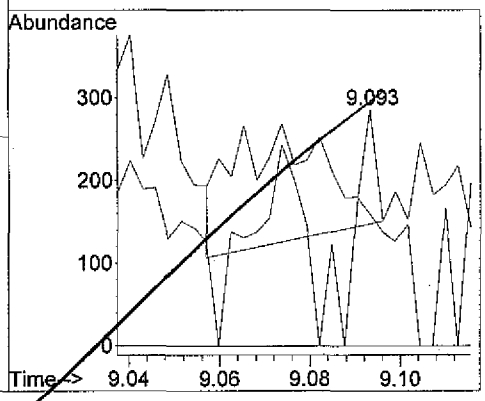


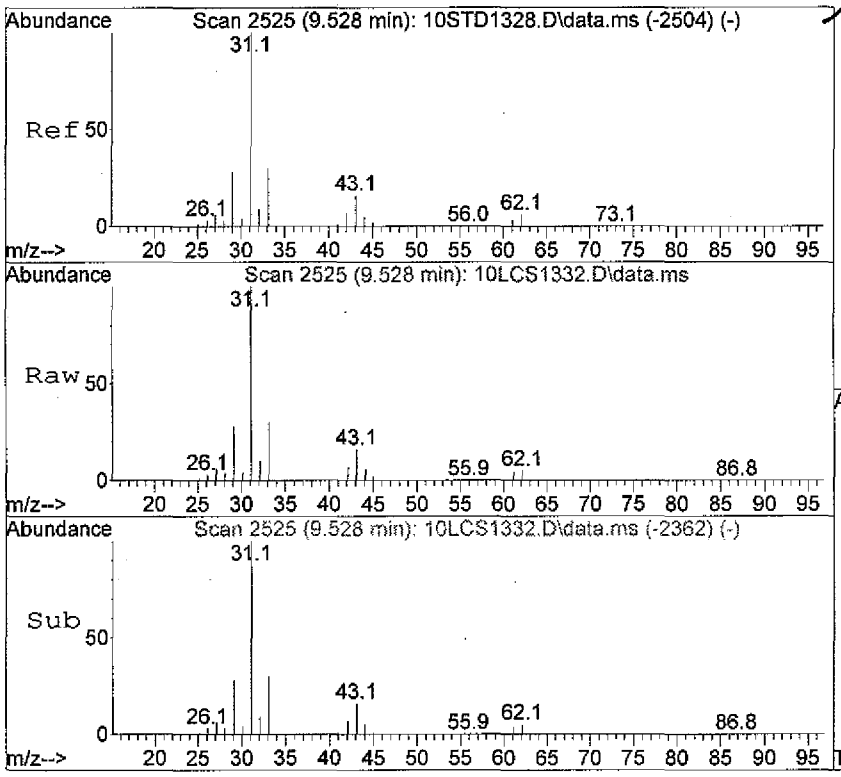


#1
Propylene Glycol
Concen: Below Cal
RT: 9.093 min Scan# 2369
Delta R.T. -0.006 min
Lab File: 10LCS1332.D
Acq: 3 Mar 2012 7:09 pm

Tgt Ion: 45 Resp: 217

Ion	Ratio	Lower	Upper
45	100		
43	55.6	14.0	31.2#
61	0.0	0.0	16.6

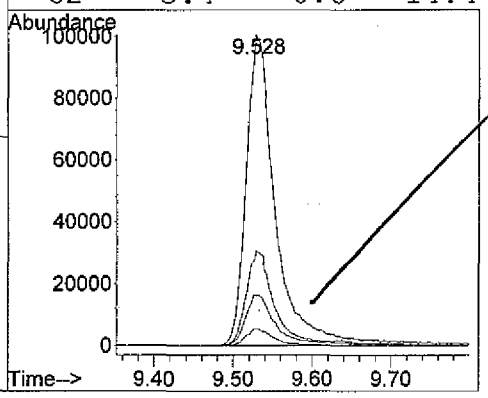




#2
Ethylene Glycol
Concen: 47.15 ug/ml
RT: 9.528 min Scan# 2525
Delta R.T. -0.045 min
Lab File: 10LCS1332.D
Acq: 3 Mar 2012 7:09 pm

Tgt Ion: 31 Resp: 258656

Ion	Ratio	Lower	Upper
31	100		
33	30.4	20.7	38.9
43	16.1	7.8	26.0
62	5.4	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10BLK1333.D
Acq On : 3 Mar 2012 7:35 pm
Operator : kws
Sample : BLK Inst : Betty
Misc : 1µL blk
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 12:04:02 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.132	45	442	N.D.	
2) Ethylene Glycol	9.539	31	4353m	0.79 ug/ml	

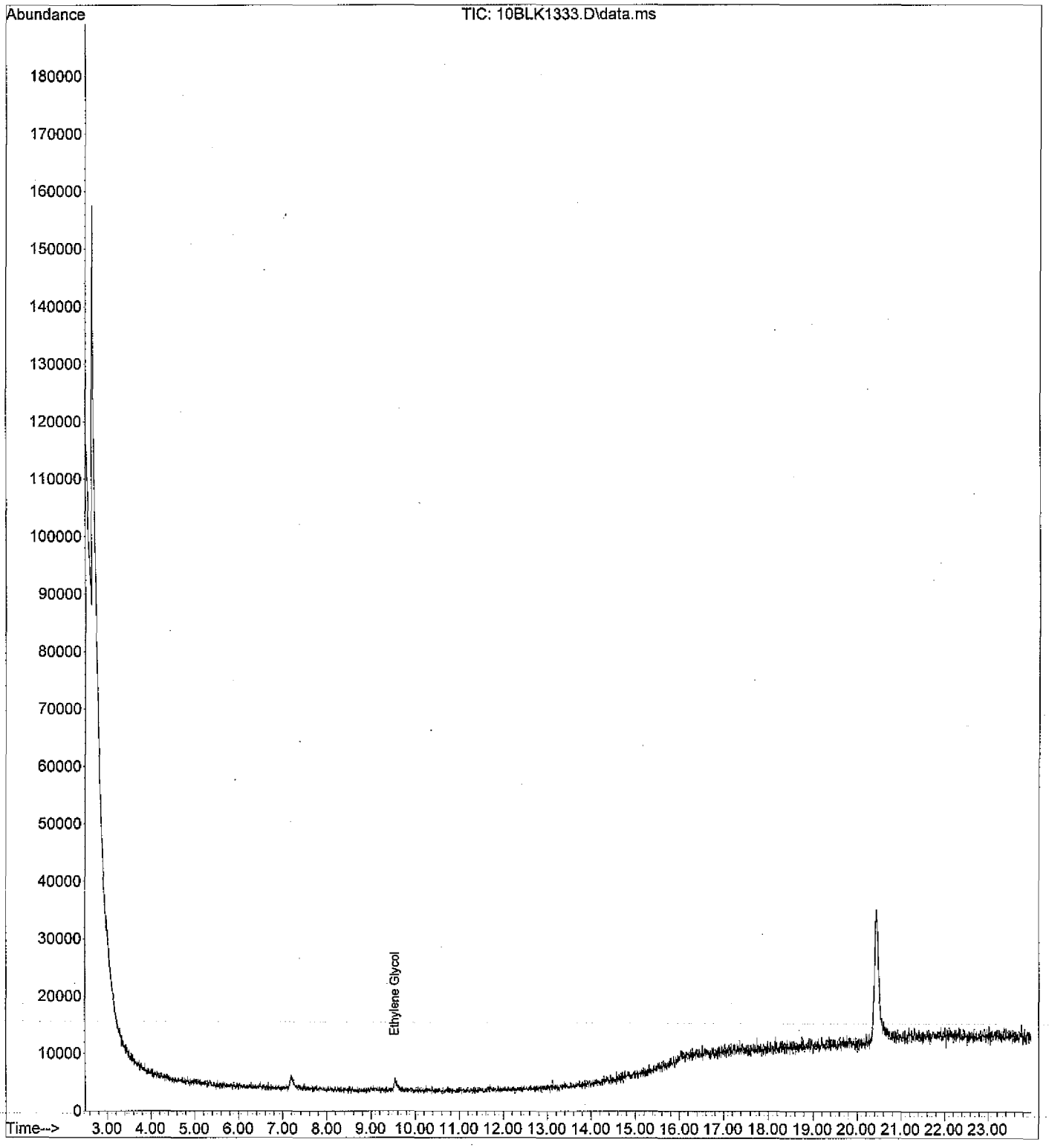
(#) = qualifier out of range (m) = manual integration (+) = signals summed

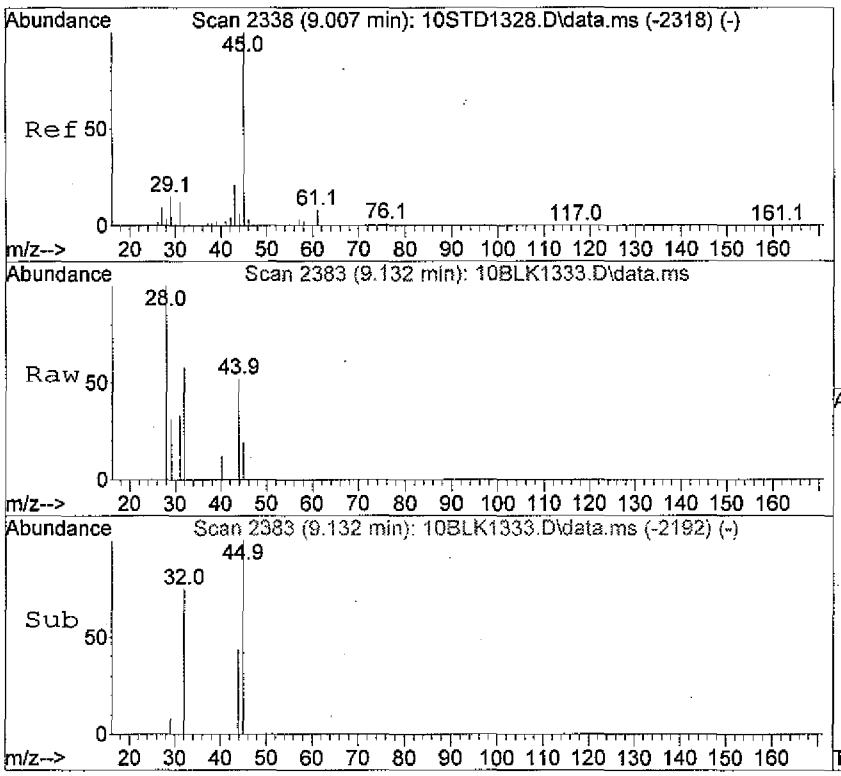
DIM0096205 DIM0096507

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0303\
Data File : 10BLK1333.D
Acq On : 3 Mar 2012 7:35 pm
Operator : kws
Sample : BLK Inst : Betty
Misc : 1µL blk
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 12:04:02 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

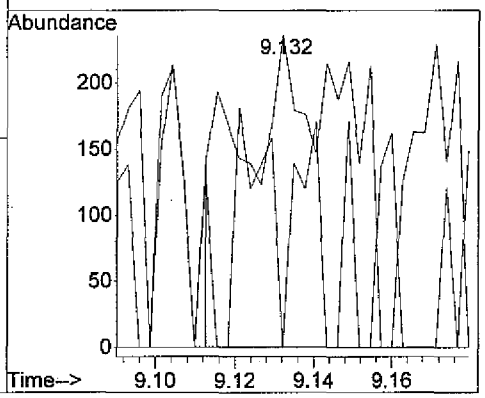


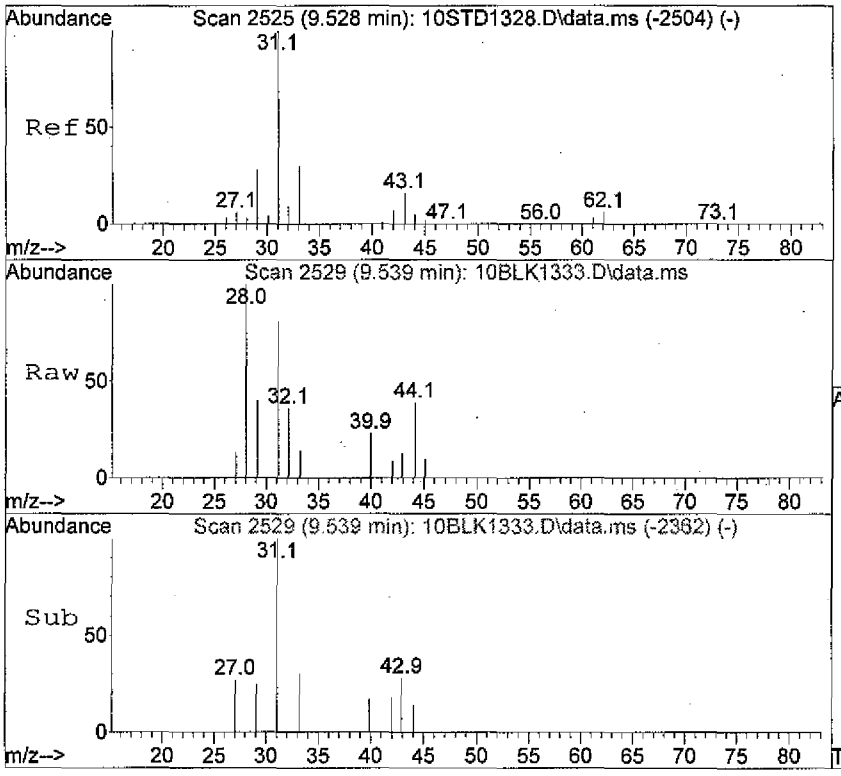


#1
Propylene Glycol
Concen: Below Cal
RT: 9.132 min Scan# 2383
Delta R.T. 0.033 min
Lab File: 10BLK1333.D
Acq: 3 Mar 2012 7:35 pm

Tgt Ion: 45 Resp: 442

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

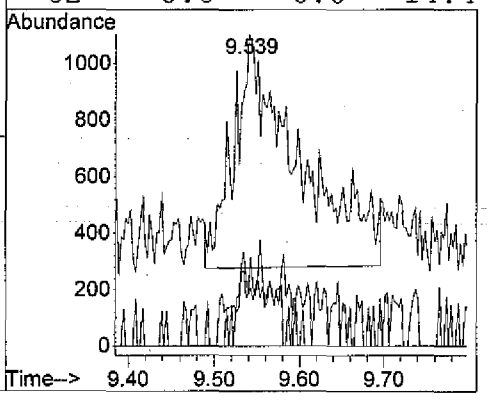




#2
Ethylene Glycol
Concen: 0.79 ug/ml m
RT: 9.539 min Scan# 2529
Delta R.T. -0.034 min
Lab File: 10BLK1333.D
Acq: 3 Mar 2012 7:35 pm

Tgt Ion: 31 Resp: 4353

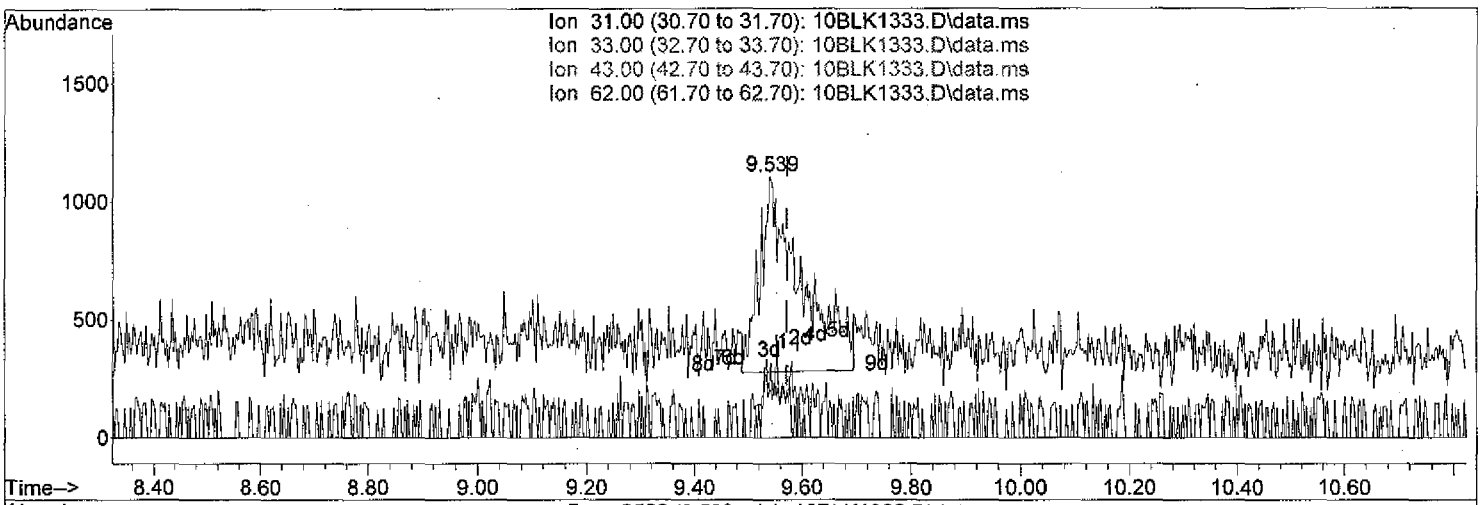
Ion	Ratio	Lower	Upper
31	100		
33	17.7	20.7	38.9#
43	16.6	7.8	26.0
62	0.0	0.0	14.4

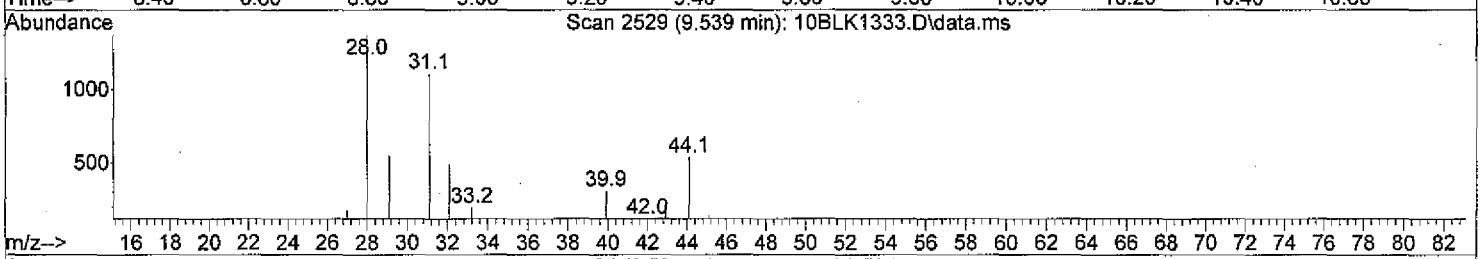


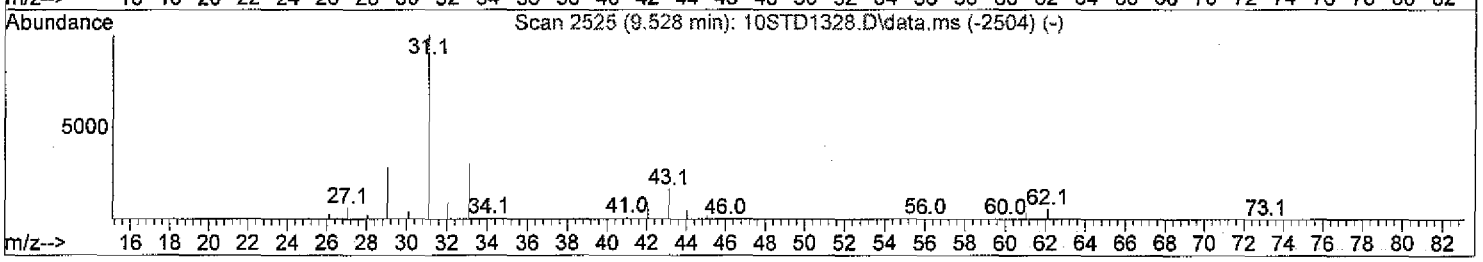
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0303\
Data File : 10BLK1333.D
Acq On : 3 Mar 2012 7:35 pm
Operator : kws
Sample : BLK Inst : Betty
Misc : 1µL blk
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 12:03:25 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration







TIC: 10BLK1333.D\data.ms

(2) Ethylene Glycol

9.539min (-0.034) 0.79 ug/ml m

response 4353

Ion	Exp%	Act%
31.00	100	100
33.00	29.80	17.66#
43.00	16.90	16.58
62.00	5.30	0.00

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10BLK1355.D
Acq On : 9 Mar 2012 10:22 am
Operator : kws
Sample : B2C0702-BLK1 Inst : Betty
Misc : 1x 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 12:17:26 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.090	45	322	N.D.	
2) Ethylene Glycol	9.581	31	612	0.11 ug/ml#	56

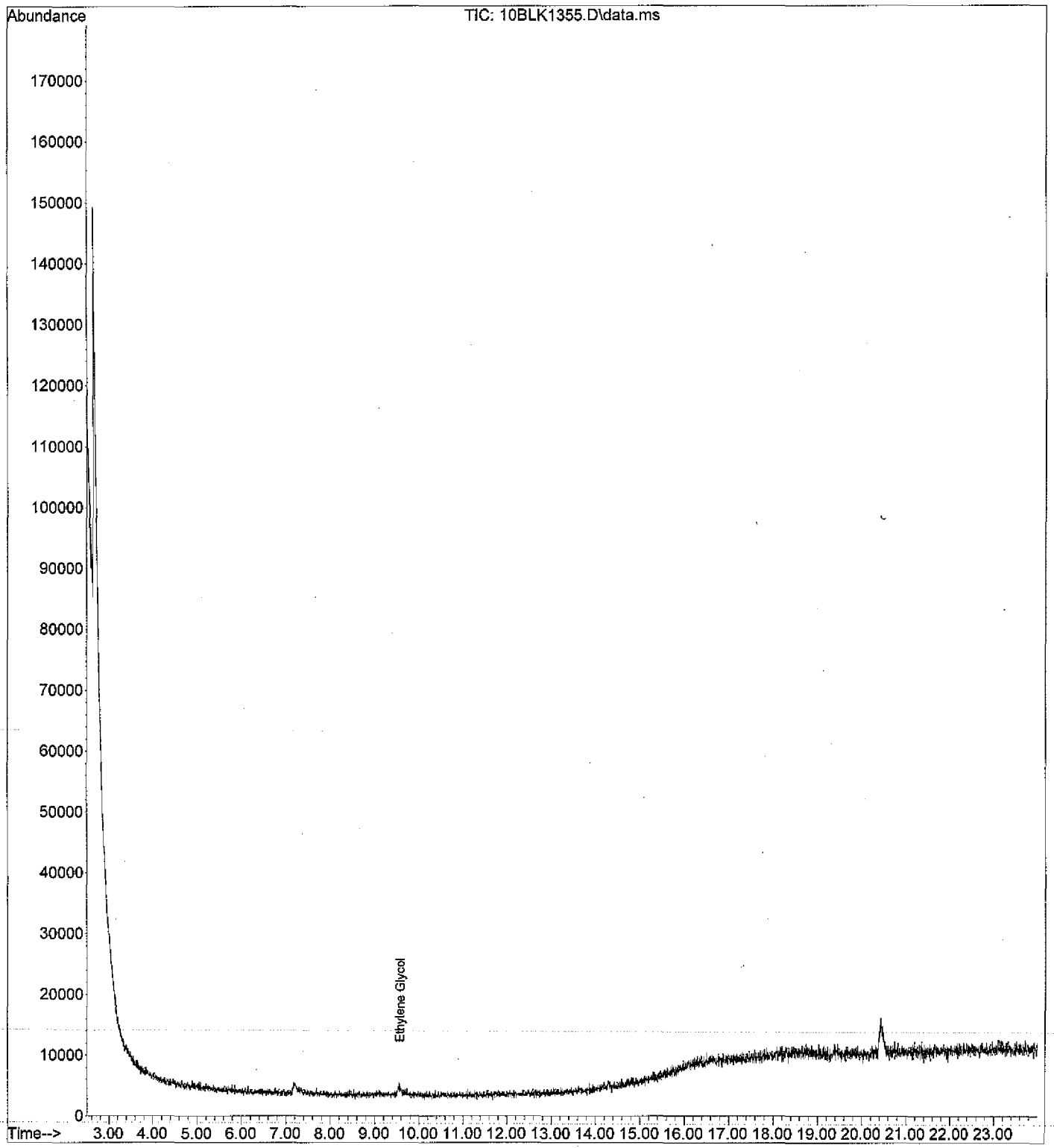
(#) = qualifier out of range (m) = manual integration (+) = signals summed

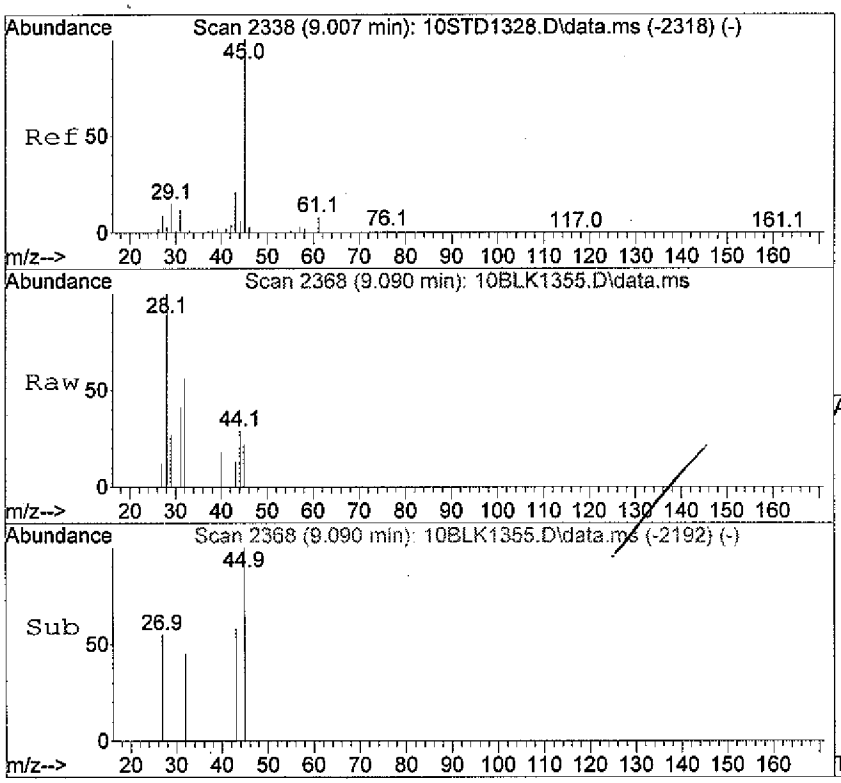
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10BLK1355.D
Acq On : 9 Mar 2012 10:22 am
Operator : kws
Sample : B2C0702-BLK1 Inst : Betty
Misc : 1x 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 12:17:26 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

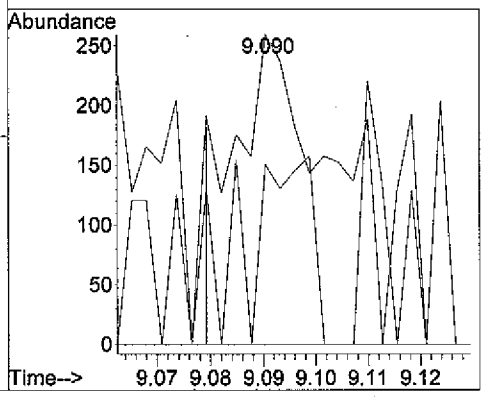


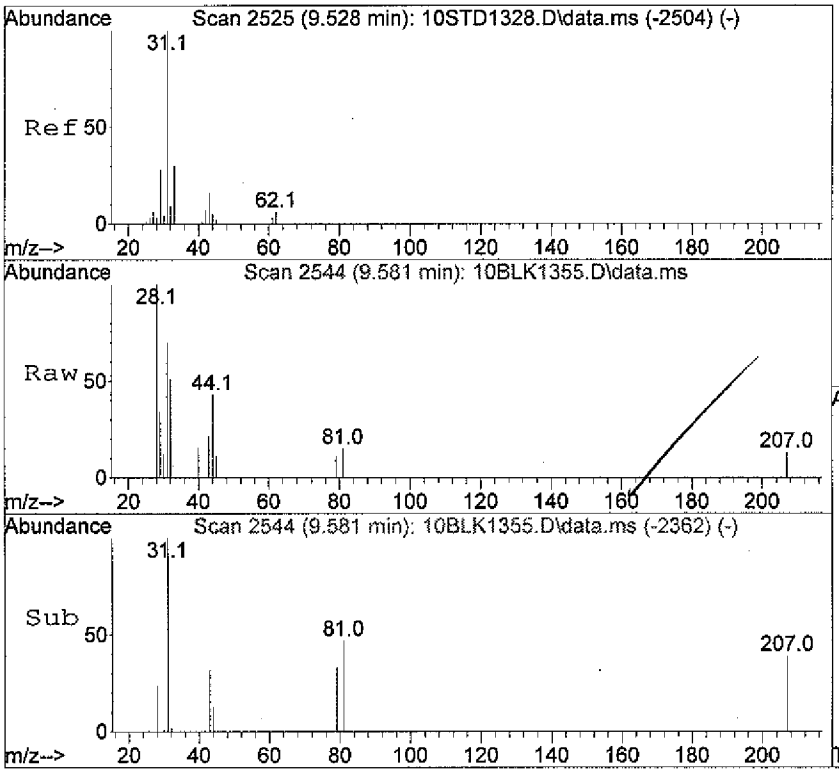


#1
Propylene Glycol
Concen: Below Cal
RT: 9.090 min Scan# 2368
Delta R.T. -0.009 min
Lab File: 10BLK1355.D
Acq: 9 Mar 2012 10:22 am

Tgt Ion: 45 Resp: 322

Ion	Ratio	Lower	Upper
45	100		
43	58.1	14.0	31.2#
61	0.0	0.0	16.6

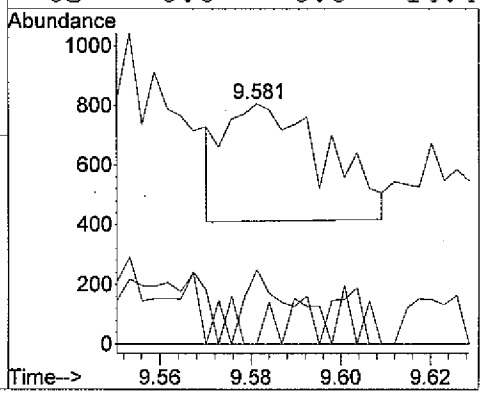




#2
Ethylene Glycol
Concen: 0.11 ug/ml
RT: 9.581 min Scan# 2544
Delta R.T. 0.008 min
Lab File: 10BLK1355.D
Acq: 9 Mar 2012 10:22 am

Tgt Ion: 31 Resp: 612

Ion	Ratio	Lower	Upper
31	100		
33	0.0	20.7	38.9#
43	30.9	7.8	26.0#
62	0.0	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10BLK1377.D
Acq On : 14 Mar 2012 2:39 pm
Operator : kws
Sample : B2C0702-BLK2 Inst : Betty
Misc : 1X 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 06:04:32 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.107	45	262	N.D.		
2) Ethylene Glycol	9.562	31	2831m	0.52	ug/ml	

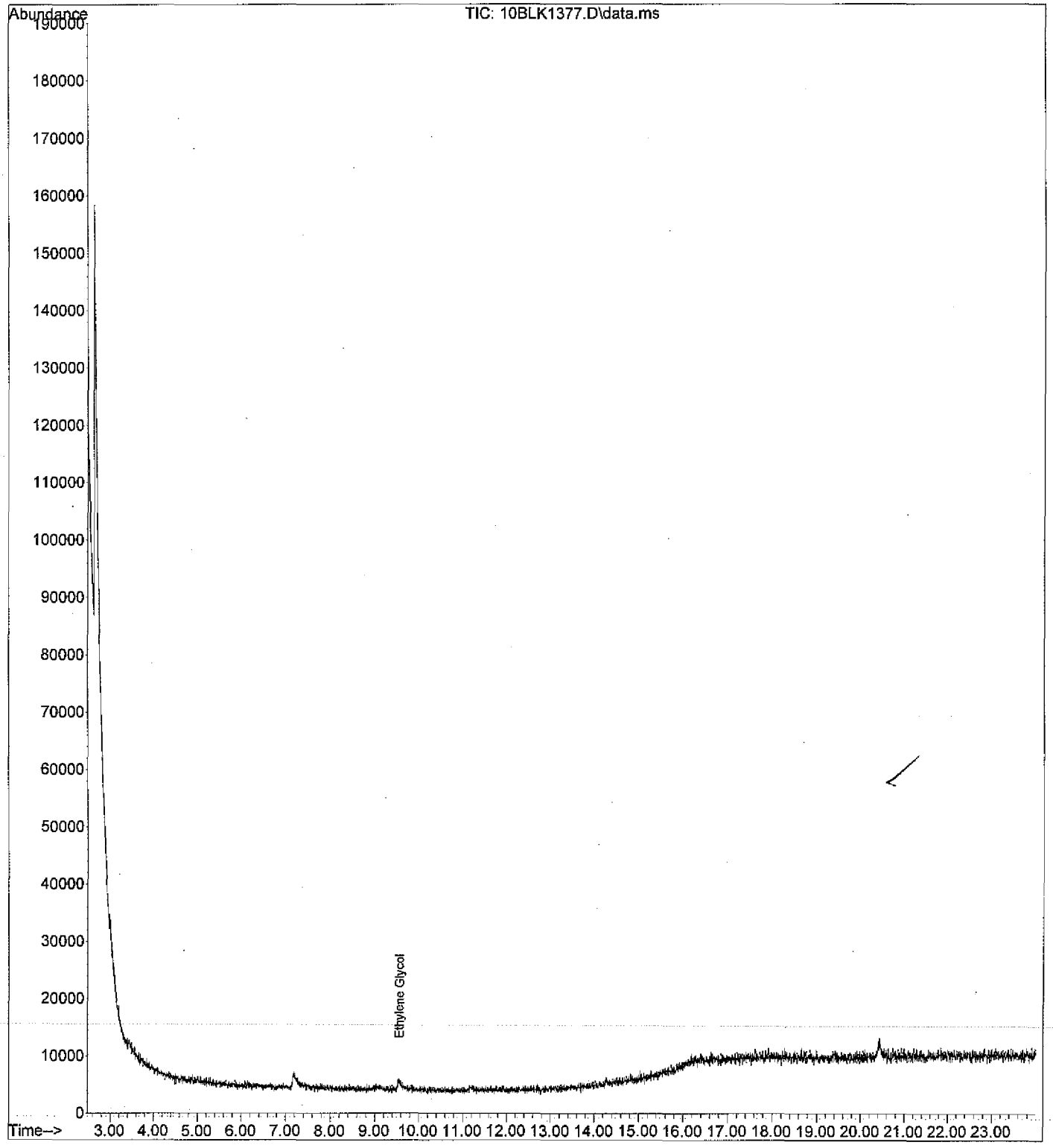
(#) = qualifier out of range (m) = manual integration (+) = signals summed

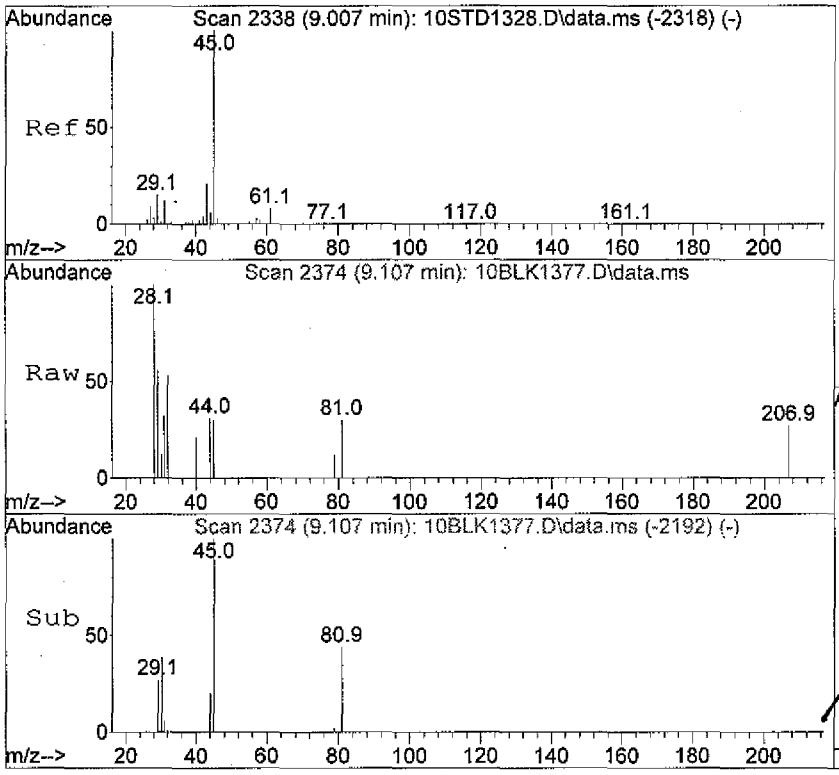
DIM0096205 DIM0096514

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10BLK1377.D
Acq On : 14 Mar 2012 2:39 pm
Operator : kws
Sample : B2C0702-BLK2 Inst : Betty
Misc : 1X 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 06:04:32 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

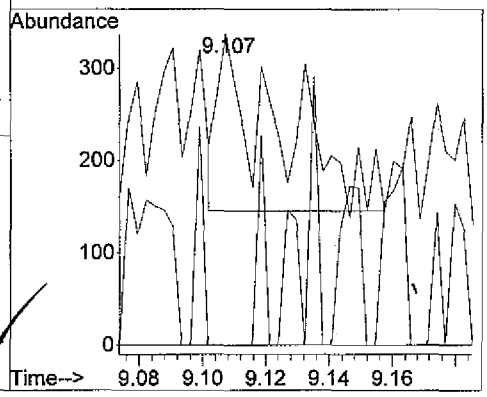


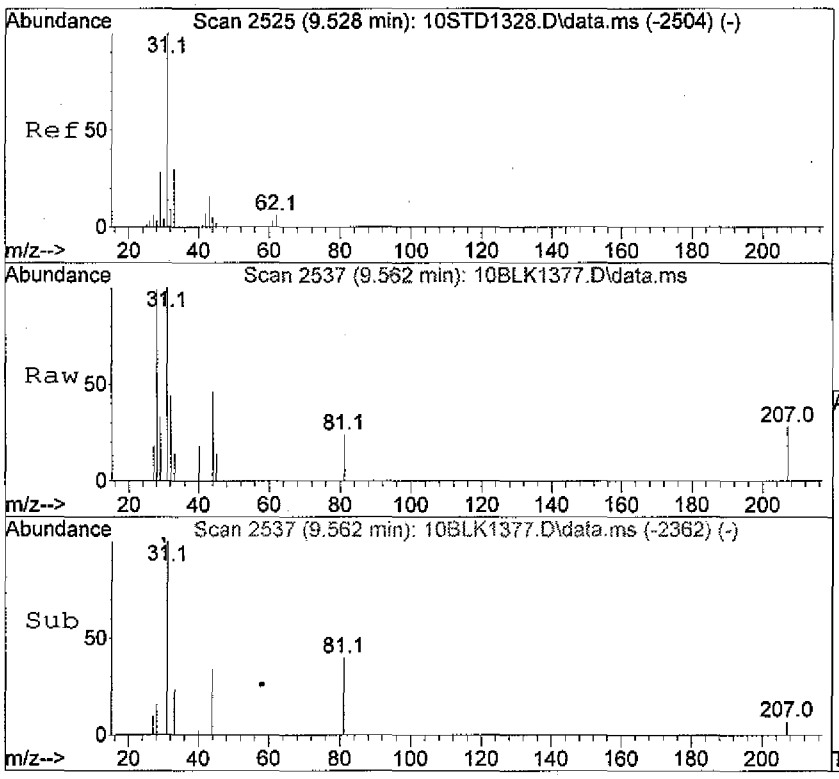


#1
Propylene Glycol
Concen: Below Cal
RT: 9.107 min Scan# 2374
Delta R.T. 0.008 min
Lab File: 10BLK1377.D
Acq: 14 Mar 2012 2:39 pm

Tgt Ion: 45 Resp: 262

Ion	Ratio	Lower	Upper
45	100		
43	0.0	14.0	31.2#
61	0.0	0.0	16.6

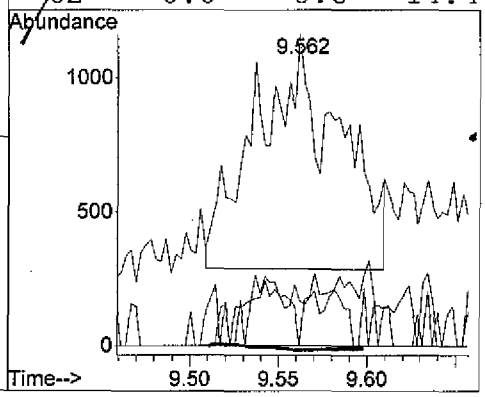




#2
Ethylene Glycol
Concen: 0.52 ug/ml m
RT: 9.562 min Scan# 2537
Delta R.T. -0.011 min
Lab File: 10BLK1377.D
Acq: 14 Mar 2012 2:39 pm

Tgt Ion: 31 Resp: 2831

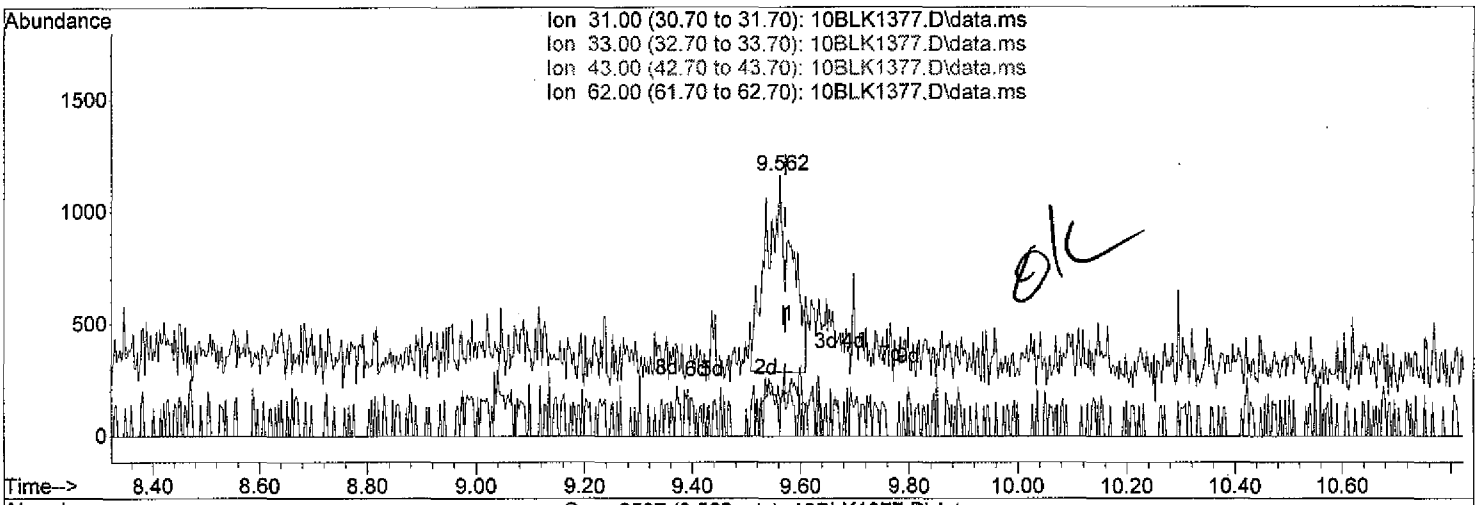
Ion	Ratio	Lower	Upper
31	100		
33	14.5	20.7	38.9#
43	0.0	7.8	26.0#
62	0.0	0.0	14.4

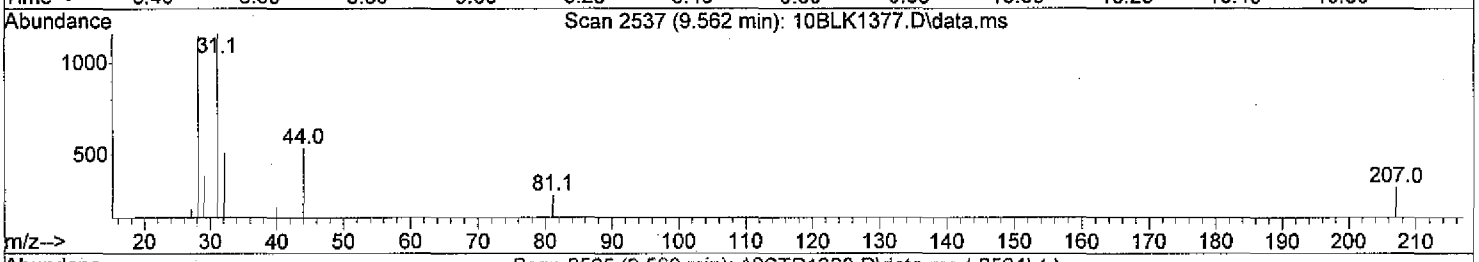


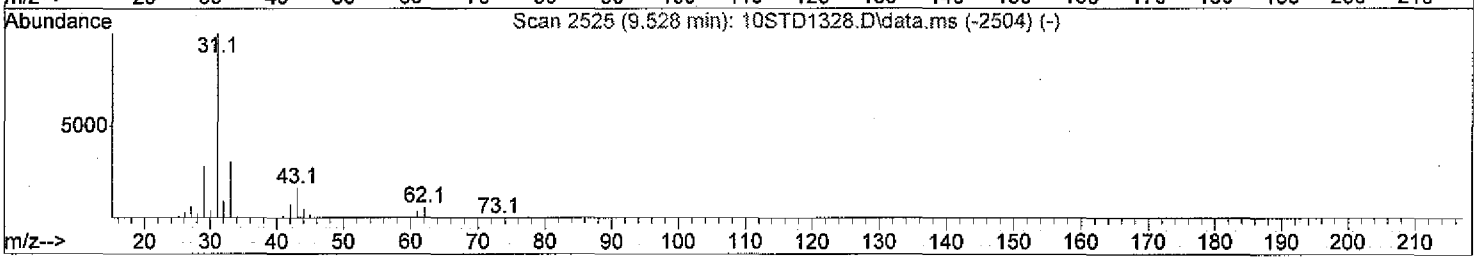
Quantitation Report (Qedit)

Data Path : D:\1\DATA\12_0314\
Data File : 10BLK1377.D
Acq On : 14 Mar 2012 2:39 pm
Operator : kws
Sample : B2C0702-BLK2 Inst : Betty
Misc : 1X 1 µL method (aq.) blk
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 06:03:40 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration







TIC: 10BLK1377.D\data.ms

(2) Ethylene Glycol

9.562min (-0.011) 0.52 ug/ml m

response 2831

Ion	Exp%	Act%
31.00	100	100
33.00	29.80	14.47#
43.00	16.90	0.00#
62.00	5.30	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10LCS1354.D
Acq On : 9 Mar 2012 9:56 am
Operator : kws
Sample : B2C0702-BS1 Inst : Betty
Misc : 1x 1 µL 50 µg/mL Ethylene Glycol std
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 12:13:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.026	45	2135	0.22 ug/ml#	67
2) Ethylene Glycol	9.531	31	267348	48.74 µg/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

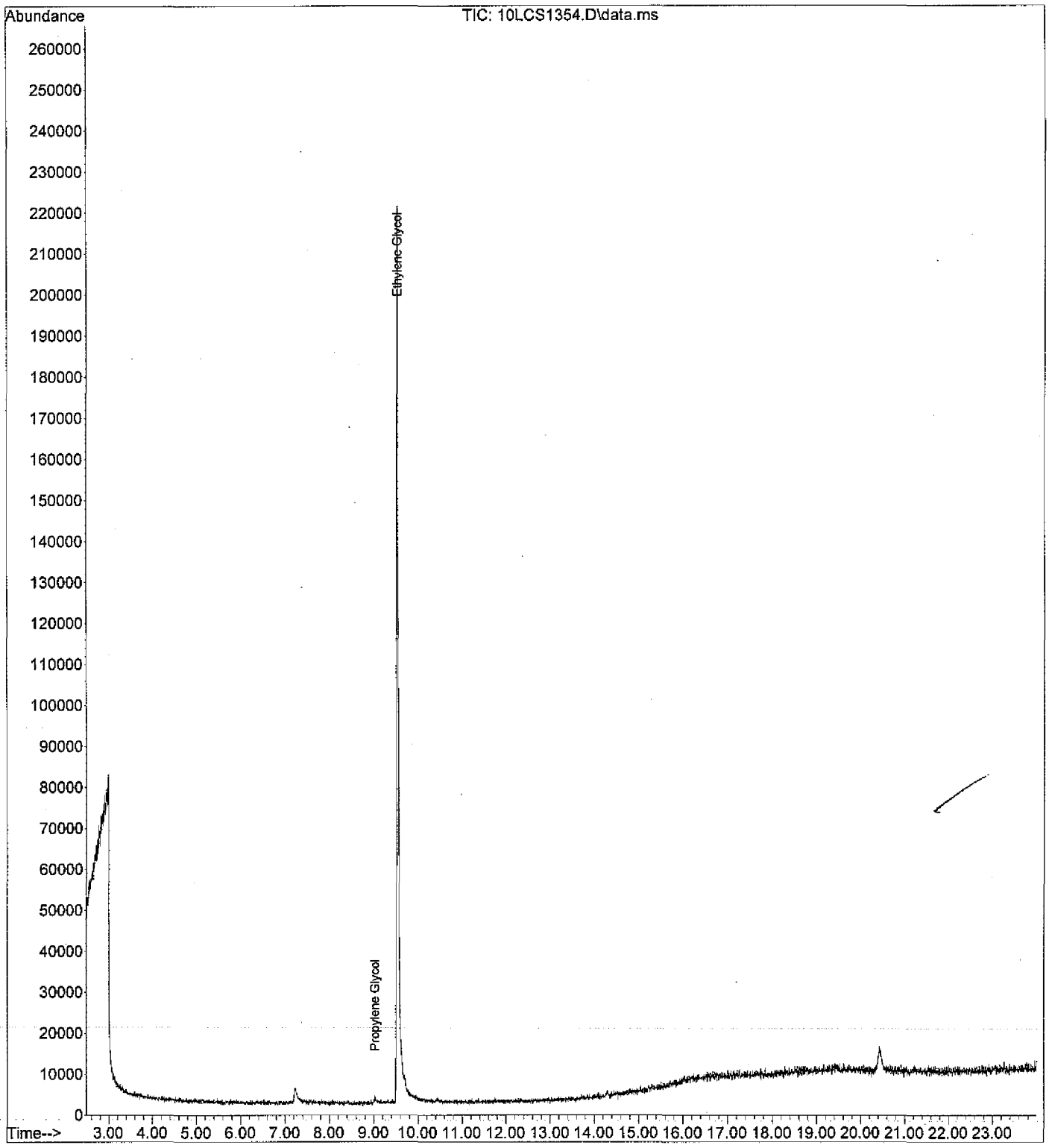
NOTE: WILL NOTE Report due to missing ANALYTE (PROPYLENE GLYCOL)

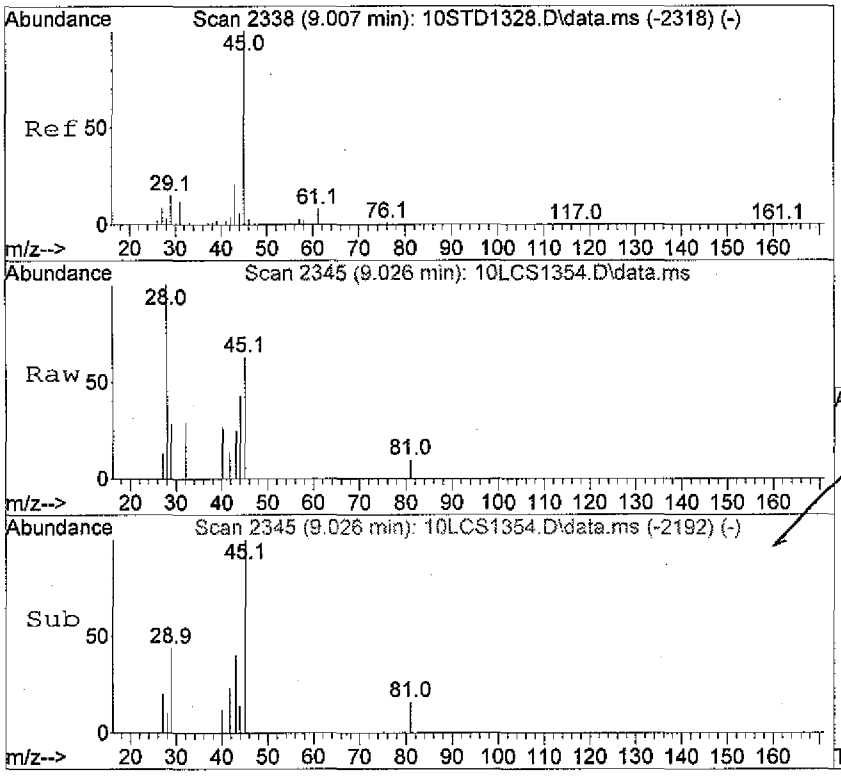
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10LCS1354.D
Acq On : 9 Mar 2012 9:56 am
Operator : kws
Sample : B2C0702-BS1 Inst : Betty
Misc : 1x 1 µL 50 µg/mL Ethylene Glycol std
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 12:13:58 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

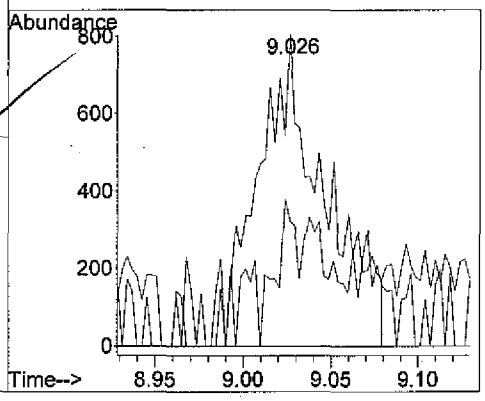


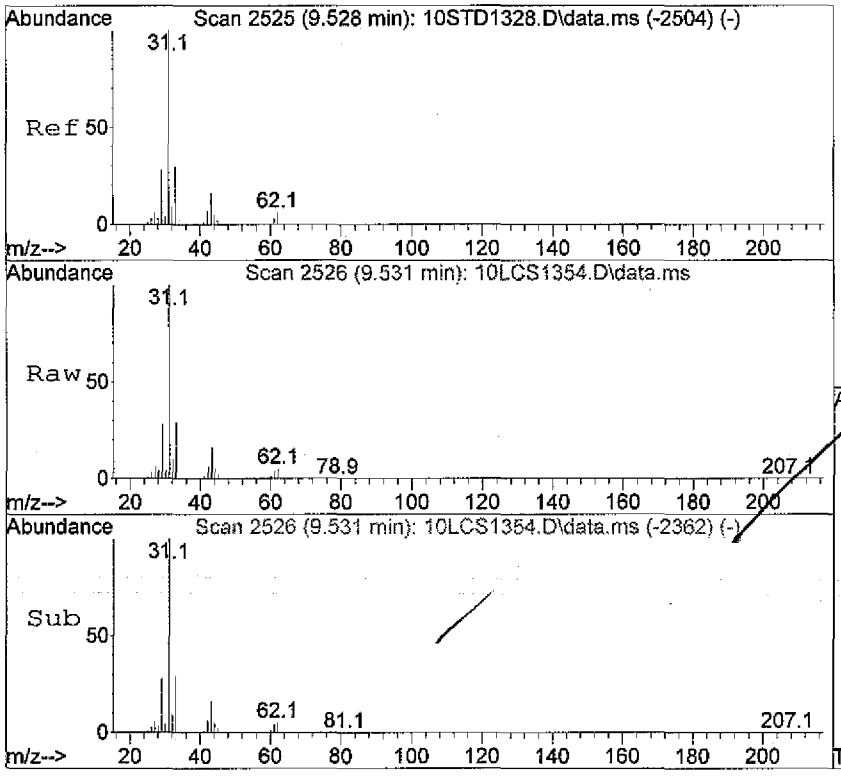


#1
Propylene Glycol
Concen: 0.22 ug/ml
RT: 9.026 min Scan# 2345
Delta R.T. -0.073 min
Lab File: 10LCS1354.D
Acq: 9 Mar 2012 9:56 am

Tgt Ion: 45 Resp: 2135

Ion	Ratio	Lower	Upper
45	100		
43	40.0	14.0	31.2#
61	0.0	0.0	16.6

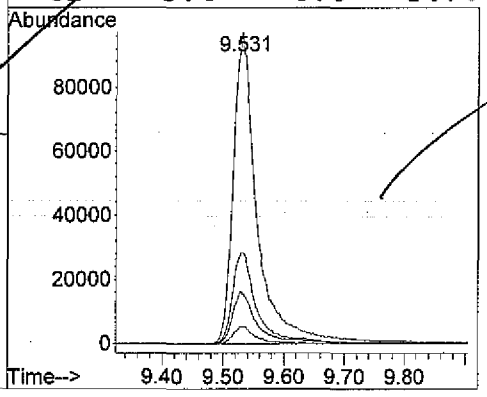




#2
Ethylene Glycol
Concen: 48.74 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.042 min
Lab File: 10LCS1354.D
Acq: 9 Mar 2012 9:56 am

Tgt Ion: 31 Resp: 267348

Ion	Ratio	Lower	Upper
31	100		
33	29.3	20.7	38.9
43	16.2	7.8	26.0
62	5.4	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10LCS1375.D
Acq On : 14 Mar 2012 1:48 pm
Operator : kws
Sample : B2C0702-BS2 Inst : Betty
Misc : 1x 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 05:52:25 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	542649	56.06 ug/ml	99
2) Ethylene Glycol	9.528	31	282356	51.47 ug/ml	98

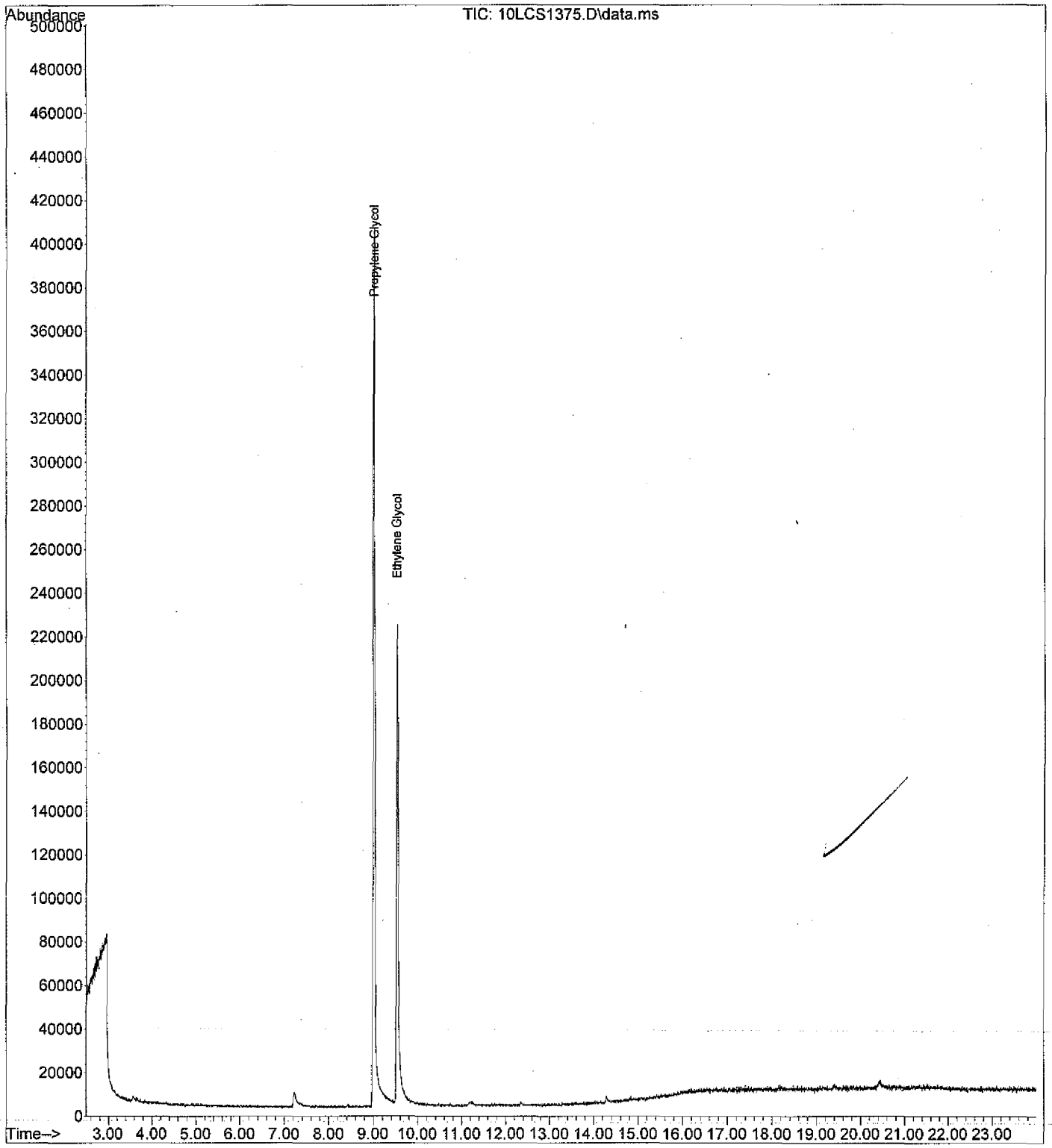
(#) = qualifier out of range (m) = manual integration (+) = signals summed

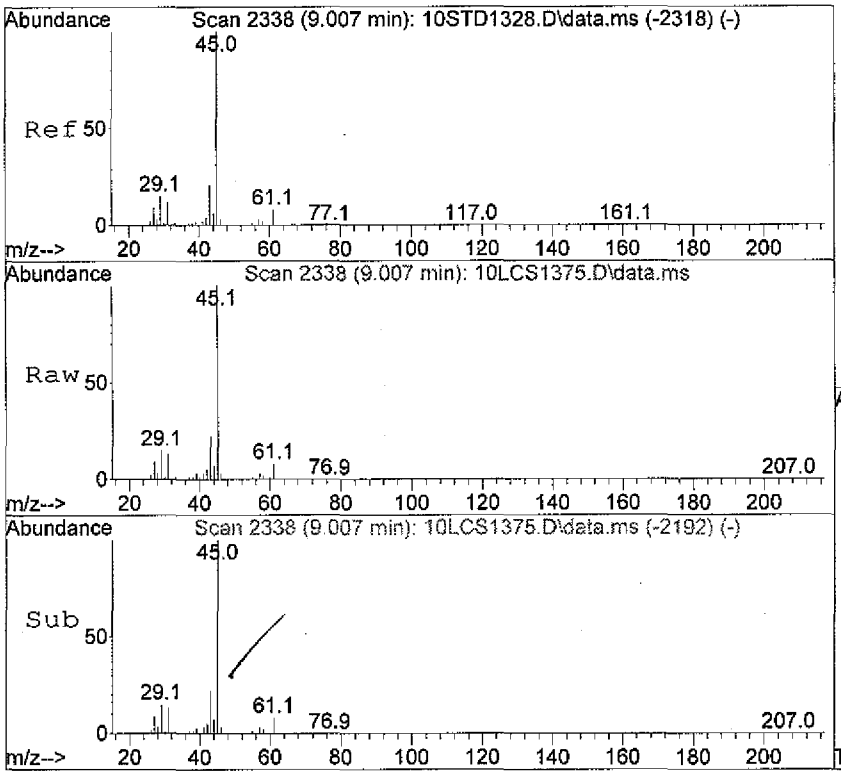
DIM0096205 DIM0096521

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10LCS1375.D
Acq On : 14 Mar 2012 1:48 pm
Operator : kws
Sample : B2C0702-BS2 Inst : Betty
Misc : 1x 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 05:52:25 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

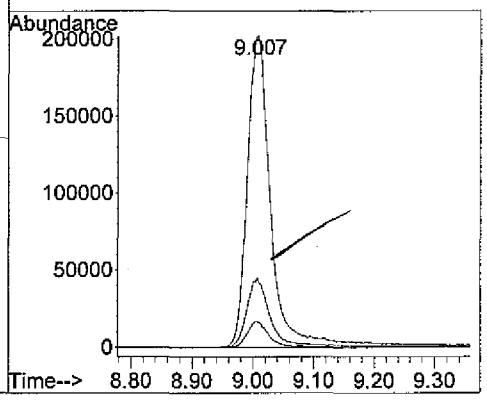


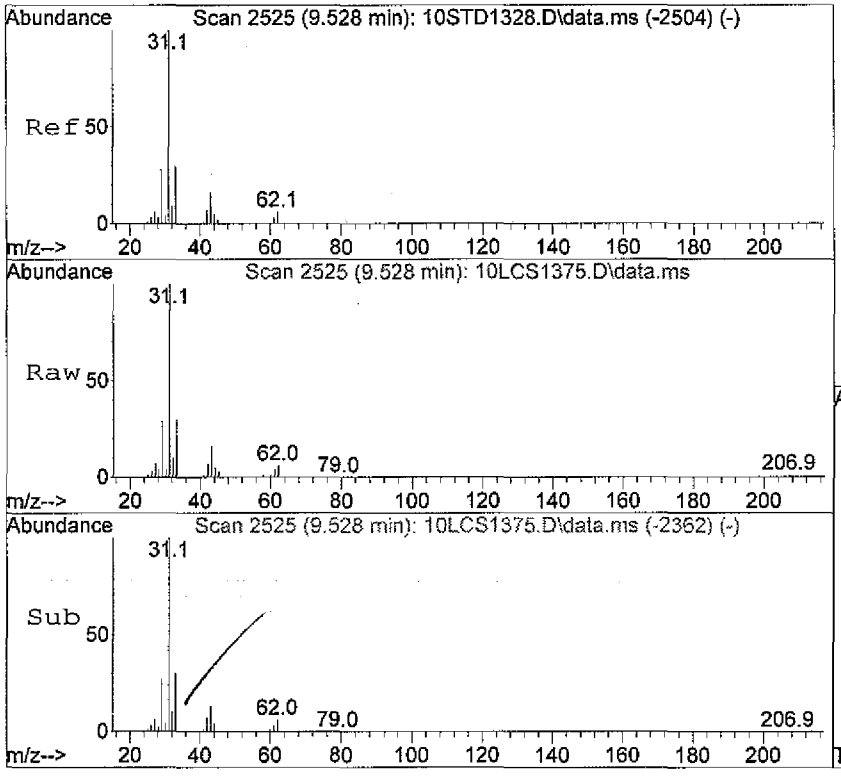


#1
Propylene Glycol
Concen: 56.06 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.092 min
Lab File: 10LCS1375.D
Acq: 14 Mar 2012 1:48 pm

Tgt Ion: 45 Resp: 542649

Ion	Ratio	Lower	Upper
45	100		
43	22.2	14.0	31.2
61	8.1	0.0	16.6

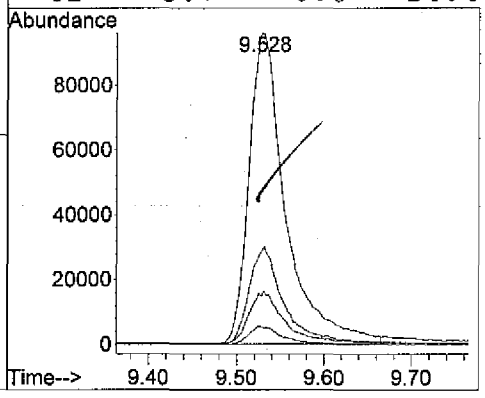




#2
Ethylene Glycol
Concen: 51.47 ug/ml
RT: 9.528 min Scan# 2525
Delta R.T. -0.045 min
Lab File: 10LCS1375.D
Acq: 14 Mar 2012 1:48 pm

Tgt Ion: 31 Resp: 282356

Ion	Ratio	Lower	Upper
31	100		
33	30.2	20.7	38.9
43	15.6	7.8	26.0
62	5.7	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1357.D
Acq On : 9 Mar 2012 11:14 am
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1x 1 µL 1203005-02 B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 06:13:04 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) Propylene Glycol	9.004	45	448407	46.32	ug/ml	98
2) Ethylene Glycol	9.528	31	256471	46.75	ug/ml	98

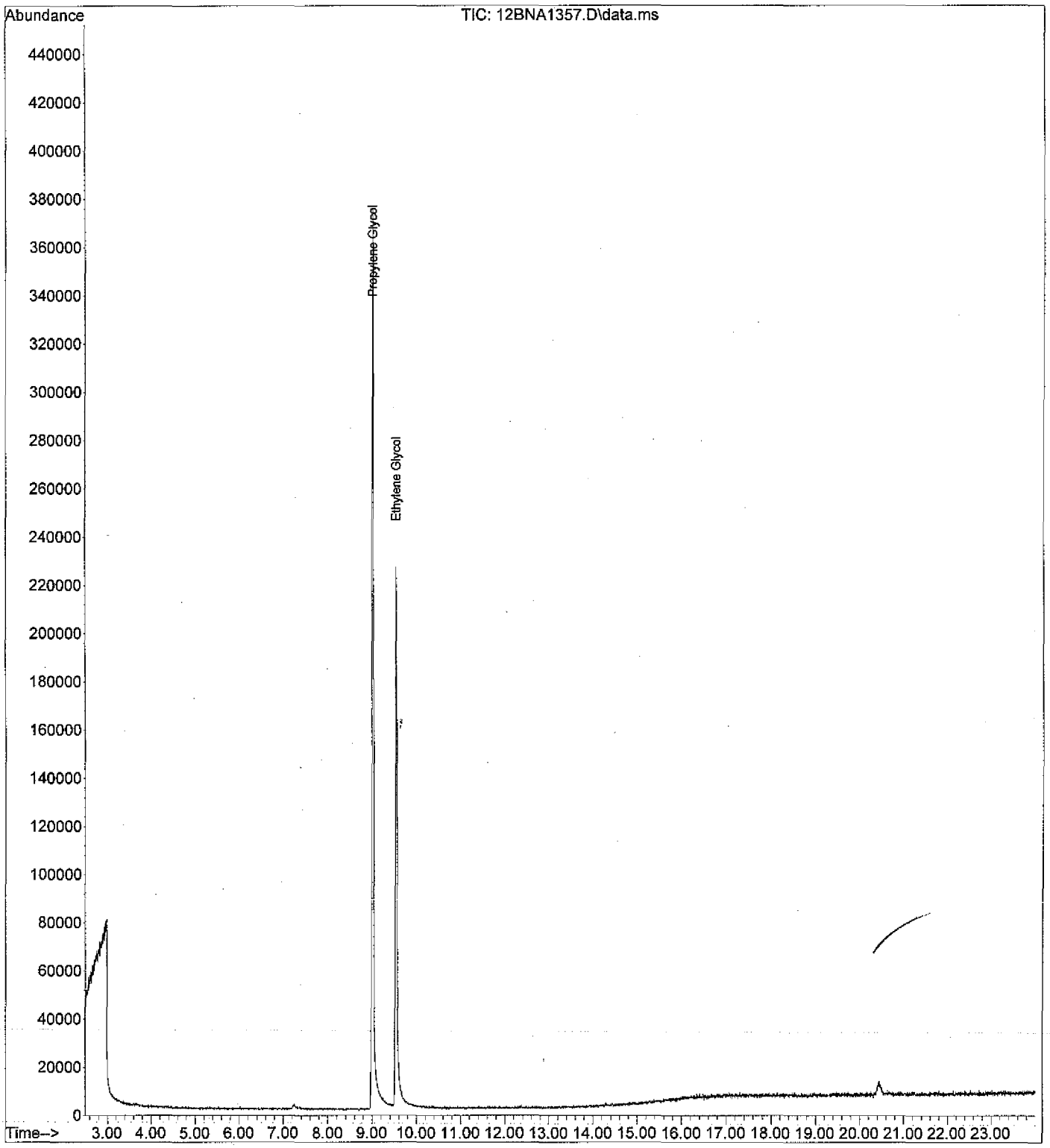
(#) = qualifier out of range (m) = manual integration (+) = signals summed

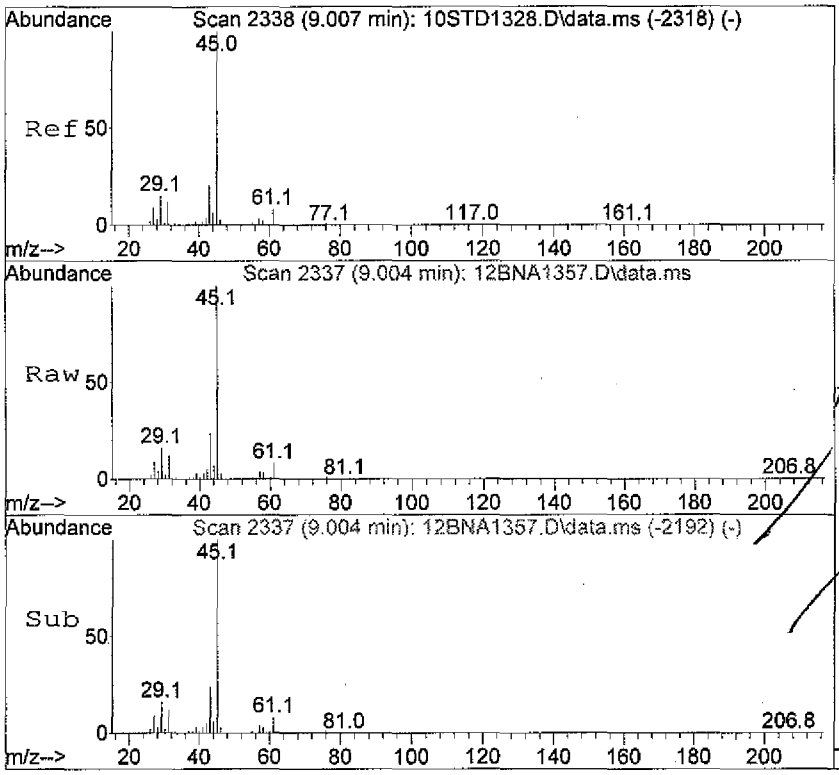
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1357.D
Acq On : 9 Mar 2012 11:14 am
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1x 1 µL 1203005-02 B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 06:13:04 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

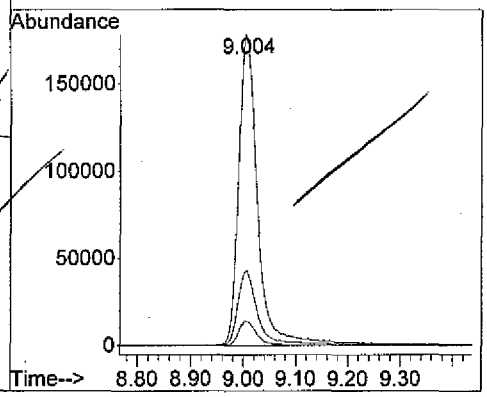


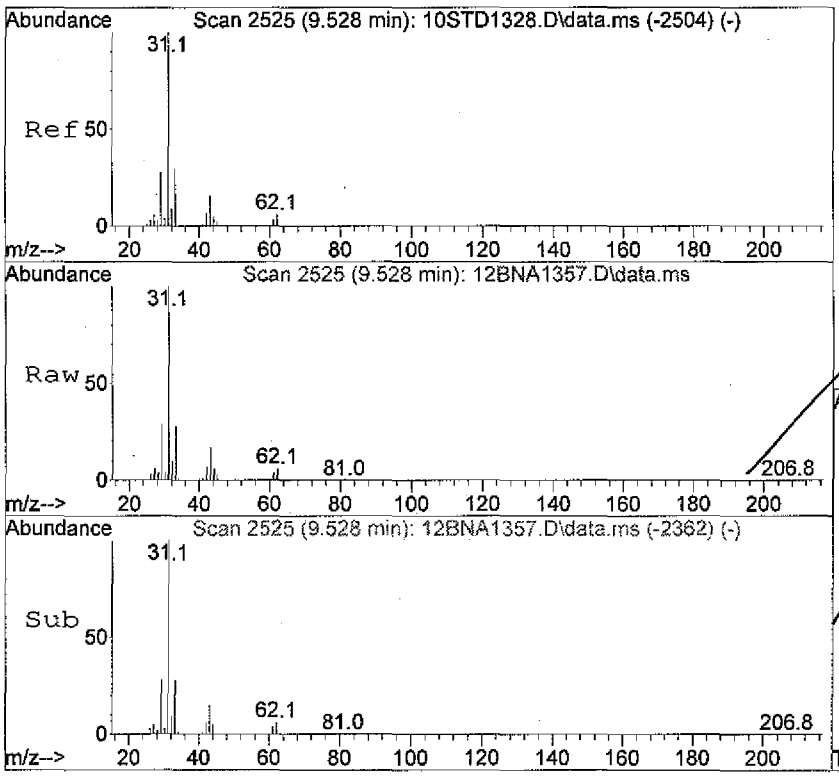


#1
Propylene Glycol
Concen: 46.32 ug/ml
RT: 9.004 min Scan# 2337
Delta R.T. -0.095 min
Lab File: 12BNA1357.D
Acq: 9 Mar 2012 11:14 am

Tgt Ion: 45 Resp: 448407

Ion	Ratio	Lower	Upper
45	100		
43	23.9	14.0	31.2
61	7.7	0.0	16.6

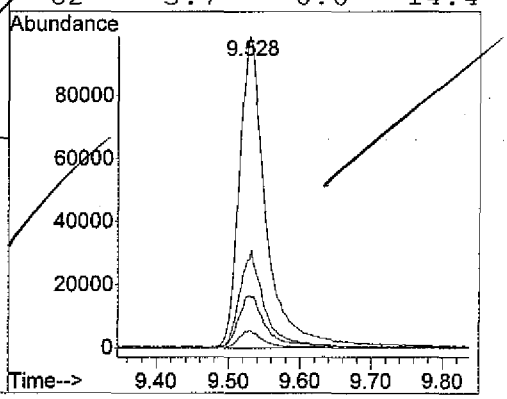




#2
Ethylene Glycol
Concen: 46.75 ug/ml
RT: 9.528 min Scan# 2525
Delta R.T. -0.045 min
Lab File: 12BNA1357.D
Acq: 9 Mar 2012 11:14 am

Tgt Ion: 31 Resp: 256471

Ion	Ratio	Lower	Upper
31	100		
33	28.3	20.7	38.9
43	16.9	7.8	26.0
62	5.7	0.0	14.4



Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1358.D
Acq On : 9 Mar 2012 11:40 am
Operator : kws
Sample : B2C0702-MSD1 Inst : Betty
Misc : 1x 1 µL 1203005-02 (C)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 13:27:57 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	432465	44.67 ug/ml	98
2) Ethylene Glycol	9.531	31	254933	46.47 ug/ml	99

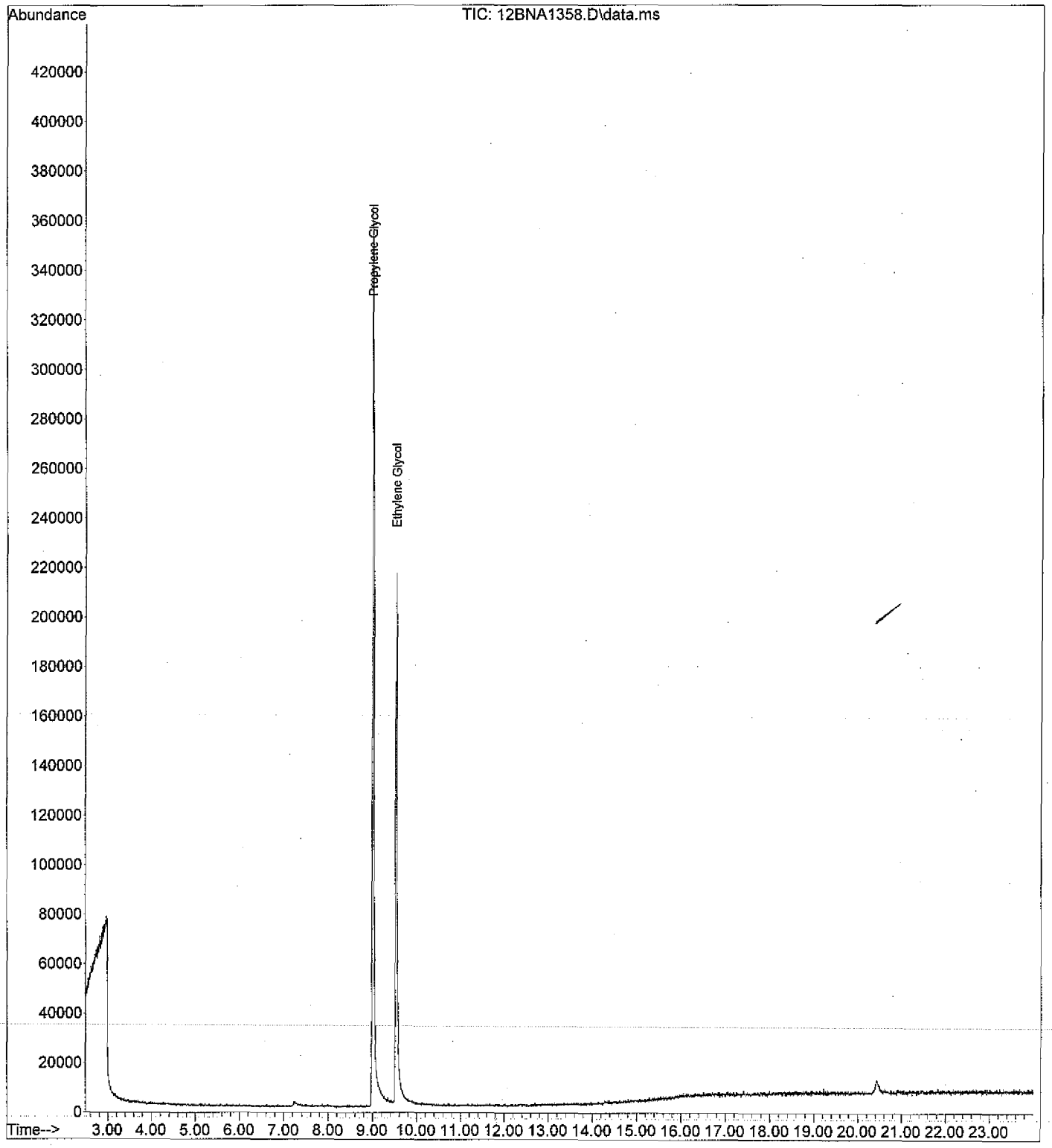
(#) = qualifier out of range (m) = manual integration (+) = signals summed

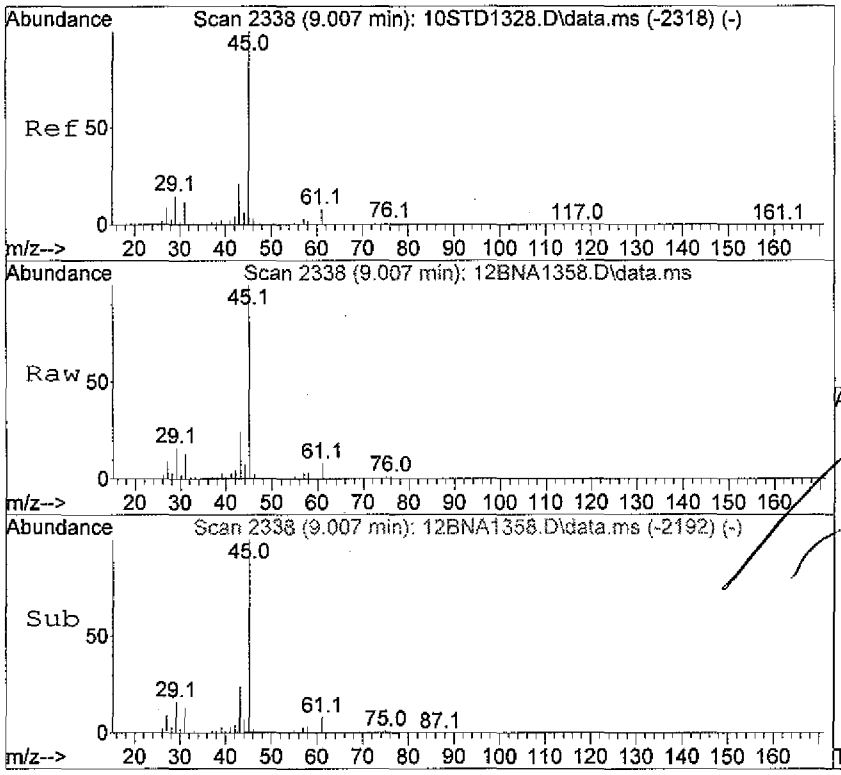
KWS

Quantitation Report (QT Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1358.D
Acq On : 9 Mar 2012 11:40 am
Operator : kws
Sample : B2C0702-MSD1 Inst : Betty
Misc : 1x 1 µL 1203005-02 C
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 13:27:57 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

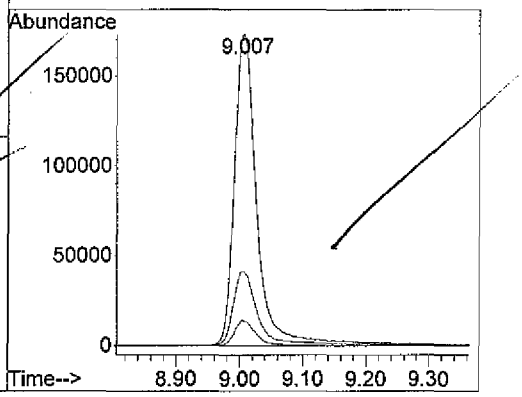


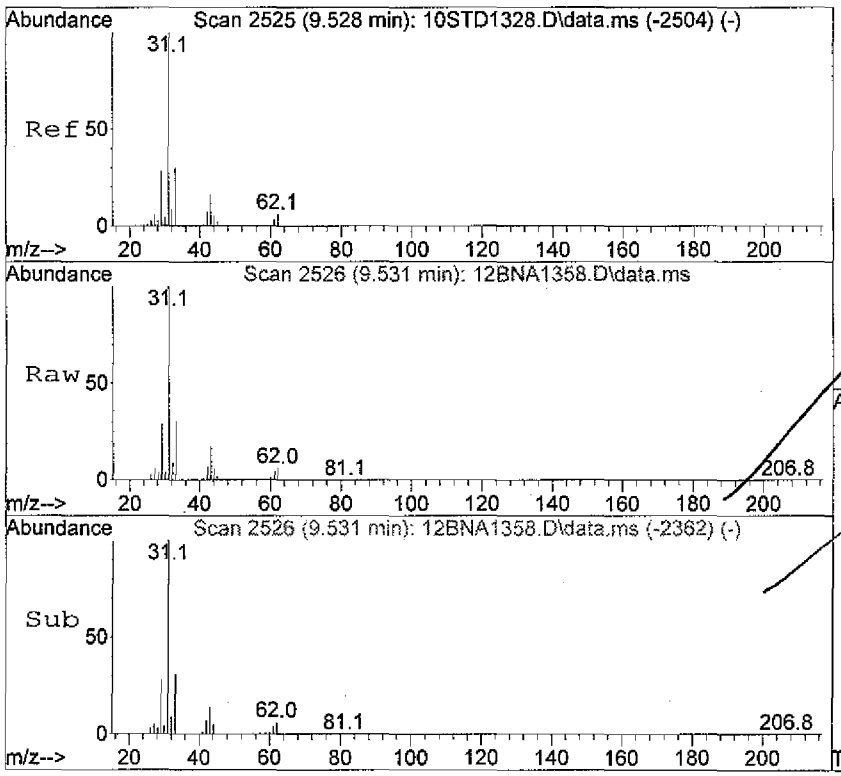


#1
Propylene Glycol
Concen: 44.67 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.092 min
Lab File: 12BNA1358.D
Acq: 9 Mar 2012 11:40 am

Tgt Ion: 45 Resp: 432465

Ion	Ratio	Lower	Upper
45	100		
43	23.9	14.0	31.2
61	7.7	0.0	16.6

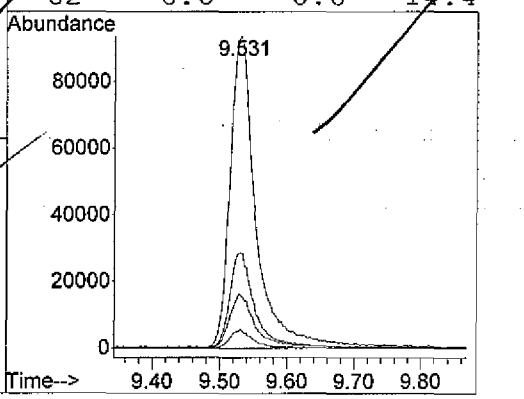




#2
Ethylene Glycol
Concen: 46.47 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.042 min
Lab File: 12BNA1358.D
Acq: 9 Mar 2012 11:40 am

Tgt Ion: 31 Resp: 254933

Ion	Ratio	Lower	Upper
31	100		
33	30.5	20.7	38.9
43	16.9	7.8	26.0
62	6.0	0.0	14.4



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1359.D
Acq On : 9 Mar 2012 12:07 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 13:28:49 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

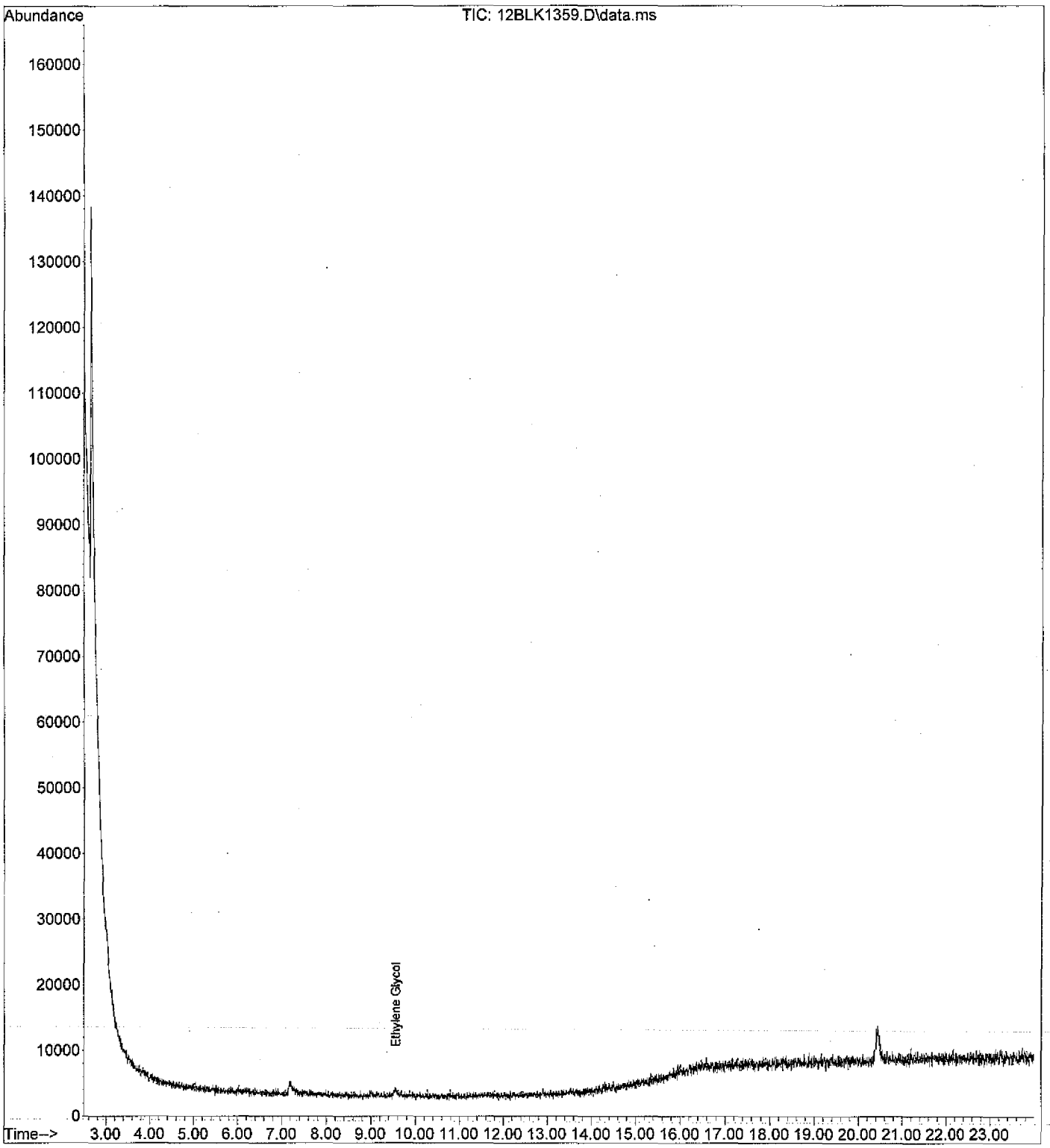
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.107	45	199	N.D.	
2) Ethylene Glycol	9.559	31	459	0.08 ug/ml#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1359.D
Acq On : 9 Mar 2012 12:07 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 13:28:49 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1360.D
Acq On : 9 Mar 2012 12:33 pm
Operator : kws
Sample : blk
Misc : 1 µL clean up blk
ALS Vial : 8 Sample Multiplier: 1

SUMMARY

Inst : Betty

Quant Time: Mar 14 13:29:21 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.113	45	216	N.D.	
2) Ethylene Glycol	9.584	31	307	0.06 ug/ml#	54

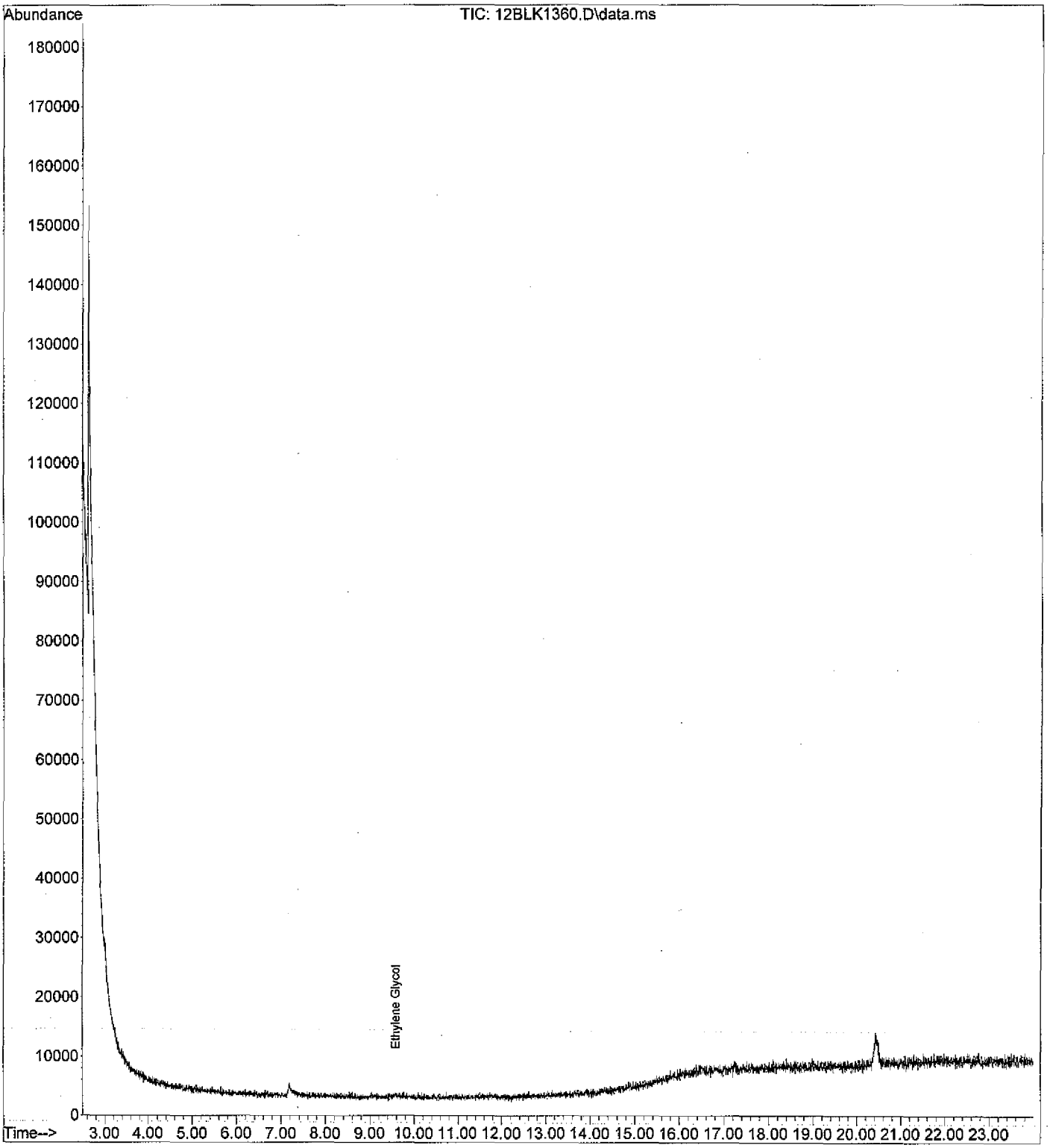
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0096205 DIM0096532

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1360.D
Acq On : 9 Mar 2012 12:33 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 13:29:21 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1363.D
Acq On : 9 Mar 2012 1:51 pm
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1 µL 1203005-02 B
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 06:19:47 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.101	45	108	N.D.	
2) Ethylene Glycol	9.531	31	187786	34.23 ug/ml	99

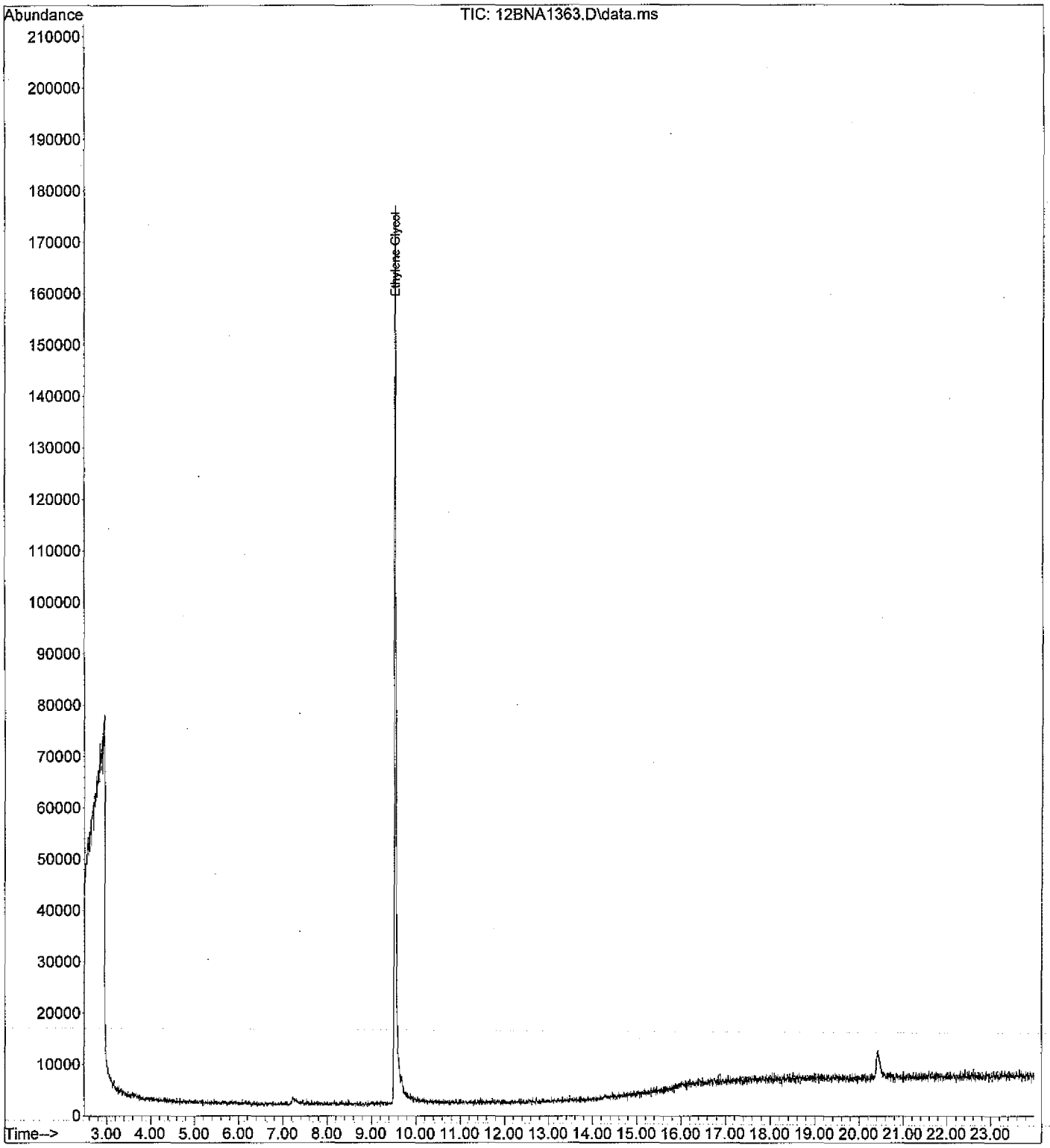
(#) = qualifier out of range (m) = manual integration (+) = signals summed

NOTE: WILL NOT REPORT IN LIMS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1363.D
Acq On : 9 Mar 2012 1:51 pm
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1 µL 1203005-02 B
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 06:19:47 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1364.D
Acq On : 9 Mar 2012 2:17 pm
Operator : kws
Sample : B2C0702-MSD1 Inst : Betty
Misc : 1 µL 1203005-02 C
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 06:20:05 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol — MISSING	9.088	45	191	N.D.	
2) Ethylene Glycol	9.528	31	196096	35.75 ug/ml	99

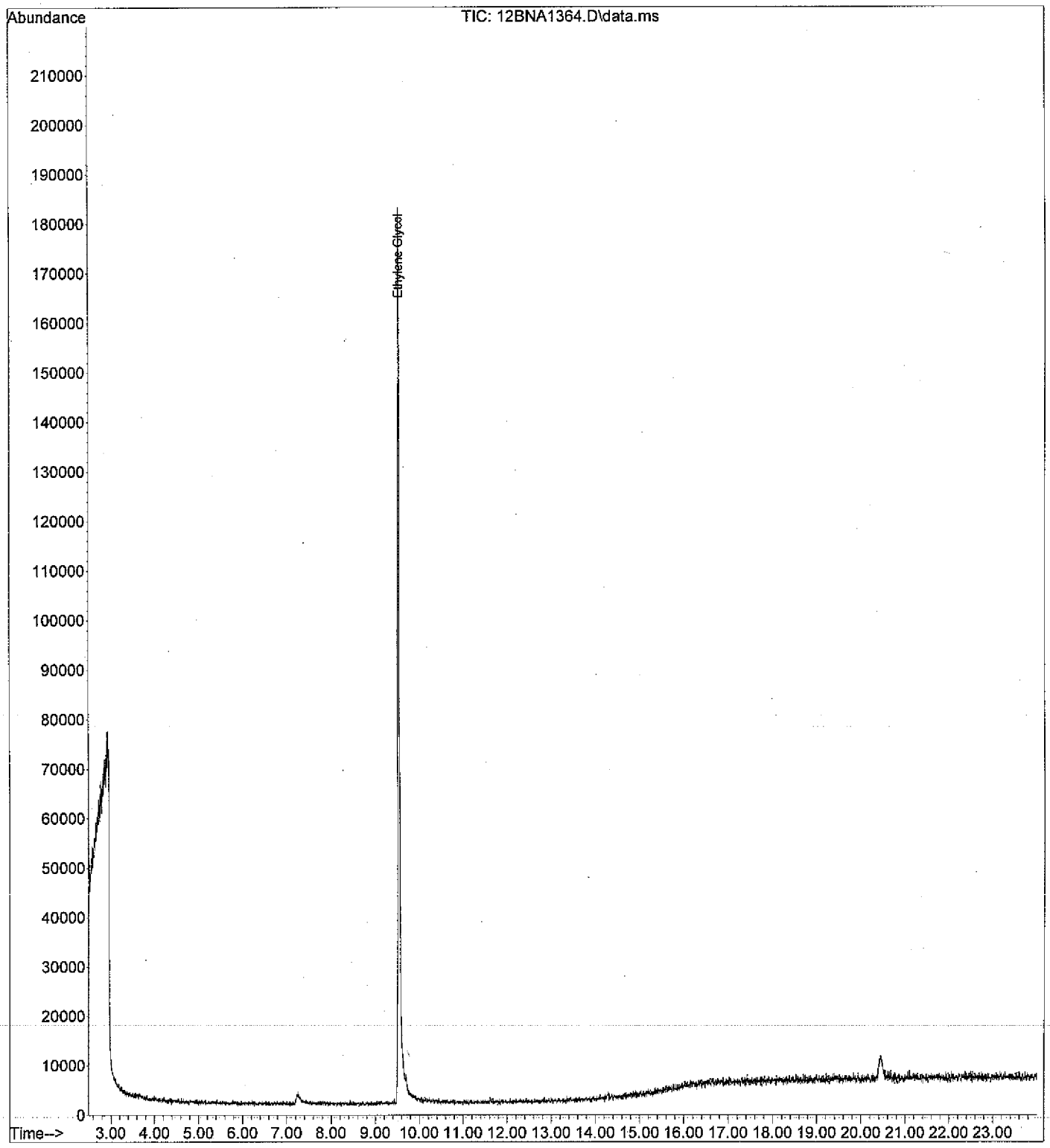
(#) = qualifier out of range (m) = manual integration (+) = signals summed

NOTE: WILL NOT REPORT IN LIMS due to MISSING ANALYTE

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1364.D
Acq On : 9 Mar 2012 2:17 pm
Operator : kws
Sample : B2C0702-MSD1 Inst : Betty
Misc : 1 µL 1203005-02 C
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 06:20:05 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1365.D
Acq On : 9 Mar 2012 2:44 pm
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1 µL 1203005-02 B (R)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 06:21:42 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol — MISSING	9.079	45	133	N.D.	
2) Ethylene Glycol	9.528	31	201854	36.80 ug/ml	99

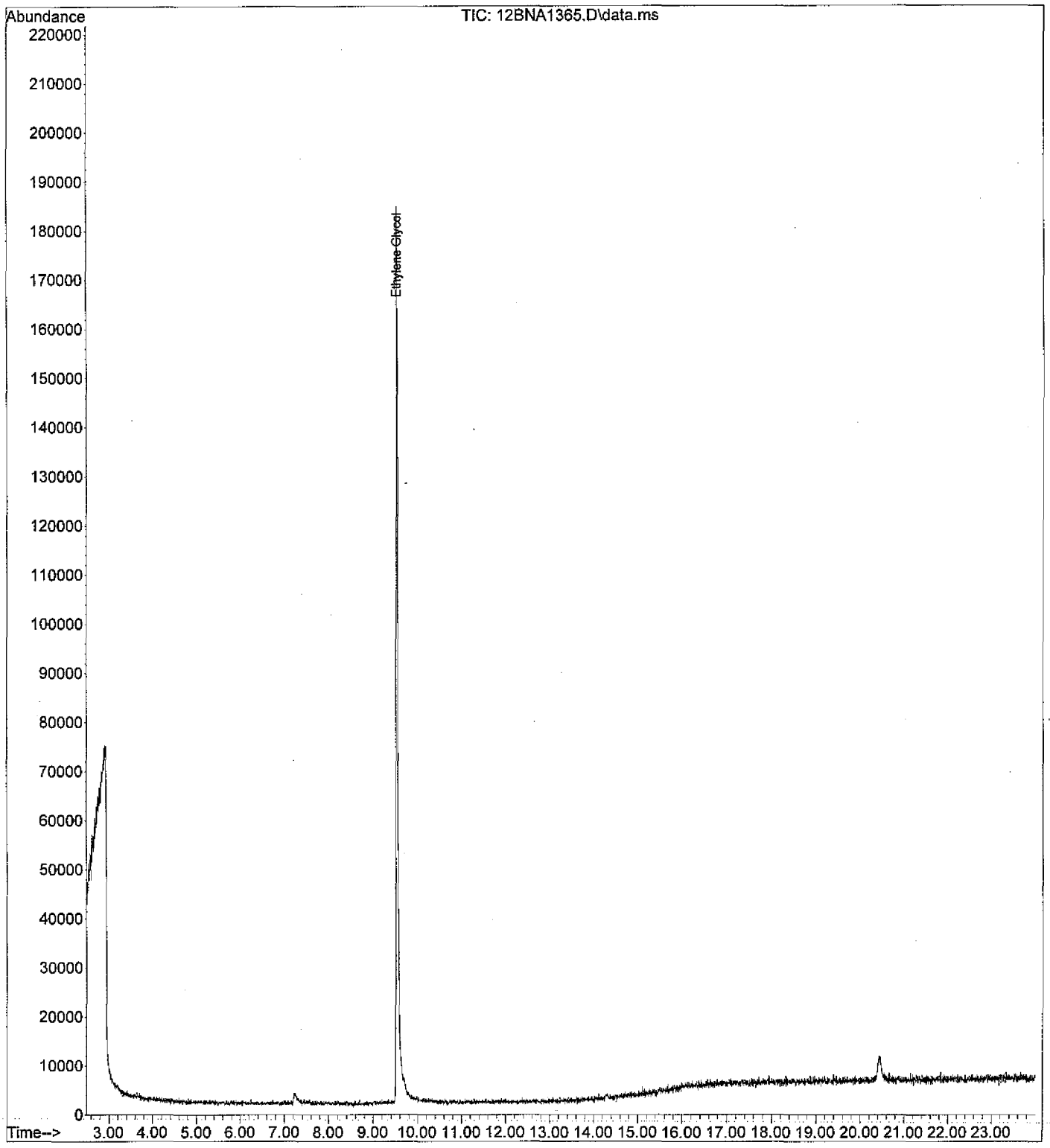
(#) = qualifier out of range (m) = manual integration (+) = signals summed

NOTE: WILL NOT REPORT IN LIMS due to MISSING ANALYTE

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BNA1365.D
Acq On : 9 Mar 2012 2:44 pm
Operator : kws
Sample : B2C0702-MS1 Inst : Betty
Misc : 1 µL 1203005-02 B (R)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 06:21:42 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1366.D
Acq On : 9 Mar 2012 3:10 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 06:22:04 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.166	45	128	N.D.	
2) Ethylene Glycol	9.559	31	1136	0.21 ug/ml#	81

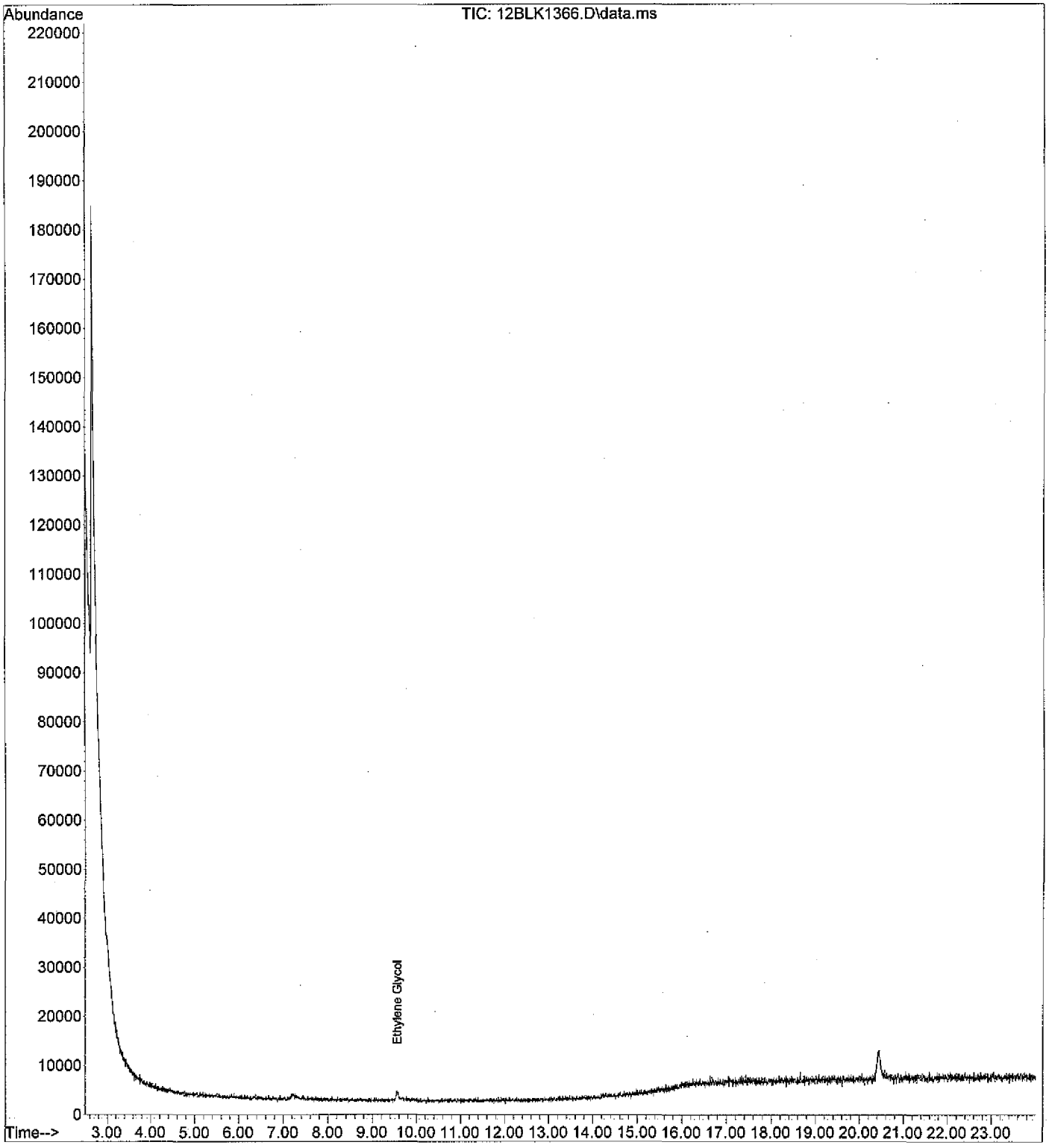
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0096205 DIM0096540

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1366.D
Acq On : 9 Mar 2012 3:10 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 06:22:04 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1367.D
Acq On : 9 Mar 2012 3:36 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 15 06:22:16 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.157	45	106	N.D.	
2) Ethylene Glycol	9.576	31	735	0.13 ug/ml#	54

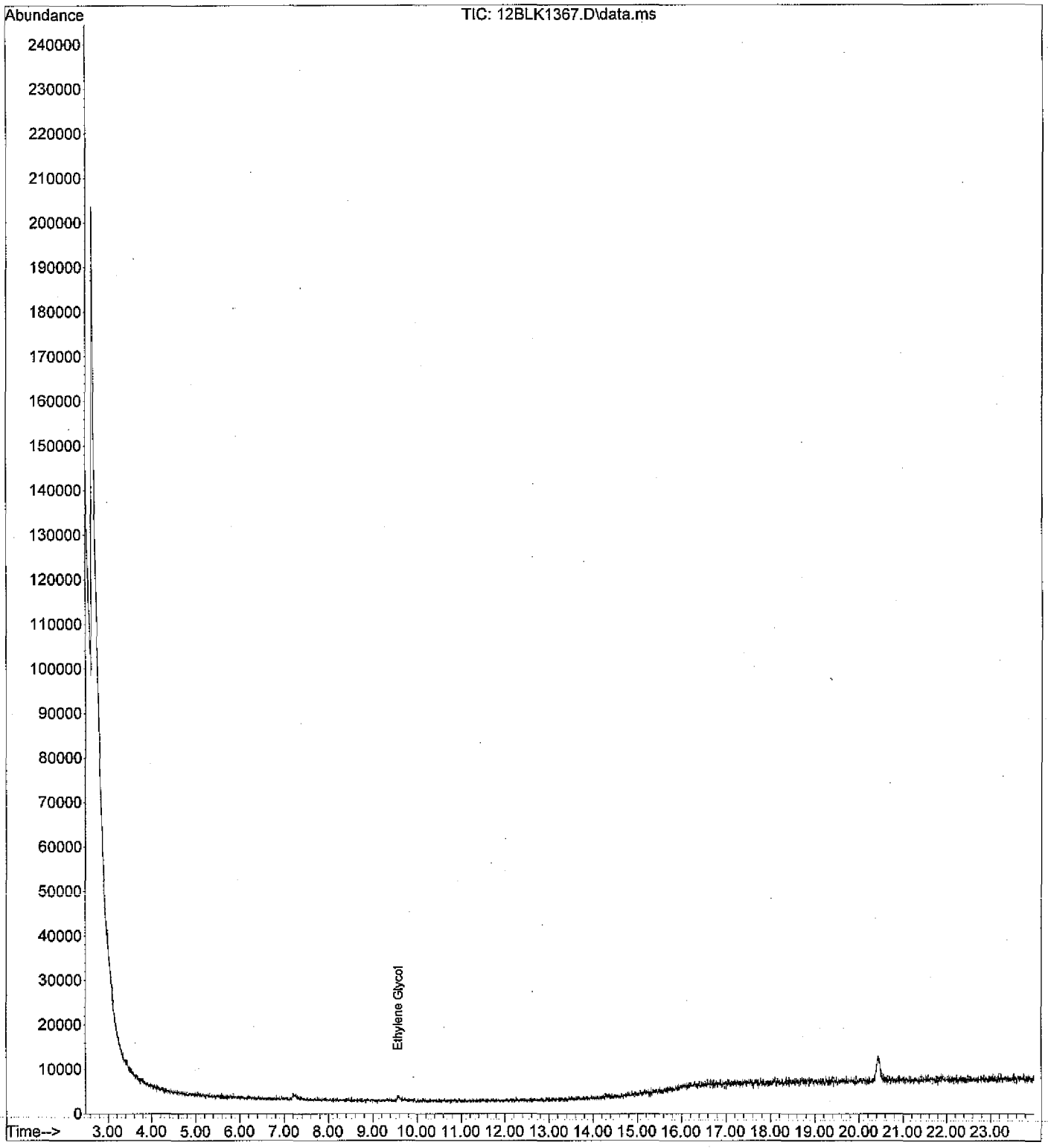
(#) = qualifier out of range (m) = manual integration (+) = signals summed

DIM0096205 DIM0096542

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 12BLK1367.D
Acq On : 9 Mar 2012 3:36 pm
Operator : kws
Sample : blk Inst : Betty
Misc : 1 µL clean up blk
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 15 06:22:16 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10STD1353.D
Acq On : 9 Mar 2012 9:29 am
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 50 UG/ML ETHYLENE GLYCOL
ALS Vial : 1 Sample Multiplier: 1

ccl

Quant Time: Mar 14 12:08:18 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.007	45	549188	56.73 ug/ml	100
2) Ethylene Glycol	9.531	31	304583	55.52 ug/ml	99

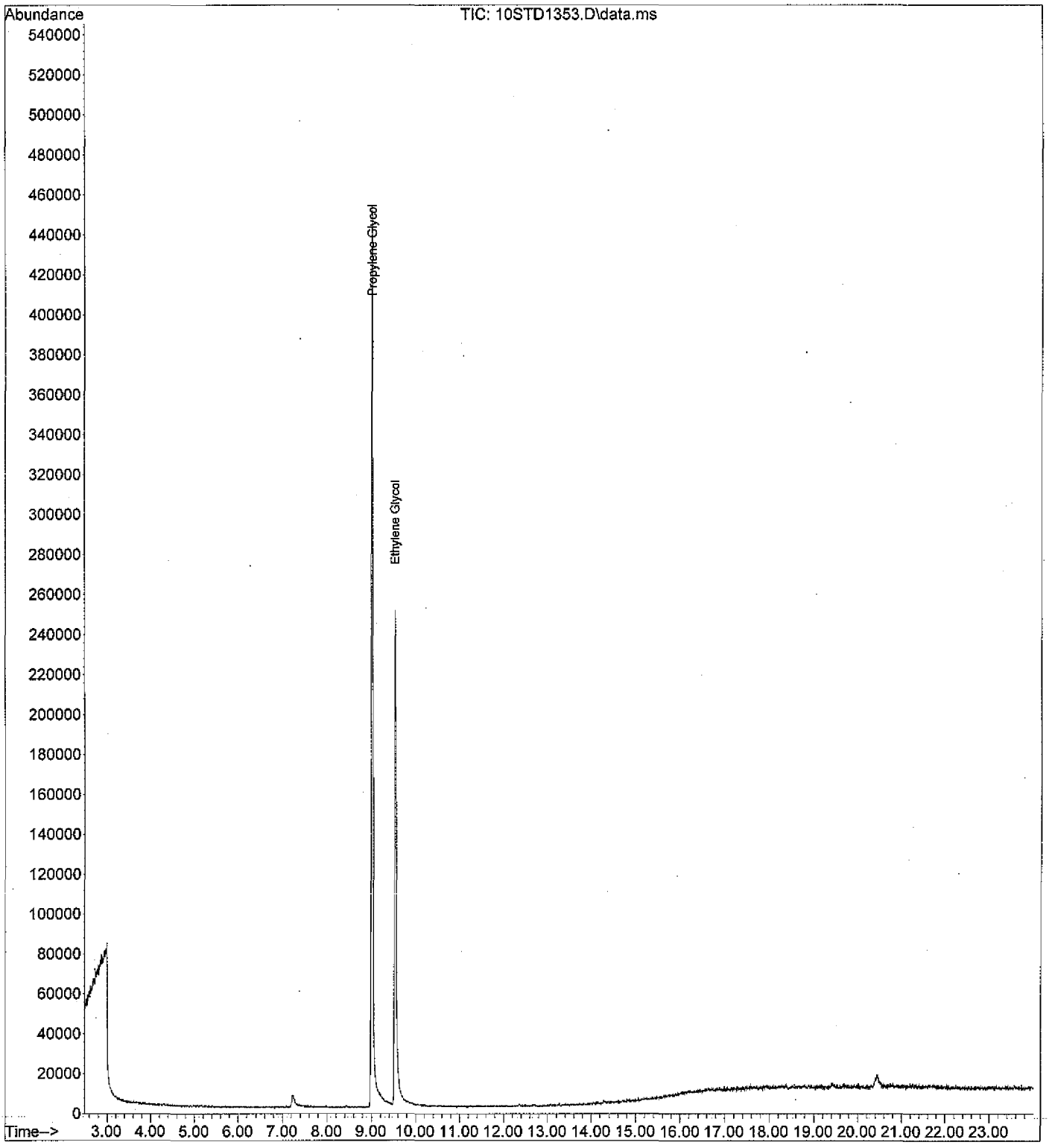
(#) = qualifier out of range (m) = manual integration (+) = signals summed

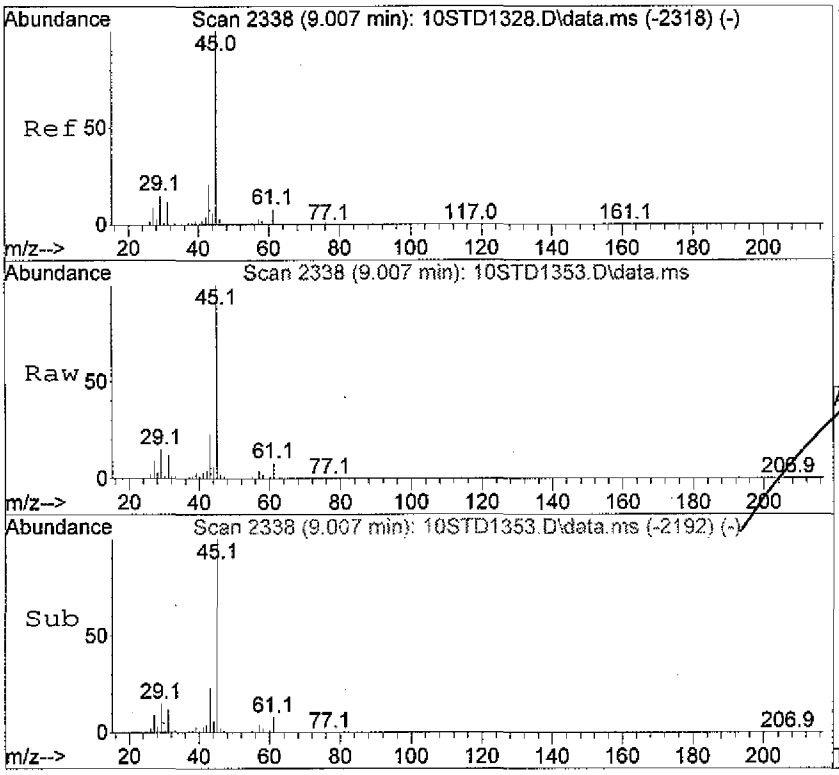
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0309\
Data File : 10STD1353.D
Acq On : 9 Mar 2012 9:29 am
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 50 UG/ML ETHYLENE GLYCOL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 12:08:18 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

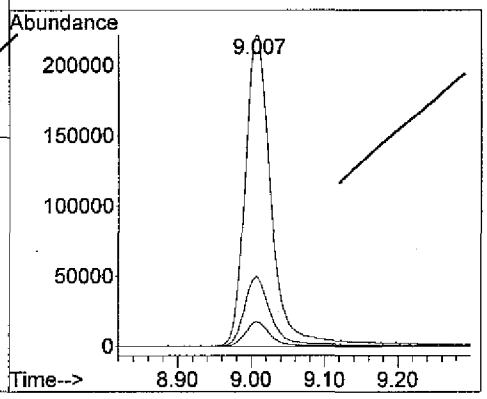


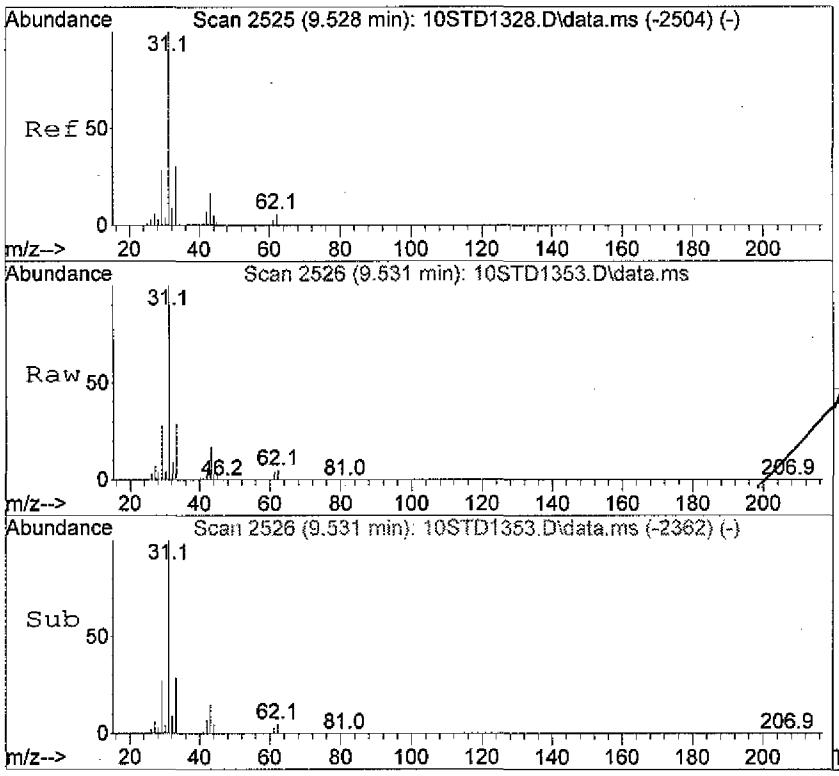


#1
Propylene Glycol
Concen: 56.73 ug/ml
RT: 9.007 min Scan# 2338
Delta R.T. -0.092 min
Lab File: 10STD1353.D
Acq: 9 Mar 2012 9:29 am

Tgt Ion: 45 Resp: 549188

Ion	Ratio	Lower	Upper
45	100		
43	22.6	14.0	31.2
61	7.9	0.0	16.6

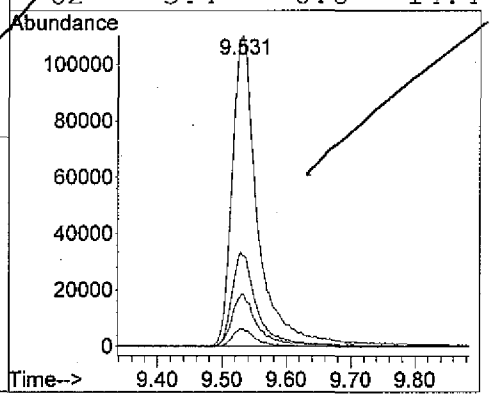




#2
Ethylene Glycol
Concen: 55.52 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.042 min
Lab File: 10STD1353.D
Acq: 9 Mar 2012 9:29 am

Tgt Ion: 31 Resp: 304583

Ion	Ratio	Lower	Upper
31	100		
33	29.2	20.7	38.9
43	17.0	7.8	26.0
62	5.4	0.0	14.4



Evaluate Continuing Calibration Report

Data Path : D:\1\DATA\12_0309\
Data File : 10STD1353.D
Acq On : 9 Mar 2012 9:29 am
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 50 UG/ML ETHYLENE GLYCOL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 12:08:18 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	Propylene Glycol	9.681	10.984	E3	-13.5	111	-0.09
2	Ethylene Glycol	5.486	6.092	E3	-11.0	108	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0

DIM0096205 DIM0096547

Calibration Status Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
Last Update : Wed Mar 14 11:51:04 2012
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	.50	1	0	D:\1\DATA\12_0303\10STD1317.D
2	1.00	1	0	D:\1\DATA\12_0303\10STD1319.D
3	2.00	2	0	D:\1\DATA\12_0303\10STD1322.D
4	5.00	5	0	D:\1\DATA\12_0303\10STD1323.D
5	10.0	10	0	D:\1\DATA\12_0303\10STD1324.D
6	25	25	0	D:\1\DATA\12_0303\10STD1325.D
7	50	50	0	D:\1\DATA\12_0303\10STD1326.D
8	100	100	0	D:\1\DATA\12_0303\10STD1327.D
9	150	150	0	D:\1\DATA\12_0303\10STD1328.D
10	200	200	0	D:\1\DATA\12_0303\10STD1329.D
11	CC	50	0	D:\1\DATA\12_0303\10STD1326.D

#	ID	Update Time	Quant Time	Acquisition Time
1	.50	Mar 14 11:51 2012	Mar 14 11:27 2012	
2	1.00	Mar 14 11:50 2012	Mar 14 11:29 2012	
3	2.00	Mar 14 11:49 2012	Mar 14 11:31 2012	
4	5.00	Mar 14 11:48 2012	Mar 14 11:33 2012	
5	10.0	Mar 14 11:49 2012	Mar 14 11:35 2012	
6	25	Mar 14 11:46 2012	Mar 14 11:37 2012	
7	50	Mar 14 11:47 2012	Mar 14 11:38 2012	
8	100	Mar 14 11:43 2012	Mar 14 11:39 2012	
9	150	Mar 14 11:42 2012	Mar 14 11:39 2012	
10	200	Mar 14 11:42 2012	Mar 14 11:40 2012	
11	CC	Mar 14 11:51 2012	Mar 14 11:38 2012	

GLYCOL120305.M Wed Mar 14 12:11:46 2012

KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10STD1374.D
Acq On : 14 Mar 2012 1:23 pm
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

CC 2

Quant Time: Mar 15 05:54:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Propylene Glycol	9.009	45	572629	59.15 ug/ml	97
2) Ethylene Glycol	9.531	31	302372	55.12 ug/ml	99

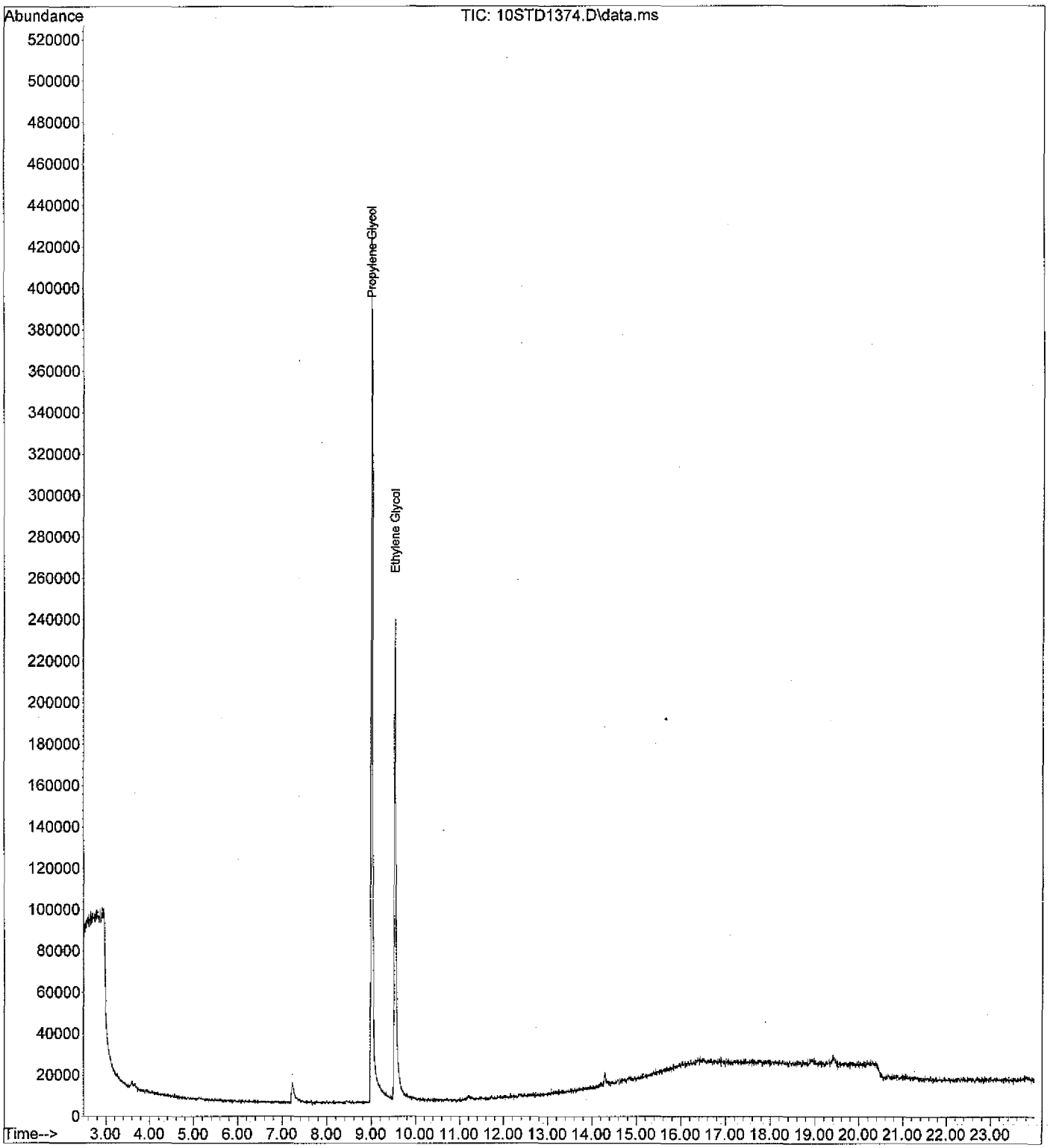
(#) = qualifier out of range (m) = manual integration (+) = signals summed

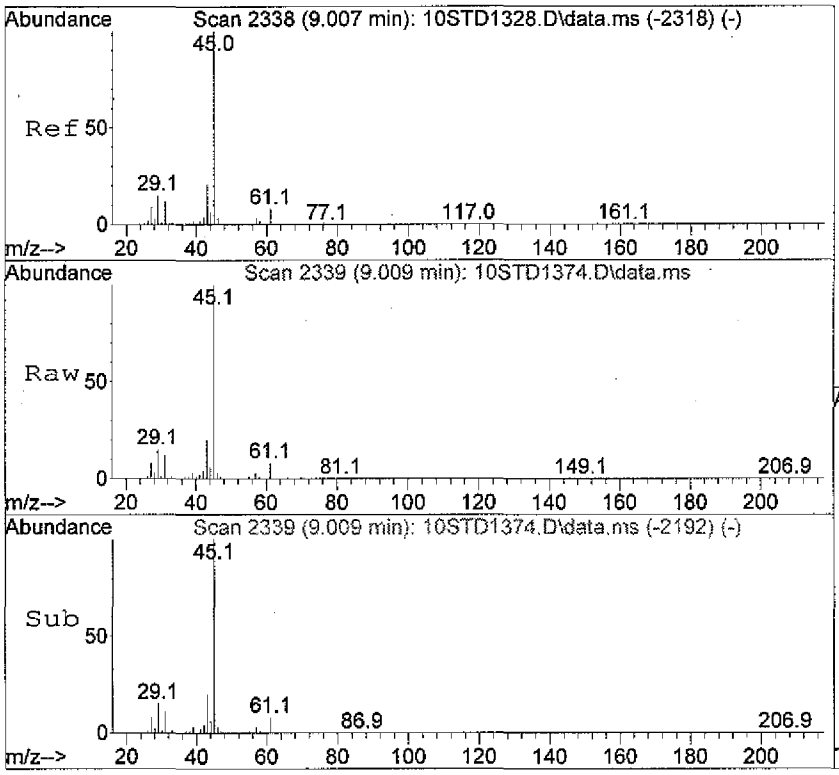
KWS

Quantitation Report (Not Reviewed)

Data Path : D:\1\DATA\12_0314\
Data File : 10STD1374.D
Acq On : 14 Mar 2012 1:23 pm
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 05:54:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

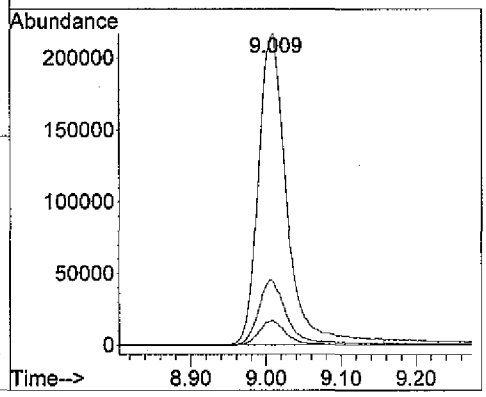


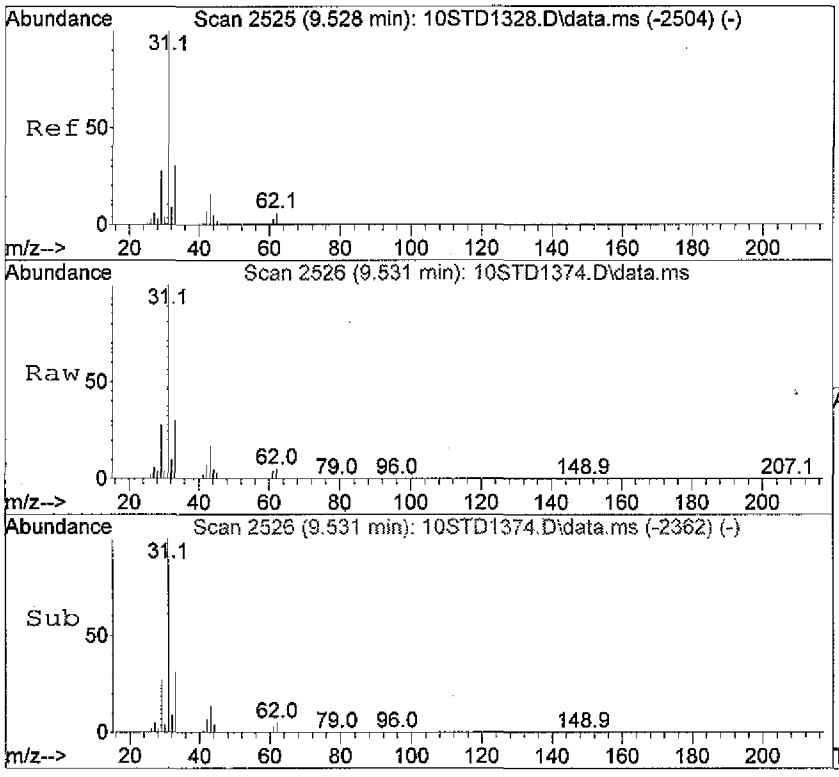


#1
Propylene Glycol
Concen: 59.15 ug/ml
RT: 9.009 min Scan# 2339
Delta R.T. -0.090 min
Lab File: 10STD1374.D
Acq: 14 Mar 2012 1:23 pm

Tgt Ion: 45 Resp: 572629

Ion	Ratio	Lower	Upper
45	100		
43	20.4	14.0	31.2
61	7.8	0.0	16.6

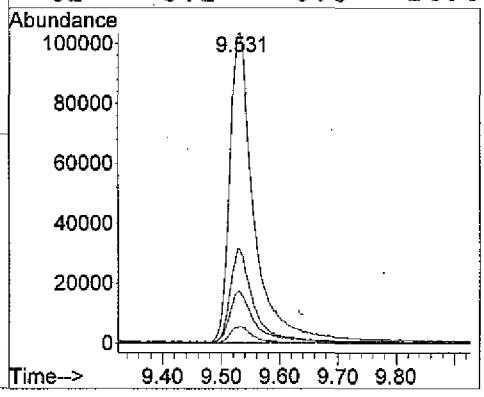




#2
Ethylene Glycol
Concen: 55.12 ug/ml
RT: 9.531 min Scan# 2526
Delta R.T. -0.042 min
Lab File: 10STD1374.D
Acq: 14 Mar 2012 1:23 pm

Tgt Ion: 31 Resp: 302372

Ion	Ratio	Lower	Upper
31	100		
33	30.3	20.7	38.9
43	16.7	7.8	26.0
62	5.2	0.0	14.4



Evaluate Continuing Calibration Report

Data Path : D:\1\DATA\12_0314\
Data File : 10STD1374.D
Acq On : 14 Mar 2012 1:23 pm
Operator : kws
Sample : 50 µg/mL E/P Glycol Std. Inst : Betty
Misc : 1µL 50 µg/mL E/P Glycol Std.
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 15 05:54:50 2012
Quant Method : D:\1\METHODS\GLYCOL120305.M
Quant Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
QLast Update : Wed Mar 14 11:51:04 2012
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	Propylene Glycol	9.681	11.453	E3	-18.3	116	-0.09
2	Ethylene Glycol	5.486	6.047	E3	-10.2	107	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Calibration Status Report Betty

Method Path : D:\1\METHODS\
Method File : GLYCOL120305.M
Title : Propylene glycol and 2-Butoxyethanol by direct aquWed Mar 14 11:51:04 2012
Last Update : Wed Mar 14 11:51:04 2012
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	.50	1	0	D:\1\DATA\12_0303\10STD1317.D
2	1.00	1	0	D:\1\DATA\12_0303\10STD1319.D
3	2.00	2	0	D:\1\DATA\12_0303\10STD1322.D
4	5.00	5	0	D:\1\DATA\12_0303\10STD1323.D
5	10.0	10	0	D:\1\DATA\12_0303\10STD1324.D
6	25	25	0	D:\1\DATA\12_0303\10STD1325.D
7	50	50	0	D:\1\DATA\12_0303\10STD1326.D
8	100	100	0	D:\1\DATA\12_0303\10STD1327.D
9	150	150	0	D:\1\DATA\12_0303\10STD1328.D
10	200	200	0	D:\1\DATA\12_0303\10STD1329.D
11	CC	50	0	D:\1\DATA\12_0303\10STD1326.D

#	ID	Update Time	Quant Time	Acquisition Time
1	.50	Mar 14 11:51 2012	Mar 14 11:27 2012	
2	1.00	Mar 14 11:50 2012	Mar 14 11:29 2012	
3	2.00	Mar 14 11:49 2012	Mar 14 11:31 2012	
4	5.00	Mar 14 11:48 2012	Mar 14 11:33 2012	
5	10.0	Mar 14 11:49 2012	Mar 14 11:35 2012	
6	25	Mar 14 11:46 2012	Mar 14 11:37 2012	
7	50	Mar 14 11:47 2012	Mar 14 11:38 2012	
8	100	Mar 14 11:43 2012	Mar 14 11:39 2012	
9	150	Mar 14 11:42 2012	Mar 14 11:39 2012	
10	200	Mar 14 11:42 2012	Mar 14 11:40 2012	
11	CC	Mar 14 11:51 2012	Mar 14 11:38 2012	

GLYCOL120305.M Thu Mar 15 05:55:40 2012