TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-16217-1

Job Description: TechLaw Project No. R33917 (EG only)

For:
Techlaw, Inc
2208 Warwood Ave.
Wheeling, WV 26003-6546

Attention: Mr. Gene Nance

Approved for release.
Joe Giacomazza
Project Administrator
3/5/2012 11:52 AM

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03/05/2012

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC VOA
Method(s) 8015: The percent difference in the associated continuing calibration verification (CCV 480-51962/34) for Ethylene Glycol exceeded 20% on the ZB-5 column, indicating a high bias.

No analytical or quality issues were noted.

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 49964

Lab Sample ID: STD 480-49964/6 IC Client Sample ID:

Date Analyzed: 02/01/12 11:32 Lab File ID: PE08206.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Ethoxyethanol	2.08	Peak Tail	dosierc	02/01/12 13:24

Lab Sample ID: STD 480-49964/7 IC Client Sample ID:

Date Analyzed: 02/01/12 11:49 Lab File ID: PE08207.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Ethoxyethanol	2.07	Peak Tail	dosierc	02/01/12 13:25

Lab Sample ID: STD 480-49964/8 IC Client Sample ID:

Date Analyzed: 02/01/12 12:06 Lab File ID: PE08208.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methoxyethanol	1.91	Incomplete Integration	dosierc	02/01/12 13:27
2-Ethoxyethanol	2.07	Peak Tail	dosierc	02/01/12 13:27

SAMPLE SUMMARY

Client: Techlaw, Inc

Job Number: 480-16217-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-16217-1	FB17	Water	02/14/2012 0909	02/16/2012 1000
480-16217-2	FB18	Water	02/15/2012 0945	02/16/2012 1000
480-16217-3	HW03	Water	02/14/2012 1518	02/16/2012 1000
480-16217-4	HW03Z	Water	02/14/2012 1519	02/16/2012 1000
480-16217-5	HW07	Water	02/15/2012 1136	02/16/2012 1000
480-16217-6	HW11	Water	02/13/2012 1505	02/16/2012 1000
480-16217-7	HW11-P	Water	02/13/2012 1522	02/16/2012 1000
480-16217-8	HW53	Water	02/13/2012 1457	02/16/2012 1000
480-16217-9	HW53-P	Water	02/13/2012 1517	02/16/2012 1000
480-16217-10	HW57	Water	02/14/2012 1007	02/16/2012 1000
480-16217-10MS	HW57	Water	02/14/2012 1007	02/16/2012 1000
480-16217-10MSD	HW57	Water	02/14/2012 1007	02/16/2012 1000
480-16217-11	HW57-P	Water	02/14/2012 1031	02/16/2012 1000
480-16217-12	HW58	Water	02/14/2012 1447	02/16/2012 1000
480-16217-13	HW59	Water	02/14/2012 1033	02/16/2012 1000

EXECUTIVE SUMMARY - Detections

Client: Techlaw, Inc

Job Number: 480-16217-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: Techlaw, Inc

Job Number: 480-16217-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Glycols -Direct Injection (GC/FID)	TAL BUF	SW846 8015B	
8015 Direct Injection Prep (Aqueous)	TAL BUF		SW846 8015 Prep

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Techlaw, Inc

Job Number: 480-16217-1

Method	Analyst	Analyst ID
SW846 8015B	Neary, Mary Ann	MN

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **FB17**

Lab Sample ID: 480-16217-1

Client Matrix: Water

Date Sampled: 02/14/2012 0909

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1546			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	103		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **FB18**

Lab Sample ID: 480-16217-2

Client Matrix: Water

Date Sampled: 02/15/2012 0945

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1603			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	105		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW03**

Lab Sample ID: 480-16217-3

Client Matrix: Water

Date Sampled: 02/14/2012 1518

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1620			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	115		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW03Z**

Lab Sample ID: 480-16217-4

Client Matrix: Water

Date Sampled: 02/14/2012 1519

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1638			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	104		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW07**

Lab Sample ID: 480-16217-5

Client Matrix: Water

Date Sampled: 02/15/2012 1136

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1655			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	113		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW11**

Lab Sample ID: 480-16217-6

Client Matrix: Water

Date Sampled: 02/13/2012 1505

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1712			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	108		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW11-P**

Lab Sample ID: 480-16217-7

Client Matrix: Water

Date Sampled: 02/13/2012 1522

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1730			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	108		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW53**

Lab Sample ID: 480-16217-8

Client Matrix: Water

Date Sampled: 02/13/2012 1457

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1747			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	106		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW53-P**

Lab Sample ID: 480-16217-9

Client Matrix: Water

Date Sampled: 02/13/2012 1517

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1821			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	103		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW57**

Lab Sample ID: 480-16217-10

Client Matrix: Water

Date Sampled: 02/14/2012 1007

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1839			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	109		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW57-P**

Lab Sample ID: 480-16217-11

Client Matrix: Water

Date Sampled: 02/14/2012 1031

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1931			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	112		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW58**

Lab Sample ID: 480-16217-12

Client Matrix: Water

Date Sampled: 02/14/2012 1447

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1948			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	106		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Client Sample ID: **HW59**

Lab Sample ID: 480-16217-13

Client Matrix: Water

Date Sampled: 02/14/2012 1033

Date Received: 02/16/2012 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51945	Initial Weight/Volume:	0.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 2005			Injection Volume:	1 uL
Prep Date:	02/17/2012 0657			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	107		66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Surrogate Recovery Report

8015B Glycols -Direct Injection (GC/FID)

Client Matrix: Water

Lab Sample ID	Client Sample ID	14BD1 %Rec
480-16217-1	FB17	103
480-16217-2	FB18	105
480-16217-3	HW03	115
480-16217-4	HW03Z	104
480-16217-5	HW07	113
480-16217-6	HW11	108
480-16217-7	HW11-P	108
480-16217-8	HW53	106
480-16217-9	HW53-P	103
480-16217-10	HW57	109
480-16217-11	HW57-P	112
480-16217-12	HW58	106
480-16217-13	HW59	107
MB 480-51945/1-A		101
LCS 480-51945/2-A		100
480-16217-10 MS	HW57 MS	105
480-16217-10 MSD	HW57 MSD	106

Surrogate	Acceptance Limits
14BD = 1,4-Butanediol	66-130

Client: Techlaw, Inc

Job Number: 480-16217-1

Method Blank - Batch: 480-51945

Method: 8015B
Preparation: 8015 Prep

Lab Sample ID:	MB 480-51945/1-A	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51945	Lab File ID:	PE09245.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 mL
Analysis Date:	02/17/2012 1511	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0657			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Ethylene glycol	ND		0.76	10

Surrogate	% Rec	Acceptance Limits
1,4-Butanediol	101	66 - 130

Lab Control Sample - Batch: 480-51945

Method: 8015B
Preparation: 8015 Prep

Lab Sample ID:	LCS 480-51945/2-A	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51945	Lab File ID:	PE09246.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 mL
Analysis Date:	02/17/2012 1529	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0657			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene glycol	20.0	19.0	95	62 - 148	

Surrogate	% Rec	Acceptance Limits
1,4-Butanediol	100	66 - 130

Client: Techlaw, Inc

Job Number: 480-16217-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-51945

Method: 8015B
Preparation: 8015 Prep

MS Lab Sample ID:	480-16217-10	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51945	Lab File ID:	PE09258.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 mL
Analysis Date:	02/17/2012 1856			Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0657			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-16217-10	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51945	Lab File ID:	PE09259.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 mL
Analysis Date:	02/17/2012 1913			Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0657			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ethylene glycol	101	101	50 - 150	0	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,4-Butanediol	105	106	66 - 130

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-51945

Method: 8015B
Preparation: 8015 Prep

MS Lab Sample ID:	480-16217-10	Units:	mg/L	MSD Lab Sample ID:	480-16217-10
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	02/17/2012 1856			Analysis Date:	02/17/2012 1913
Prep Date:	02/17/2012 0657			Prep Date:	02/17/2012 0657
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ethylene glycol	ND	20.0	20.0	20.2	20.2

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: Techlaw, Inc

Job Number: 480-16217-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 480-51945					
LCS 480-51945/2-A	Lab Control Sample	T	Water	8015 Prep	
MB 480-51945/1-A	Method Blank	T	Water	8015 Prep	
480-16217-1	FB17	T	Water	8015 Prep	
480-16217-2	FB18	T	Water	8015 Prep	
480-16217-3	HW03	T	Water	8015 Prep	
480-16217-4	HW03Z	T	Water	8015 Prep	
480-16217-5	HW07	T	Water	8015 Prep	
480-16217-6	HW11	T	Water	8015 Prep	
480-16217-7	HW11-P	T	Water	8015 Prep	
480-16217-8	HW53	T	Water	8015 Prep	
480-16217-9	HW53-P	T	Water	8015 Prep	
480-16217-10	HW57	T	Water	8015 Prep	
480-16217-10MS	Matrix Spike	T	Water	8015 Prep	
480-16217-10MSD	Matrix Spike Duplicate	T	Water	8015 Prep	
480-16217-11	HW57-P	T	Water	8015 Prep	
480-16217-12	HW58	T	Water	8015 Prep	
480-16217-13	HW59	T	Water	8015 Prep	
Analysis Batch:480-51962					
LCS 480-51945/2-A	Lab Control Sample	T	Water	8015B	480-51945
MB 480-51945/1-A	Method Blank	T	Water	8015B	480-51945
480-16217-1	FB17	T	Water	8015B	480-51945
480-16217-2	FB18	T	Water	8015B	480-51945
480-16217-3	HW03	T	Water	8015B	480-51945
480-16217-4	HW03Z	T	Water	8015B	480-51945
480-16217-5	HW07	T	Water	8015B	480-51945
480-16217-6	HW11	T	Water	8015B	480-51945
480-16217-7	HW11-P	T	Water	8015B	480-51945
480-16217-8	HW53	T	Water	8015B	480-51945
480-16217-9	HW53-P	T	Water	8015B	480-51945
480-16217-10	HW57	T	Water	8015B	480-51945
480-16217-10MS	Matrix Spike	T	Water	8015B	480-51945
480-16217-10MSD	Matrix Spike Duplicate	T	Water	8015B	480-51945
480-16217-11	HW57-P	T	Water	8015B	480-51945
480-16217-12	HW58	T	Water	8015B	480-51945
480-16217-13	HW59	T	Water	8015B	480-51945

Report Basis

T = Total

Client: Techlaw, Inc

Job Number: 480-16217-1

Laboratory Chronicle

Lab ID: 480-16217-1 **Client ID:** FB17

Sample Date/Time: 02/14/2012 09:09 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-1-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-1-A		480-51962	480-51945	02/17/2012 15:46	1	TAL BUF	MN

Lab ID: 480-16217-2 **Client ID:** FB18

Sample Date/Time: 02/15/2012 09:45 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-2-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-2-A		480-51962	480-51945	02/17/2012 16:03	1	TAL BUF	MN

Lab ID: 480-16217-3 **Client ID:** HW03

Sample Date/Time: 02/14/2012 15:18 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-A-3-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-A-3-A		480-51962	480-51945	02/17/2012 16:20	1	TAL BUF	MN

Lab ID: 480-16217-4 **Client ID:** HW03Z

Sample Date/Time: 02/14/2012 15:19 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-4-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-4-A		480-51962	480-51945	02/17/2012 16:38	1	TAL BUF	MN

Lab ID: 480-16217-5 **Client ID:** HW07

Sample Date/Time: 02/15/2012 11:36 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-5-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-5-A		480-51962	480-51945	02/17/2012 16:55	1	TAL BUF	MN

Lab ID: 480-16217-6 **Client ID:** HW11

Sample Date/Time: 02/13/2012 15:05 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-6-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-6-A		480-51962	480-51945	02/17/2012 17:12	1	TAL BUF	MN

Client: Techlaw, Inc

Job Number: 480-16217-1

Laboratory Chronicle

Lab ID: **480-16217-7** **Client ID:** **HW11-P**

Sample Date/Time: 02/13/2012 15:22 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-7-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-7-A		480-51962	480-51945	02/17/2012 17:30	1	TAL BUF	MN

Lab ID: **480-16217-8** **Client ID:** **HW53**

Sample Date/Time: 02/13/2012 14:57 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-8-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-8-A		480-51962	480-51945	02/17/2012 17:47	1	TAL BUF	MN

Lab ID: **480-16217-9** **Client ID:** **HW53-P**

Sample Date/Time: 02/13/2012 15:17 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-9-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-9-A		480-51962	480-51945	02/17/2012 18:21	1	TAL BUF	MN

Lab ID: **480-16217-10** **Client ID:** **HW57**

Sample Date/Time: 02/14/2012 10:07 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-10-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-10-A		480-51962	480-51945	02/17/2012 18:39	1	TAL BUF	MN

Lab ID: **480-16217-10** **Client ID:** **HW57**

Sample Date/Time: 02/14/2012 10:07 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-A-10-A MS		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-A-10-A MS		480-51962	480-51945	02/17/2012 18:56	1	TAL BUF	MN

Client: Techlaw, Inc

Job Number: 480-16217-1

Laboratory Chronicle

Lab ID: 480-16217-10 **Client ID:** HW57

Sample Date/Time: 02/14/2012 10:07 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-A-10-B MSD		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-A-10-B MSD		480-51962	480-51945	02/17/2012 19:13	1	TAL BUF	MN

Lab ID: 480-16217-11 **Client ID:** HW57-P

Sample Date/Time: 02/14/2012 10:31 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-11-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-11-A		480-51962	480-51945	02/17/2012 19:31	1	TAL BUF	MN

Lab ID: 480-16217-12 **Client ID:** HW58

Sample Date/Time: 02/14/2012 14:47 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-12-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-12-A		480-51962	480-51945	02/17/2012 19:48	1	TAL BUF	MN

Lab ID: 480-16217-13 **Client ID:** HW59

Sample Date/Time: 02/14/2012 10:33 Received Date/Time: 02/16/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16217-B-13-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	480-16217-B-13-A		480-51962	480-51945	02/17/2012 20:05	1	TAL BUF	MN

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	MB 480-51945/1-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	MB 480-51945/1-A		480-51962	480-51945	02/17/2012 15:11	1	TAL BUF	MN

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	LCS 480-51945/2-A		480-51962	480-51945	02/17/2012 06:57	1	TAL BUF	MN
A:8015B	LCS 480-51945/2-A		480-51962	480-51945	02/17/2012 15:29	1	TAL BUF	MN

Client: Techlaw, Inc

Job Number: 480-16217-1

Laboratory Chronicle

Lab References:
TAL BUF = TestAmerica Buffalo

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
gly_ccv&sur_00003	02/20/12	02/15/12	meoh\water, Lot de695	10 mL	GLY_STK_00012	20 uL	Ethylene glycol	20 ng/uL
					GLY_SUR_10000_00013	50 uL	1,4-Butanediol	50 ng/uL
.GLY_STK_00012	02/20/12	Ultra, Lot CH-1662			(Purchased Reagent)		Ethylene glycol	10000 ng/uL
.GLY_SUR_10000_00013	02/20/12	01/20/12	Methanol, Lot DE695	50 mL	GLY_SURR_neat_00003	495.05 uL	1,4-Butanediol	10000 ng/uL
..GLY_SURR_neat_00003	03/31/18	Chem Service, Lot 440-1C			(Purchased Reagent)		1,4-Butanediol	1010000 ng/uL
GLY_CCV_1000_00013	02/20/12	01/20/12	Methanol/water, Lot DE695	1 mL	GLY_STK_00012	100 uL	2,2'-Oxybisethanol	1000 ng/uL
							2-Ethoxyethanol	1000 ng/uL
							2-Methoxyethanol	1000 ng/uL
							Ethylene glycol	1000 ng/uL
							Propylene glycol	1000 ng/uL
							Triethylene Glycol	1000 ng/uL
.GLY_STK_00012	02/20/12	Ultra, Lot CH-1662			(Purchased Reagent)		2,2'-Oxybisethanol	10000 ng/uL
							2-Ethoxyethanol	10000 ng/uL
							2-Methoxyethanol	10000 ng/uL
							Ethylene glycol	10000 ng/uL
							Propylene glycol	10000 ng/uL
							Triethylene Glycol	10000 ng/uL
GLY_CCV_1000_00014	02/20/12	02/20/12	Methanol/water, Lot DE695	1 mL	GLY_STK_00012	100 uL	2,2'-Oxybisethanol	1000 ng/uL
							2-Ethoxyethanol	1000 ng/uL
							2-Methoxyethanol	1000 ng/uL
							Ethylene glycol	1000 ng/uL
							Propylene glycol	1000 ng/uL
							Triethylene Glycol	1000 ng/uL
.GLY_STK_00012	02/20/12	Ultra, Lot CH-1662			(Purchased Reagent)		2,2'-Oxybisethanol	10000 ng/uL
							2-Ethoxyethanol	10000 ng/uL
							2-Methoxyethanol	10000 ng/uL
							Ethylene glycol	10000 ng/uL
							Propylene glycol	10000 ng/uL
							Triethylene Glycol	10000 ng/uL
GLY_SURR1000_00015	02/20/12	01/20/12	Methanol/Water, Lot NA	10 mL	GLY_SUR_10000_00013	1 mL	1,4-Butanediol	1000 ug/mL
.GLY_SUR_10000_00013	02/20/12	01/20/12	Methanol, Lot DE695	50 mL	GLY_SURR_neat_00003	495.05 uL	1,4-Butanediol	10000 ng/uL
..GLY_SURR_neat_00003	03/31/18	Chem Service, Lot 440-1C			(Purchased Reagent)		1,4-Butanediol	1010000 ng/uL
GLY_SURR1000_00016	02/20/12	02/06/12	Methanol/Water, Lot NA	10 mL	GLY_SUR_10000_00013	1 mL	1,4-Butanediol	1000 ug/mL
.GLY_SUR_10000_00013	02/20/12	01/20/12	Methanol, Lot DE695	50 mL	GLY_SURR_neat_00003	495.05 uL	1,4-Butanediol	10000 ng/uL
..GLY_SURR_neat_00003	03/31/18	Chem Service, Lot 440-1C			(Purchased Reagent)		1,4-Butanediol	1010000 ng/uL

Certification Summary

Client: Techlaw, Inc
Project/Site: TechLaw Project No. R33917 (EG only)

TestAmerica Job ID: 480-16217-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8015B DAI Glycols

Glycols -Direct Injection (GC/FID)

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-5 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	14BD1 #
FB17	480-16217-1	103
FB18	480-16217-2	105
HW03	480-16217-3	115
HW03Z	480-16217-4	104
HW07	480-16217-5	113
HW11	480-16217-6	108
HW11-P	480-16217-7	108
HW53	480-16217-8	106
HW53-P	480-16217-9	103
HW57	480-16217-10	109
HW57-P	480-16217-11	112
HW58	480-16217-12	106
HW59	480-16217-13	107
	MB 480-51945/1-A	101
	LCS 480-51945/2-A	100
HW57 MS	480-16217-10 MS	105
HW57 MSD	480-16217-10 MSD	106

	QC LIMITS
14BD = 1,4-Butanediol	66-130

Column to be used to flag recovery values

FORM II 8015B

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PE09246.d

Lab ID: LCS 480-51945/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Ethylene glycol	20.0	19.0	95	62-148	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PE09258.d

Lab ID: 480-16217-10 MS Client ID: HW57 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Ethylene glycol	20.0	ND	20.2	101	50-150	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GC VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PE09259.d

Lab ID: 480-16217-10 MSD Client ID: HW57 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylene glycol	20.0	20.2	101	0	50	50-150	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: MB 480-51945/1-A

Matrix: Water Date Extracted: 02/17/2012 06:57

Lab File ID:(1) PE09245.d Lab File ID:(2)

Date Analyzed:(1) 02/17/2012 15:11 Date Analyzed:(2)

Instrument ID:(1) PE-01 Instrument ID:(2)

GC Column:(1) ZB-5 ID: 0.25(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-51945/2-A	02/17/2012 15:29	
FB17	480-16217-1	02/17/2012 15:46	
FB18	480-16217-2	02/17/2012 16:03	
HW03	480-16217-3	02/17/2012 16:20	
HW03Z	480-16217-4	02/17/2012 16:38	
HW07	480-16217-5	02/17/2012 16:55	
HW11	480-16217-6	02/17/2012 17:12	
HW11-P	480-16217-7	02/17/2012 17:30	
HW53	480-16217-8	02/17/2012 17:47	
HW53-P	480-16217-9	02/17/2012 18:21	
HW57	480-16217-10	02/17/2012 18:39	
HW57 MS	480-16217-10 MS	02/17/2012 18:56	
HW57 MSD	480-16217-10 MSD	02/17/2012 19:13	
HW57-P	480-16217-11	02/17/2012 19:31	
HW58	480-16217-12	02/17/2012 19:48	
HW59	480-16217-13	02/17/2012 20:05	

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-16217-1
SDG No.:
Client Sample ID: FB17
Lab Sample ID: 480-16217-1
Matrix: Water
Lab File ID: PE09247.d
Analysis Method: 8015B
Date Collected: 02/14/2012 09:09
Sample wt/vol: 0.5(mL)
Date Analyzed: 02/17/2012 15:46
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-5 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 51962
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	103		66-130

FORM I 8015B

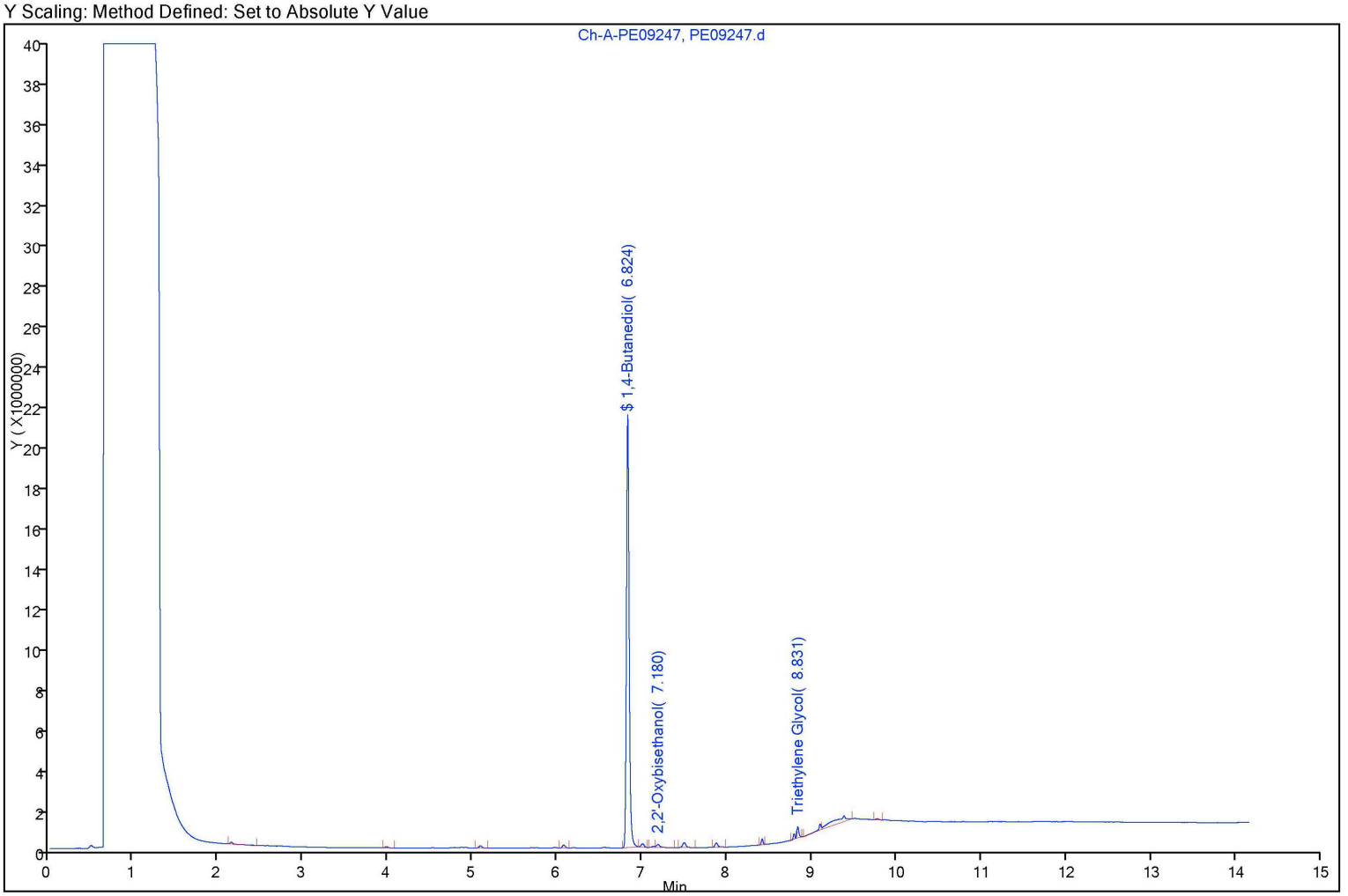
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09247.d		
Lims ID:	480-16217-B-1-A	Client ID:	FB17
Inject. Date:	17-Feb-2012 15:46:19	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-1-A		
Misc. Info.:	Study: 480-0009588-026 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	26
Detector:	Ch-A-PE09247		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:17	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.824	6.821	0.003	47192184	51.4	
1 2,2'-Oxybisethanol					
7.180	7.171	0.009	449421	0.8309	
4 Triethylene Glycol					
8.831	8.825	0.006	868897	2.48	

Report Date: 18-Feb-2012 08:45:17 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09247.d
Injection Date: 17-Feb-2012 15:46:19 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: FB17 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 26
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-16217-1
SDG No.:
Client Sample ID: FB18
Lab Sample ID: 480-16217-2
Matrix: Water
Lab File ID: PE09248.d
Analysis Method: 8015B
Date Collected: 02/15/2012 09:45
Sample wt/vol: 0.5(mL)
Date Analyzed: 02/17/2012 16:03
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-5 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 51962
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	105		66-130

FORM I 8015B

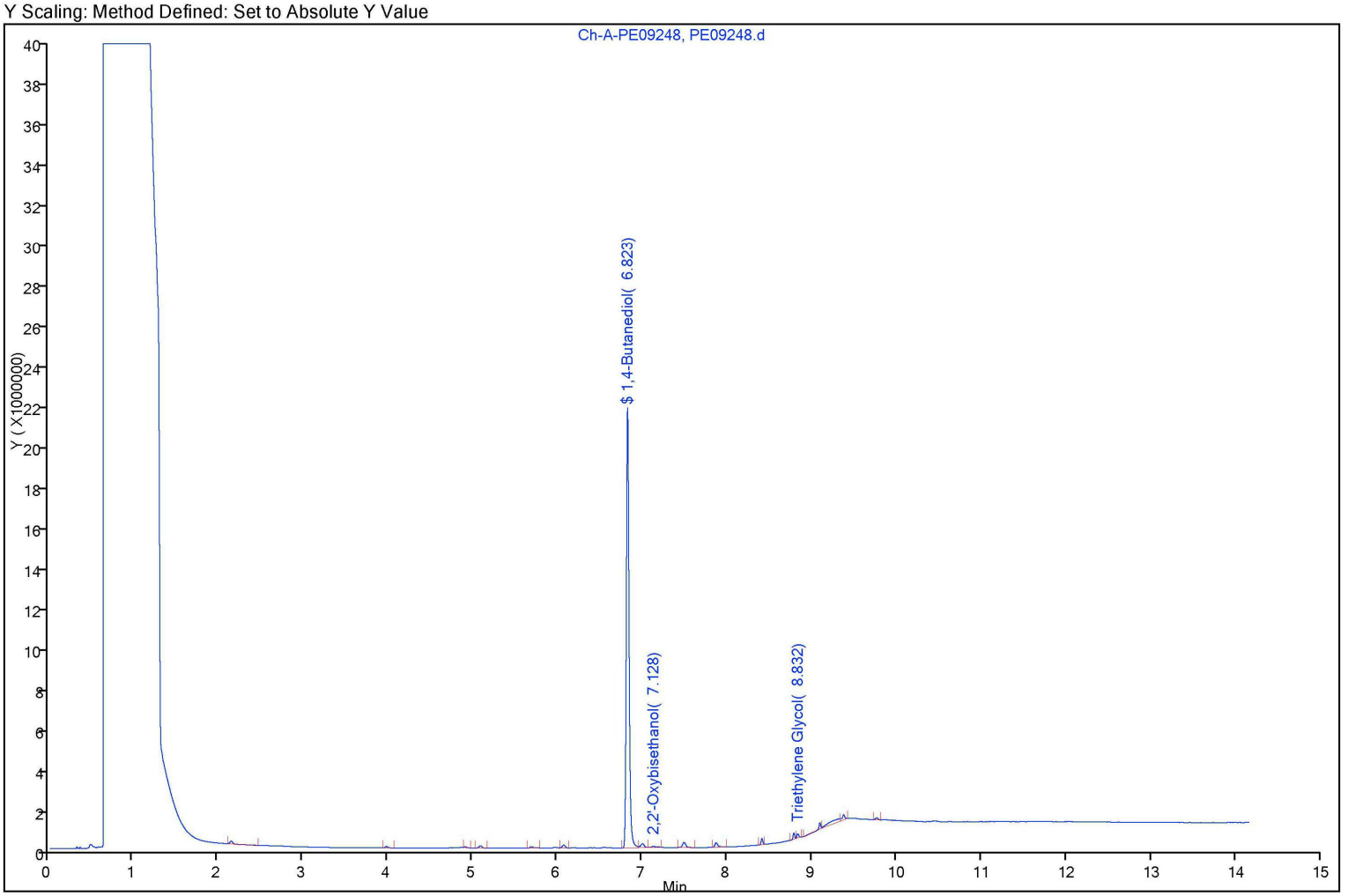
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09248.d		
Lims ID:	480-16217-B-2-A	Client ID:	FB18
Inject. Date:	17-Feb-2012 16:03:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-2-A		
Misc. Info.:	Study: 480-0009588-027 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	27
Detector:	Ch-A-PE09248		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.823	6.821	0.002	48152911	52.5	
1 2,2'-Oxybisethanol					
7.128	7.171	-0.043	211552	0.3911	
4 Triethylene Glycol					
8.832	8.825	0.007	317059	0.9035	

Report Date: 18-Feb-2012 08:45:04 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09248.d
Injection Date: 17-Feb-2012 16:03:37 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: FB18 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 27
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW03 | Lab Sample ID: 480-16217-3

Matrix: Water | Lab File ID: PE09249.d

Analysis Method: 8015B | Date Collected: 02/14/2012 15:18

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 16:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	115		66-130

FORM I 8015B

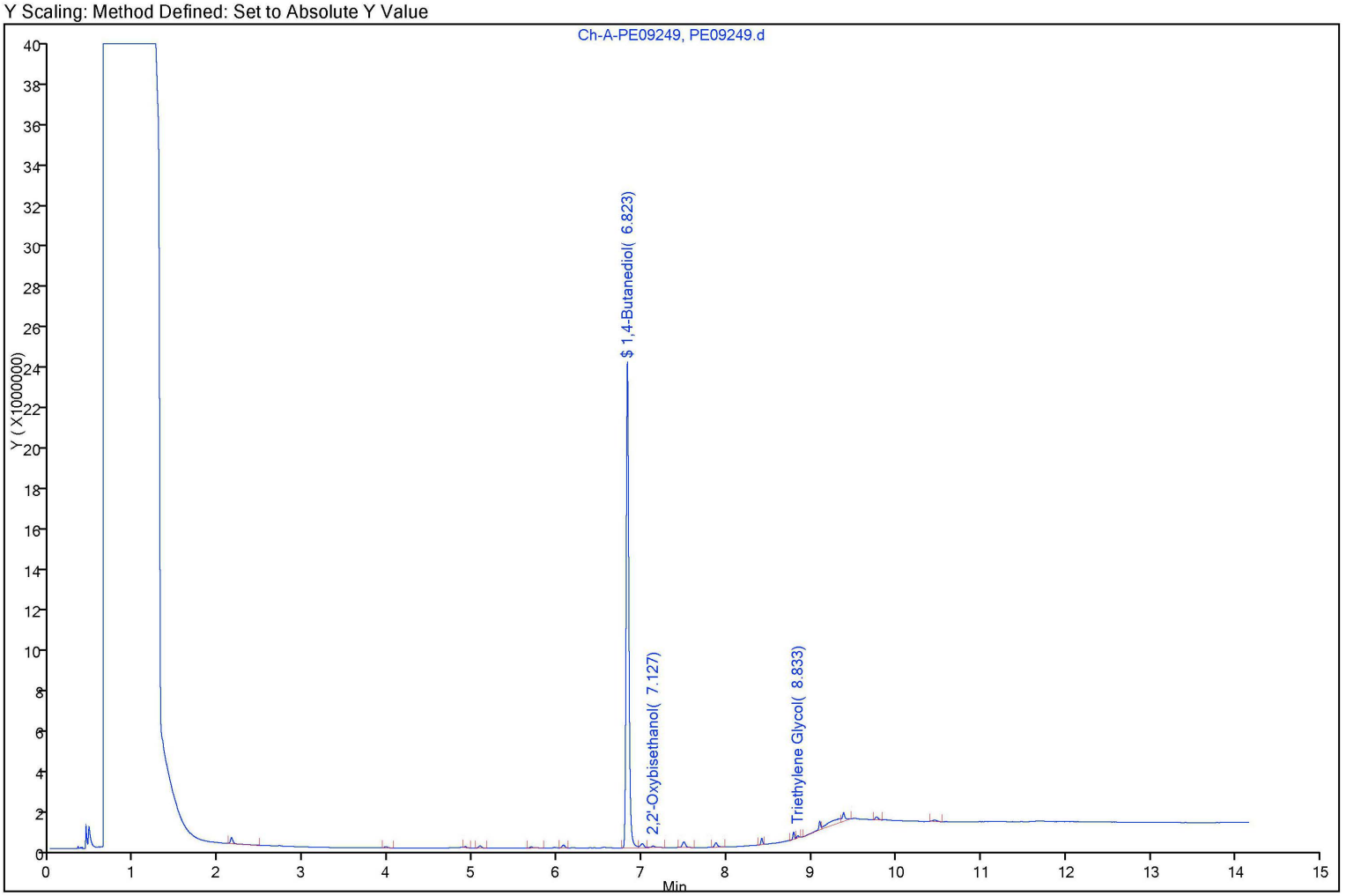
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09249.d		
Lims ID:	480-16217-A-3-A	Client ID:	HW03
Inject. Date:	17-Feb-2012 16:20:58	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-A-3-A		
Misc. Info.:	Study: 480-0009588-028 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	28
Detector:	Ch-A-PE09249		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.823	6.821	0.002	52708004	57.4	
1 2,2'-Oxybisethanol					
7.127	7.171	-0.044	286006	0.5288	
4 Triethylene Glycol					
8.833	8.825	0.008	170485	0.4858	

Report Date: 18-Feb-2012 08:45:04 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09249.d
Injection Date: 17-Feb-2012 16:20:58 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW03 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 28
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-16217-1
SDG No.:
Client Sample ID: HW03Z
Lab Sample ID: 480-16217-4
Matrix: Water
Lab File ID: PE09250.d
Analysis Method: 8015B
Date Collected: 02/14/2012 15:19
Sample wt/vol: 0.5(mL)
Date Analyzed: 02/17/2012 16:38
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-5 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 51962
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	104		66-130

FORM I 8015B

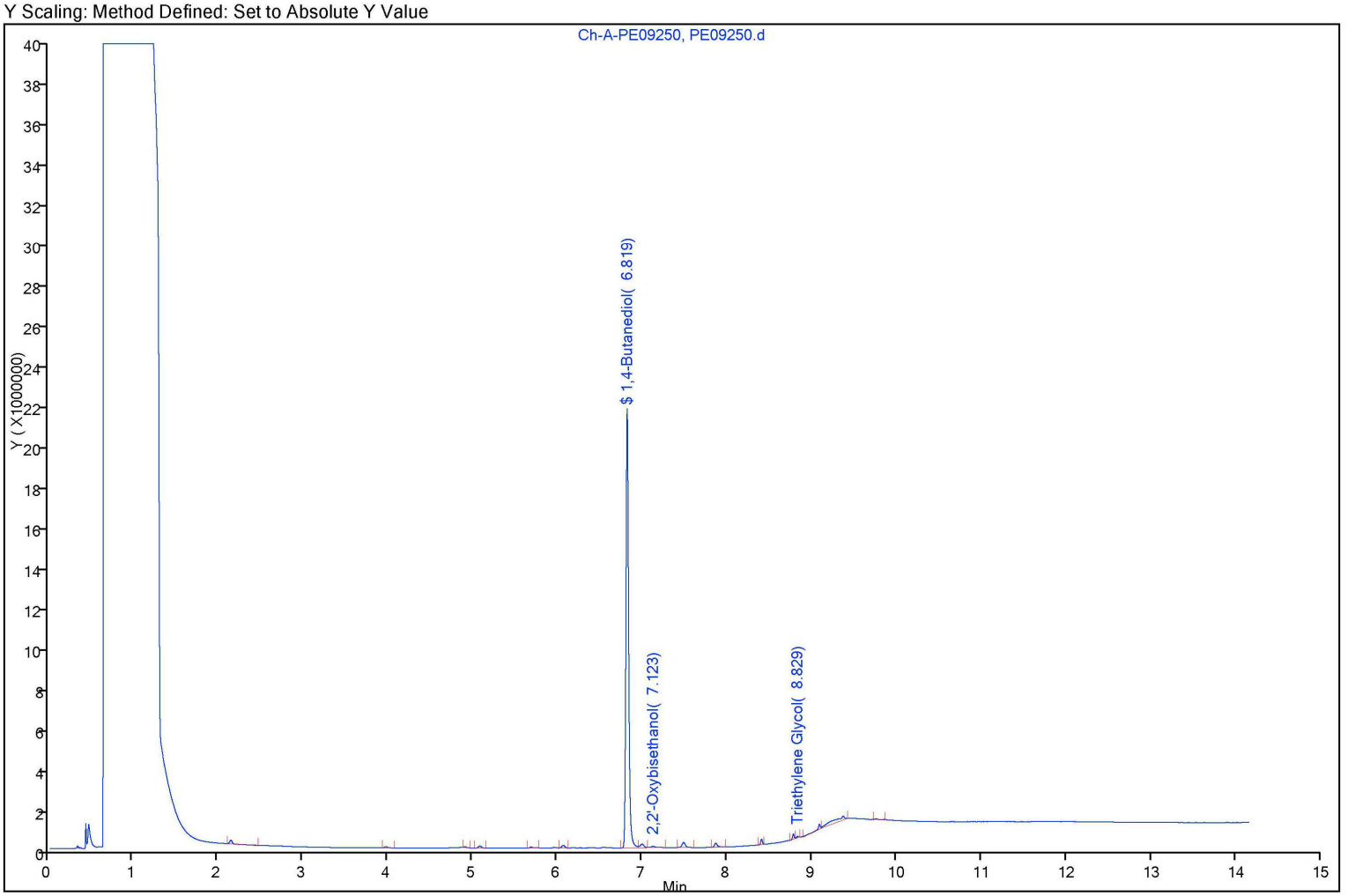
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09250.d		
Lims ID:	480-16217-B-4-A	Client ID:	HW03Z
Inject. Date:	17-Feb-2012 16:38:16	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-4-A		
Misc. Info.:	Study: 480-0009588-029 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	29
Detector:	Ch-A-PE09250		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.819	6.821	-0.002	47867733	52.2	
1 2,2'-Oxybisethanol					
7.123	7.171	-0.048	266353	0.4925	
4 Triethylene Glycol					
8.829	8.825	0.004	114759	0.3270	

Report Date: 18-Feb-2012 08:45:04 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09250.d
Injection Date: 17-Feb-2012 16:38:16 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW03Z Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 29
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-16217-1
SDG No.:
Client Sample ID: HW07
Lab Sample ID: 480-16217-5
Matrix: Water
Lab File ID: PE09251.d
Analysis Method: 8015B
Date Collected: 02/15/2012 11:36
Sample wt/vol: 0.5(mL)
Date Analyzed: 02/17/2012 16:55
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-5 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 51962
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	113		66-130

FORM I 8015B

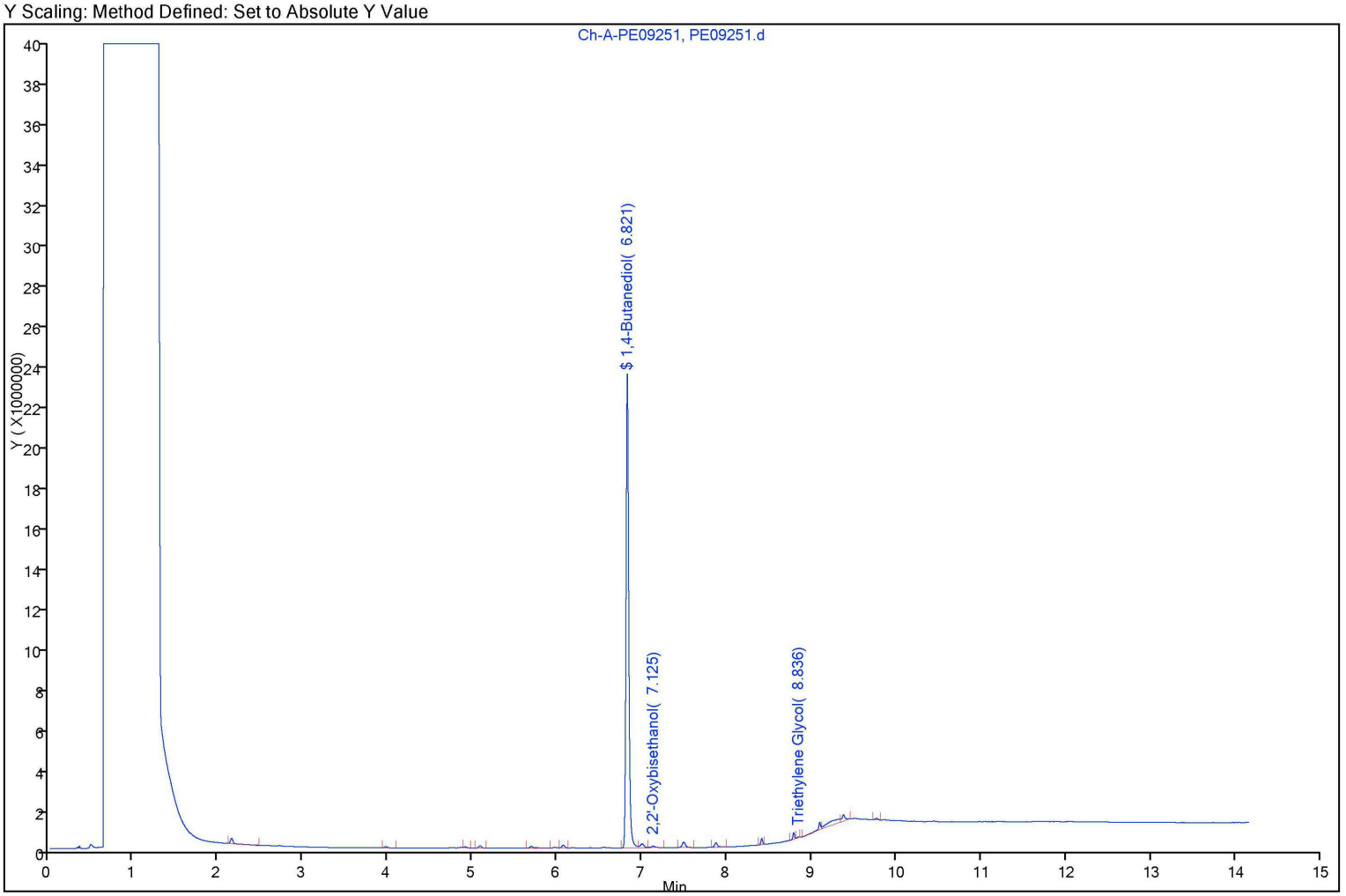
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09251.d		
Lims ID:	480-16217-B-5-A	Client ID:	HW07
Inject. Date:	17-Feb-2012 16:55:33	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-5-A		
Misc. Info.:	Study: 480-0009588-030 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	30
Detector:	Ch-A-PE09251		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.821	6.821	0.000	51832221	56.5	
1 2,2'-Oxybisethanol					
7.125	7.171	-0.046	260098	0.4809	
4 Triethylene Glycol					
8.836	8.825	0.011	55128	0.1571	

Report Date: 18-Feb-2012 08:45:05 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09251.d
Injection Date: 17-Feb-2012 16:55:33 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW07 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 30
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-16217-1
SDG No.:
Client Sample ID: HW11
Lab Sample ID: 480-16217-6
Matrix: Water
Lab File ID: PE09252.d
Analysis Method: 8015B
Date Collected: 02/13/2012 15:05
Sample wt/vol: 0.5(mL)
Date Analyzed: 02/17/2012 17:12
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: ZB-5 ID: 0.25(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 51962
Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	108		66-130

FORM I 8015B

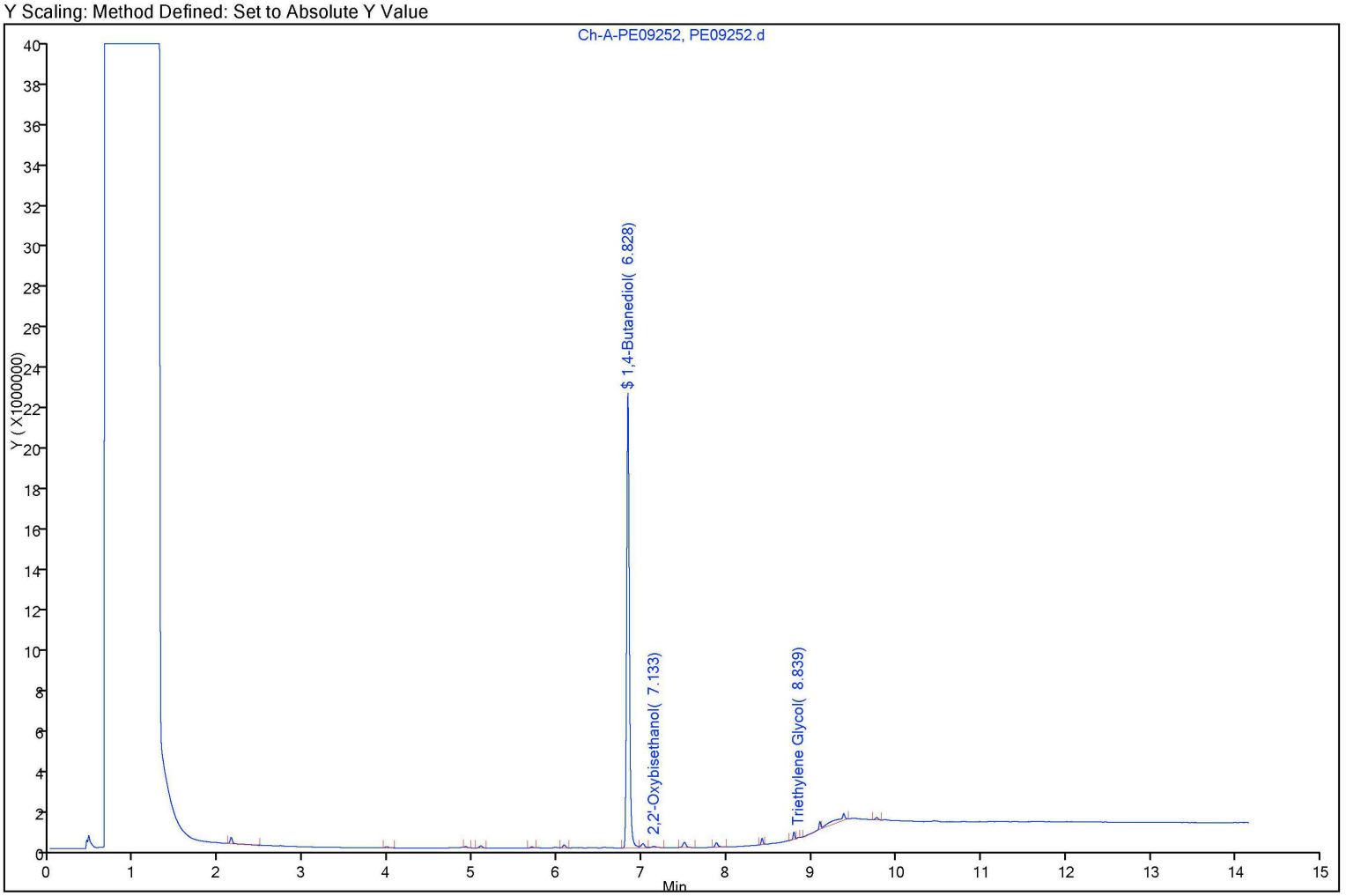
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09252.d		
Lims ID:	480-16217-B-6-A	Client ID:	HW11
Inject. Date:	17-Feb-2012 17:12:50	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-6-A		
Misc. Info.:	Study: 480-0009588-031 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	31
Detector:	Ch-A-PE09252		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.828	6.821	0.007	49343054	53.8	
1 2,2'-Oxybisethanol					
7.133	7.171	-0.038	263750	0.4876	
4 Triethylene Glycol					
8.839	8.825	0.014	48220	0.1374	

Report Date: 18-Feb-2012 08:45:05 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09252.d
Injection Date: 17-Feb-2012 17:12:50 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW11 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 31
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW11-P | Lab Sample ID: 480-16217-7

Matrix: Water | Lab File ID: PE09253.d

Analysis Method: 8015B | Date Collected: 02/13/2012 15:22

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 17:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	108		66-130

FORM I 8015B

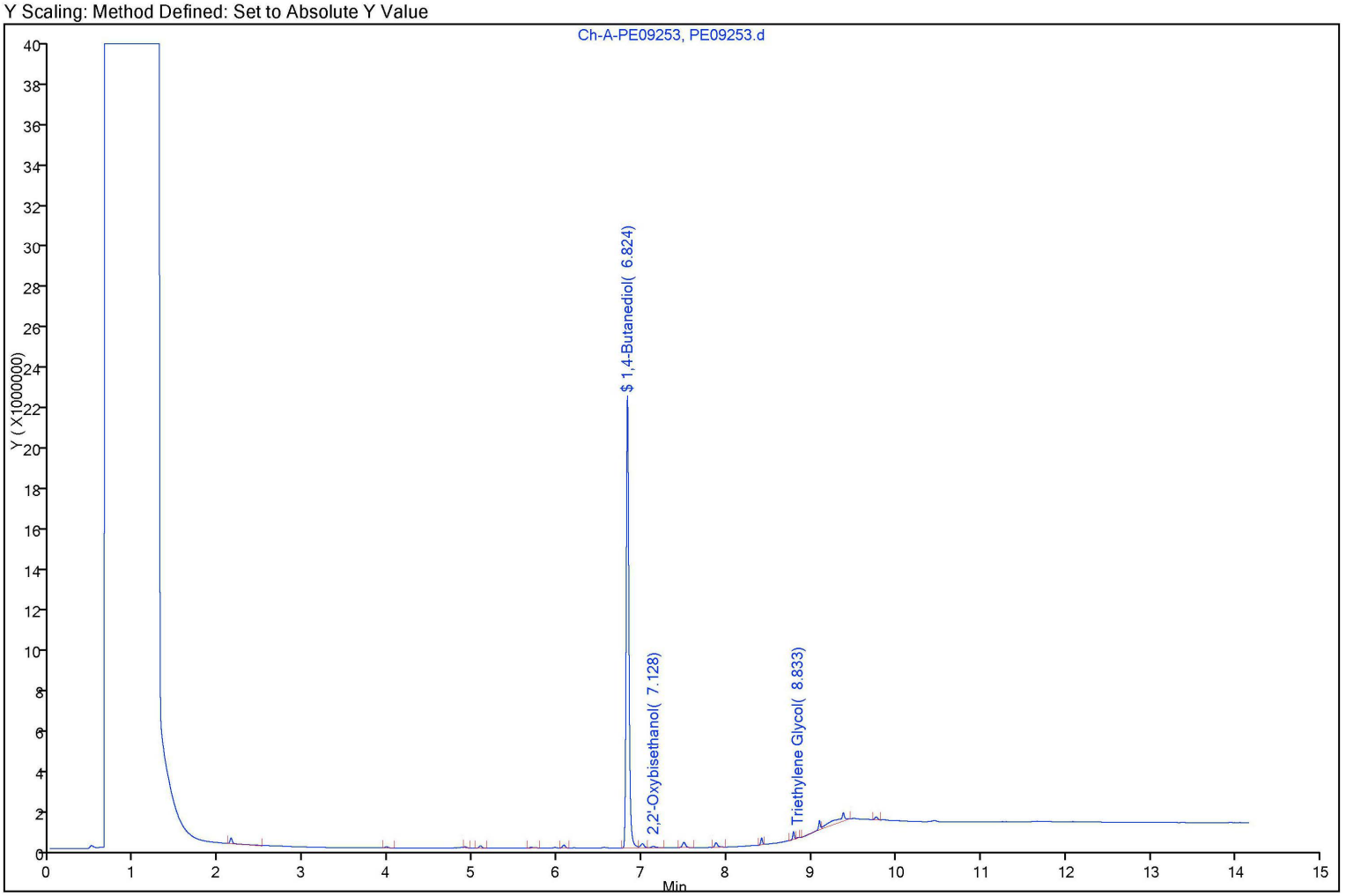
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09253.d		
Lims ID:	480-16217-B-7-A	Client ID:	HW11-P
Inject. Date:	17-Feb-2012 17:30:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-7-A		
Misc. Info.:	Study: 480-0009588-032 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	32
Detector:	Ch-A-PE09253		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.824	6.821	0.003	49512139	53.9	
1 2,2'-Oxybisethanol					
7.128	7.171	-0.043	267466	0.4945	
4 Triethylene Glycol					
8.833	8.825	0.008	43644	0.1244	

Report Date: 18-Feb-2012 08:45:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09253.d
Injection Date: 17-Feb-2012 17:30:07 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW11-P Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 32
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW53 | Lab Sample ID: 480-16217-8

Matrix: Water | Lab File ID: PE09254.d

Analysis Method: 8015B | Date Collected: 02/13/2012 14:57

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 17:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	106		66-130

FORM I 8015B

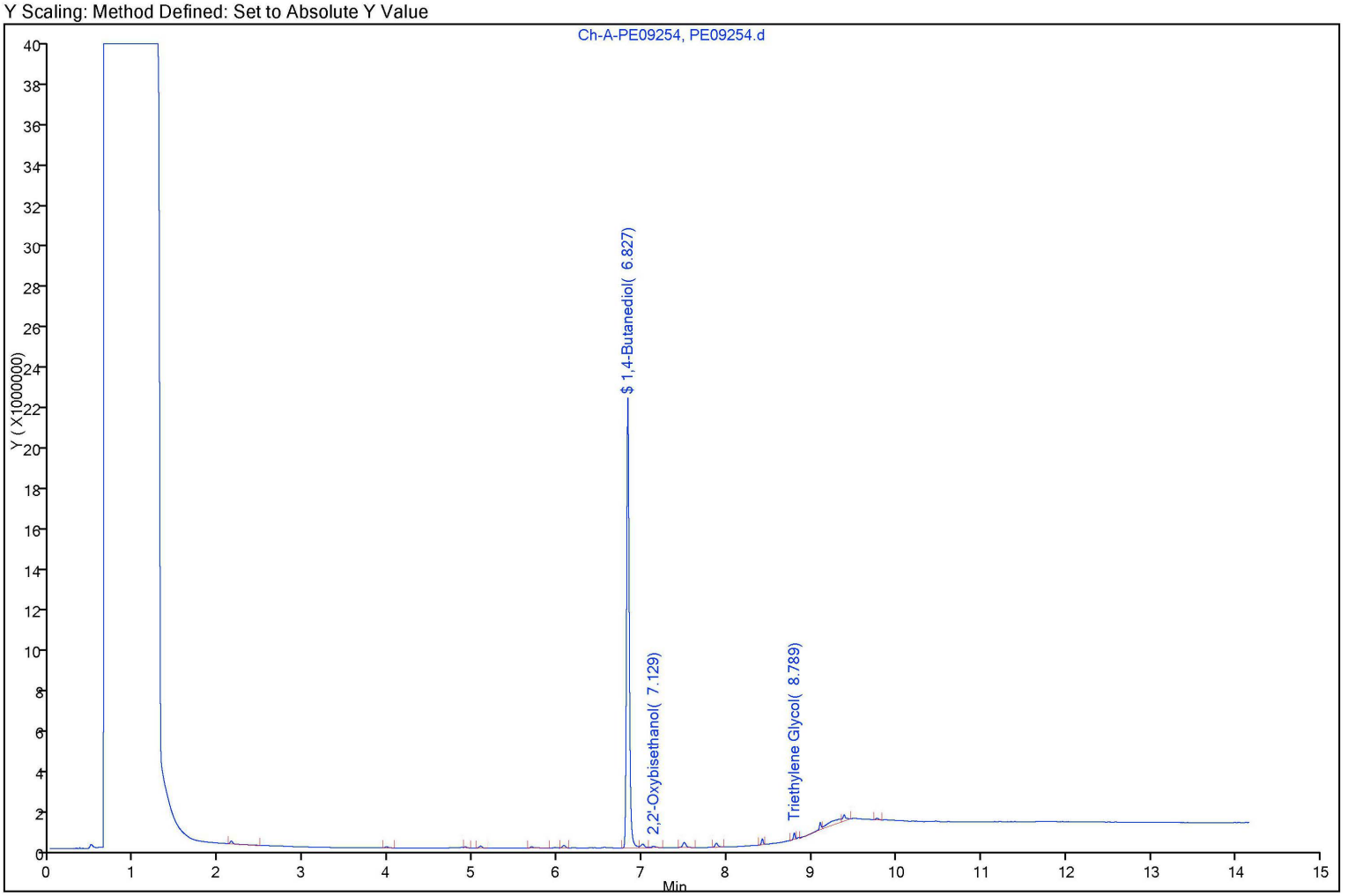
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09254.d		
Lims ID:	480-16217-B-8-A	Client ID:	HW53
Inject. Date:	17-Feb-2012 17:47:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-8-A		
Misc. Info.:	Study: 480-0009588-033 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	33
Detector:	Ch-A-PE09254		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.827	6.821	0.006	48682162	53.0	
1 2,2'-Oxybisethanol					
7.129	7.171	-0.042	239557	0.4429	
4 Triethylene Glycol					
8.789	8.825	-0.036	405968	1.16	

Report Date: 18-Feb-2012 08:45:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09254.d
Injection Date: 17-Feb-2012 17:47:23 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW53 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 33
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW53-P | Lab Sample ID: 480-16217-9

Matrix: Water | Lab File ID: PE09256.d

Analysis Method: 8015B | Date Collected: 02/13/2012 15:17

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 18:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	103		66-130

FORM I 8015B

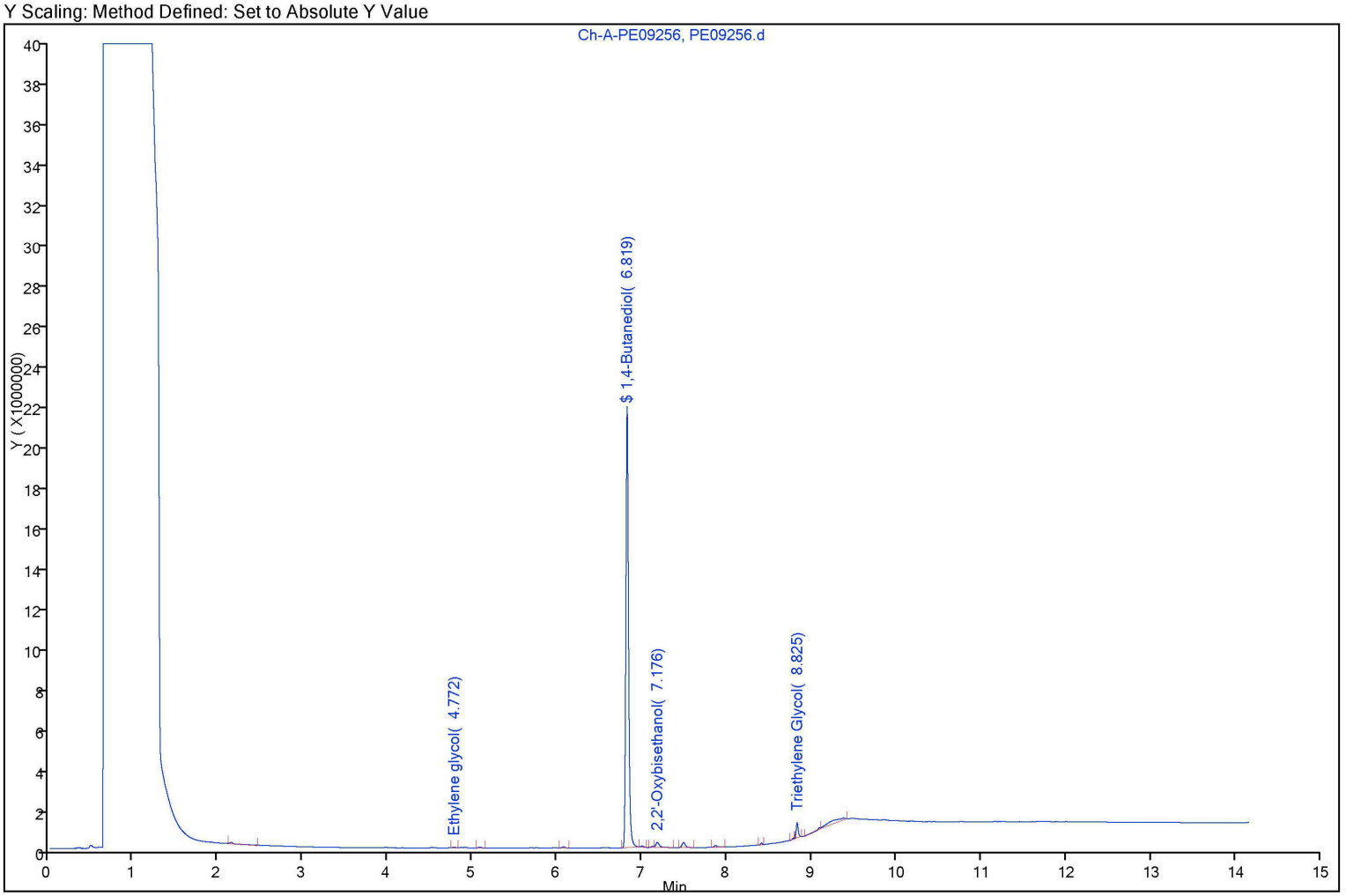
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09256.d		
Lims ID:	480-16217-B-9-A	Client ID:	HW53-P
Inject. Date:	17-Feb-2012 18:21:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-9-A		
Misc. Info.:	Study: 480-0009588-035 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	35
Detector:	Ch-A-PE09256		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
8 Ethylene glycol					
4.772	4.769	0.003	68520	0.1426	
$ 7 1,4-Butanediol					
6.819	6.825	-0.006	47492761	51.7	
1 2,2'-Oxybisethanol					
7.176	7.175	0.001	773516	1.43	
4 Triethylene Glycol					
8.825	8.829	-0.004	1225540	3.49	

Report Date: 18-Feb-2012 08:45:07 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09256.d
Injection Date: 17-Feb-2012 18:21:57 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW53-P Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 35
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW57 | Lab Sample ID: 480-16217-10

Matrix: Water | Lab File ID: PE09257.d

Analysis Method: 8015B | Date Collected: 02/14/2012 10:07

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 18:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	109		66-130

FORM I 8015B

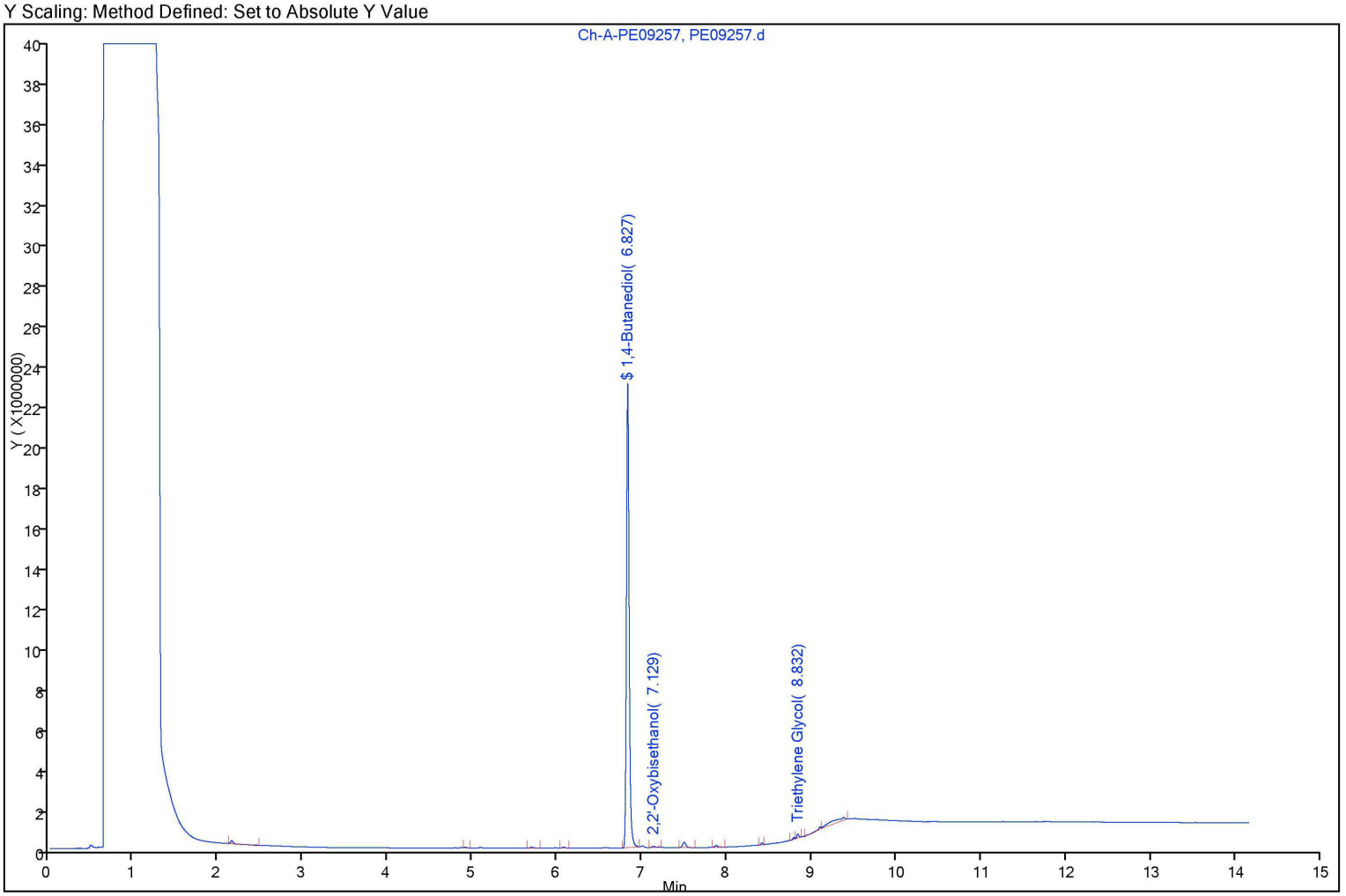
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09257.d		
Lims ID:	480-16217-B-10-A	Client ID:	HW57
Inject. Date:	17-Feb-2012 18:39:15	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-10-A		
Misc. Info.:	Study: 480-0009588-036 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	36
Detector:	Ch-A-PE09257		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.827	6.825	0.002	50213448	54.7	
1 2,2'-Oxybisethanol					
7.129	7.175	-0.046	153682	0.2841	
4 Triethylene Glycol					
8.832	8.829	0.003	334610	0.9535	

Report Date: 18-Feb-2012 08:45:07 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09257.d
Injection Date: 17-Feb-2012 18:39:15 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW57 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 36
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW57-P | Lab Sample ID: 480-16217-11

Matrix: Water | Lab File ID: PE09260.d

Analysis Method: 8015B | Date Collected: 02/14/2012 10:31

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 19:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	112		66-130

FORM I 8015B

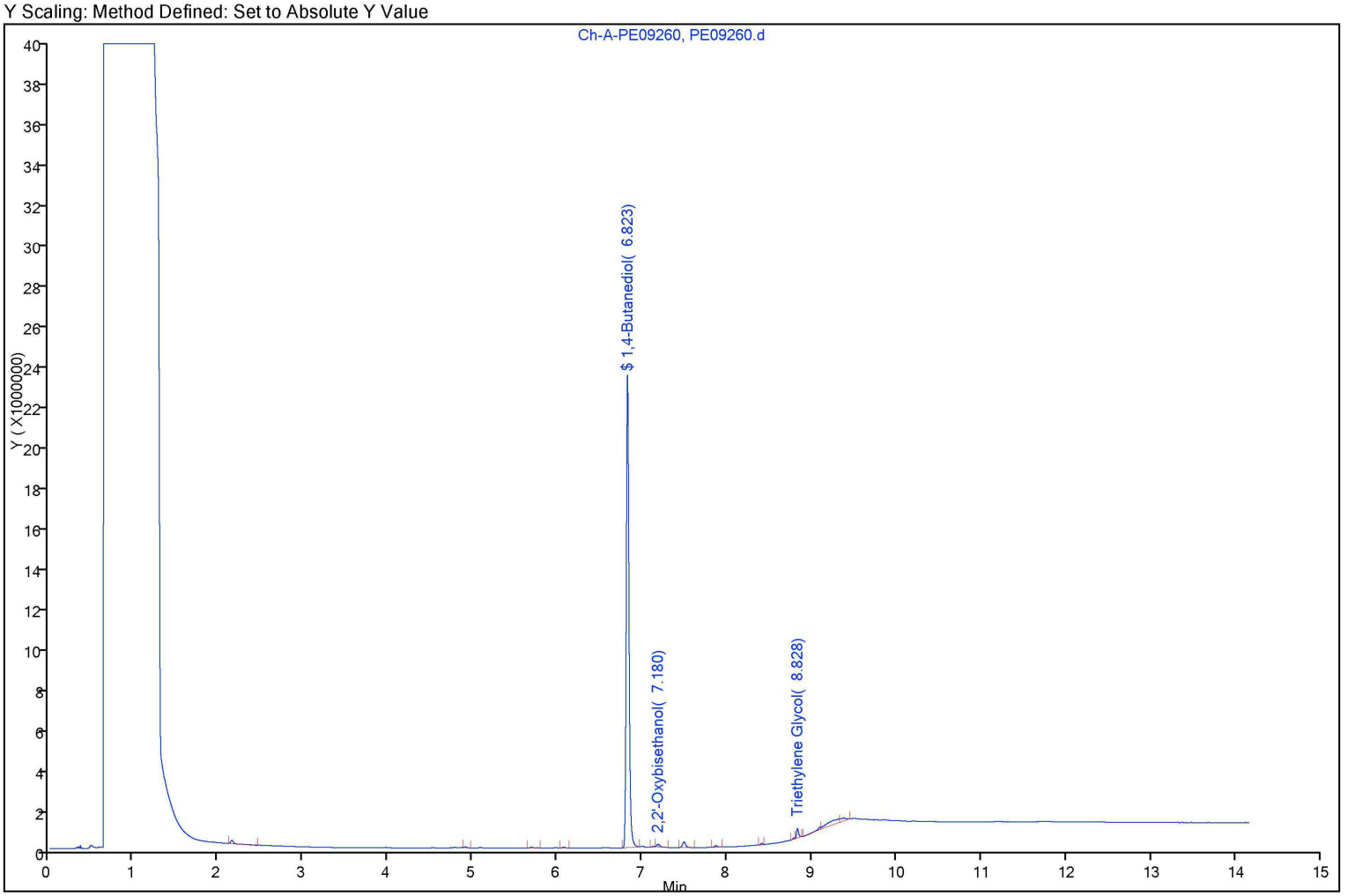
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09260.d		
Lims ID:	480-16217-B-11-A	Client ID:	HW57-P
Inject. Date:	17-Feb-2012 19:31:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-11-A		
Misc. Info.:	Study: 480-0009588-039 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	39
Detector:	Ch-A-PE09260		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.823	6.825	-0.002	51386789	56.0	
1 2,2'-Oxybisethanol					
7.180	7.175	0.005	322407	0.5961	
4 Triethylene Glycol					
8.828	8.829	-0.001	765375	2.18	

Report Date: 18-Feb-2012 08:45:08 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09260.d
Injection Date: 17-Feb-2012 19:31:08 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW57-P Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 39
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW58 | Lab Sample ID: 480-16217-12

Matrix: Water | Lab File ID: PE09261.d

Analysis Method: 8015B | Date Collected: 02/14/2012 14:47

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 19:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	106		66-130

FORM I 8015B

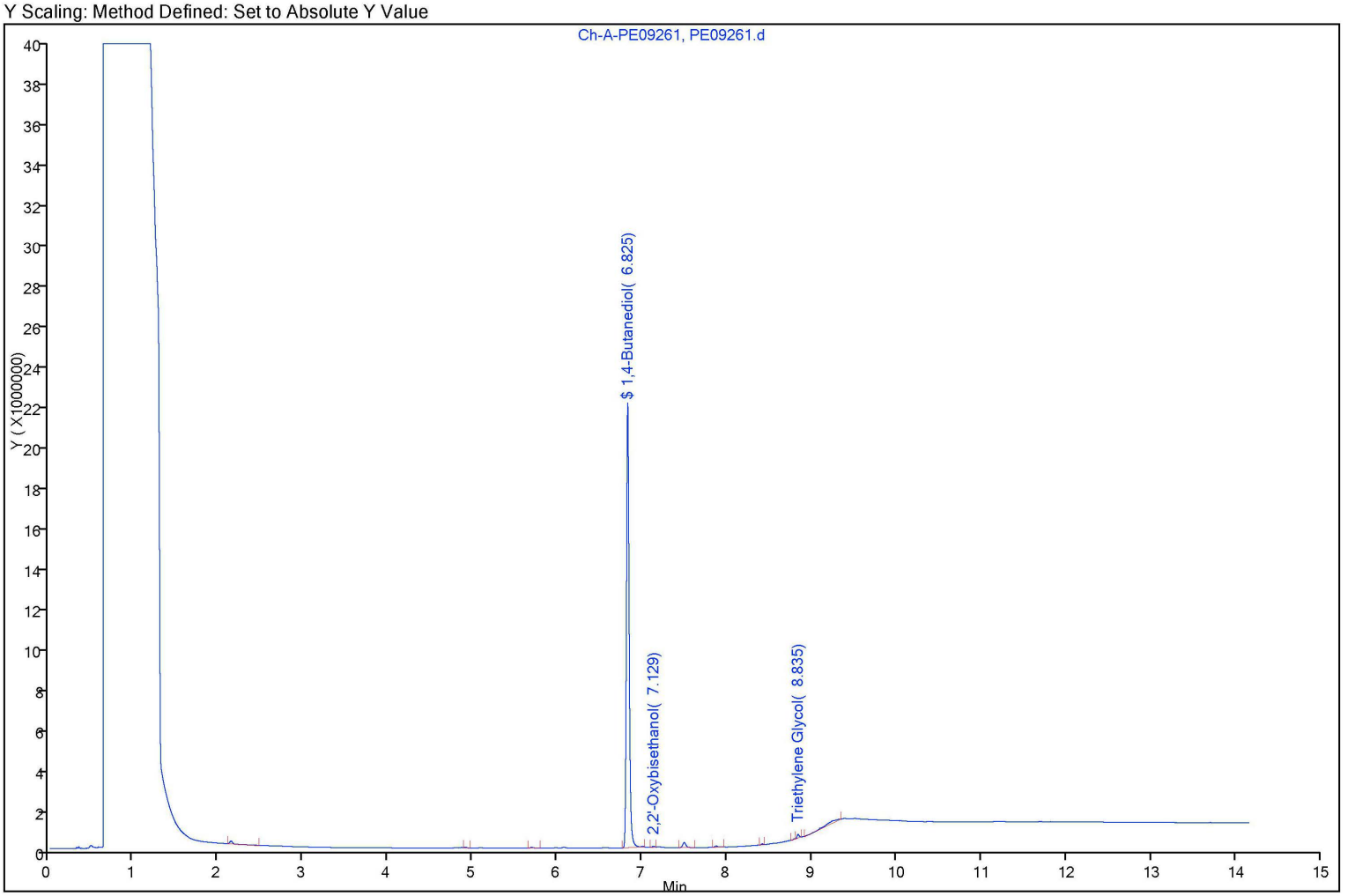
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09261.d		
Lims ID:	480-16217-B-12-A	Client ID:	HW58
Inject. Date:	17-Feb-2012 19:48:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-12-A		
Misc. Info.:	Study: 480-0009588-040 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	40
Detector:	Ch-A-PE09261		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.825	6.825	0.000	48669978	53.0	
1 2,2'-Oxybisethanol					
7.129	7.175	-0.046	87296	0.1614	
4 Triethylene Glycol					
8.835	8.829	0.006	304330	0.8672	

Report Date: 18-Feb-2012 08:45:08 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09261.d
Injection Date: 17-Feb-2012 19:48:26 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW58 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 40
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW59 | Lab Sample ID: 480-16217-13

Matrix: Water | Lab File ID: PE09262.d

Analysis Method: 8015B | Date Collected: 02/14/2012 10:33

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 20:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	107		66-130

FORM I 8015B

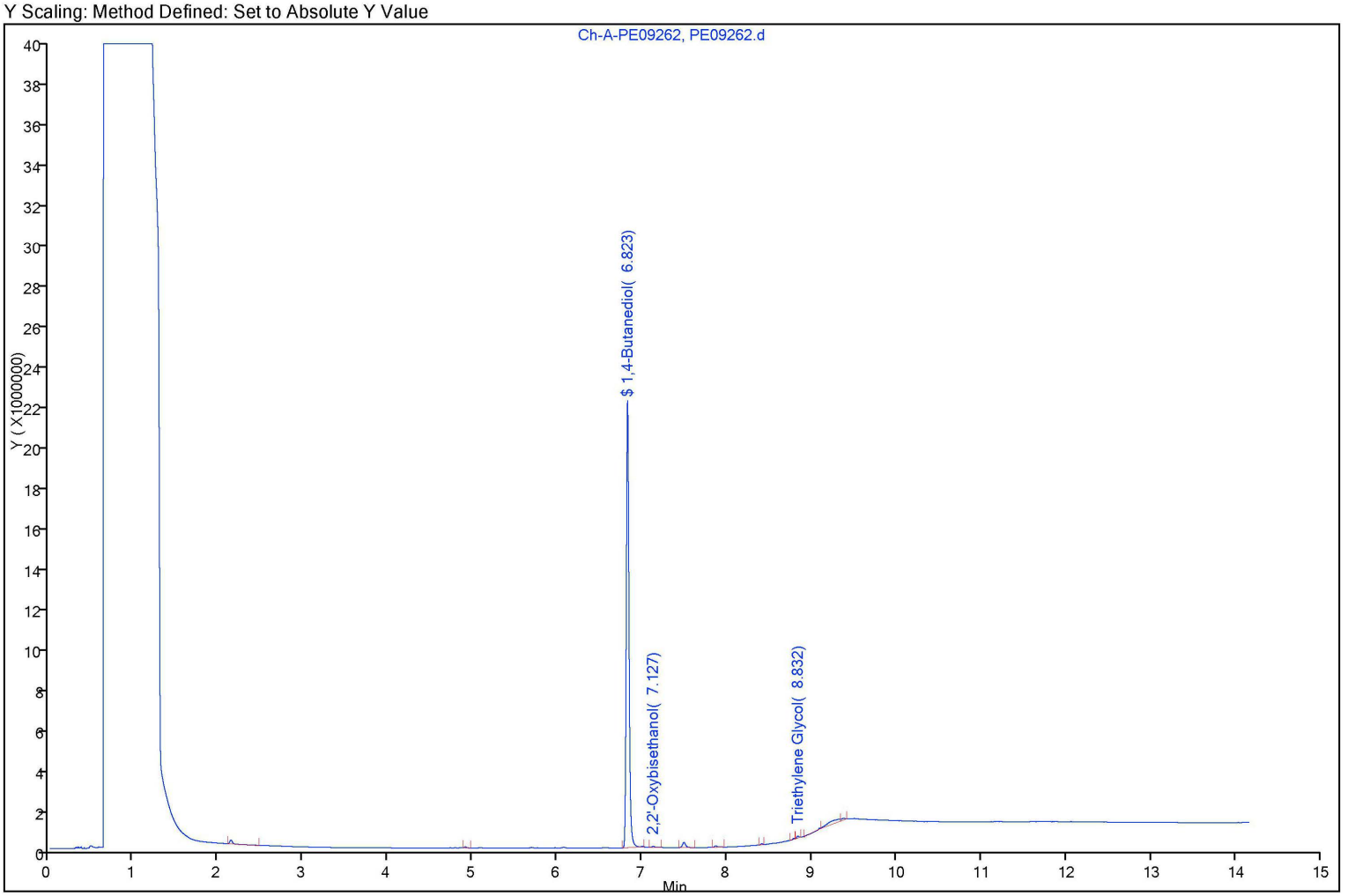
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09262.d		
Lims ID:	480-16217-B-13-A	Client ID:	HW59
Inject. Date:	17-Feb-2012 20:05:44	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16217-B-13-A		
Misc. Info.:	Study: 480-0009588-041 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	41
Detector:	Ch-A-PE09262		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.823	6.825	-0.002	48875941	53.3	
1 2,2'-Oxybisethanol					
7.127	7.175	-0.048	139537	0.2580	
4 Triethylene Glycol					
8.832	8.829	0.003	164337	0.4683	

Report Date: 18-Feb-2012 08:45:09 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09262.d
Injection Date: 17-Feb-2012 20:05:44 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW59 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 41
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



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

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1 Analy Batch No.: 49964

SDG No.:

Instrument ID: PE-01 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2012 10:57 Calibration End Date: 02/01/2012 12:06 Calibration ID: 5852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-49964/5	PE08205.d
Level 2	STD 480-49964/6	PE08206.d
Level 3	STD 480-49964/7	PE08207.d
Level 4	STD 480-49964/8	PE08208.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4							RT WINDOW	AVG RT
2-Methoxyethanol	1.904	1.920	1.912	1.907							1.870 - 1.970	1.911
2-Ethoxyethanol	2.067	2.083	2.073	2.068							2.033 - 2.133	2.073
Propylene glycol	4.515	4.524	4.519	4.523							4.474 - 4.574	4.520
Ethylene glycol	4.771	4.780	4.773	4.779							4.730 - 4.830	4.776
2,2'-Oxybisethanol	7.180	7.188	7.179	7.187							7.138 - 7.238	7.184
Triethylene Glycol	8.828	8.833	8.827	8.833							8.783 - 8.883	8.830
1,4-Butanediol	6.829	6.839	6.831	6.837							6.789 - 6.889	6.834

FORM VI
GC VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1 Analy Batch No.: 49964

SDG No.:

Instrument ID: PE-01 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2012 10:57 Calibration End Date: 02/01/2012 12:06 Calibration ID: 5852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-49964/5	PE08205.d
Level 2	STD 480-49964/6	PE08206.d
Level 3	STD 480-49964/7	PE08207.d
Level 4	STD 480-49964/8	PE08208.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4		B	M1	M2								
2-Methoxyethanol	563452	596737	595761	513714	Ave		571859.509				6.2		20.0			
2-Ethoxyethanol	751570	792686	787469	694526	Ave		760510.780				5.3		20.0			
Propylene glycol	617951	671784	682739	601502	Ave		643217.933				5.4		20.0			
Ethylene glycol	459250	498692	513964	454783	Ave		480568.287				5.3		20.0			
2,2'-Oxybisethanol	548106	538716	560304	500903	Ave		540870.511				4.4		20.0			
Triethylene Glycol	362706	305218	329041	307007	Ave		350933.990				17.0		20.0			
1,4-Butanediol	913252	977122	967058	853325	Ave		917742.130				5.9		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1 Analy Batch No.: 49964

SDG No.:

Instrument ID: PE-01 GC Column: ZB-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/01/2012 10:57 Calibration End Date: 02/01/2012 12:06 Calibration ID: 5852

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-49964/5	PE08205.d
Level 2	STD 480-49964/6	PE08206.d
Level 3	STD 480-49964/7	PE08207.d
Level 4	STD 480-49964/8	PE08208.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4		LVL 1	LVL 2	LVL 3	LVL 4	
2-Methoxyethanol	Ave	5634515	11934735	23830431	25685716		10.0	20.0	40.0	50.0	
2-Ethoxyethanol	Ave	7515699	15853713	31498762	34726285		10.0	20.0	40.0	50.0	
Propylene glycol	Ave	6179509	13435683	27309567	30075112		10.0	20.0	40.0	50.0	
Ethylene glycol	Ave	4592495	9973849	20558557	22739168		10.0	20.0	40.0	50.0	
2,2'-Oxybisethanol	Ave	5481057	10774329	22412169	25045139		10.0	20.0	40.0	50.0	
Triethylene Glycol	Ave	3627055	6104360	13161638	15350365		10.0	20.0	40.0	50.0	
1,4-Butanediol	Ave	36530103	48856122	58023475	68266023		40.0	50.0	60.0	80.0	

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

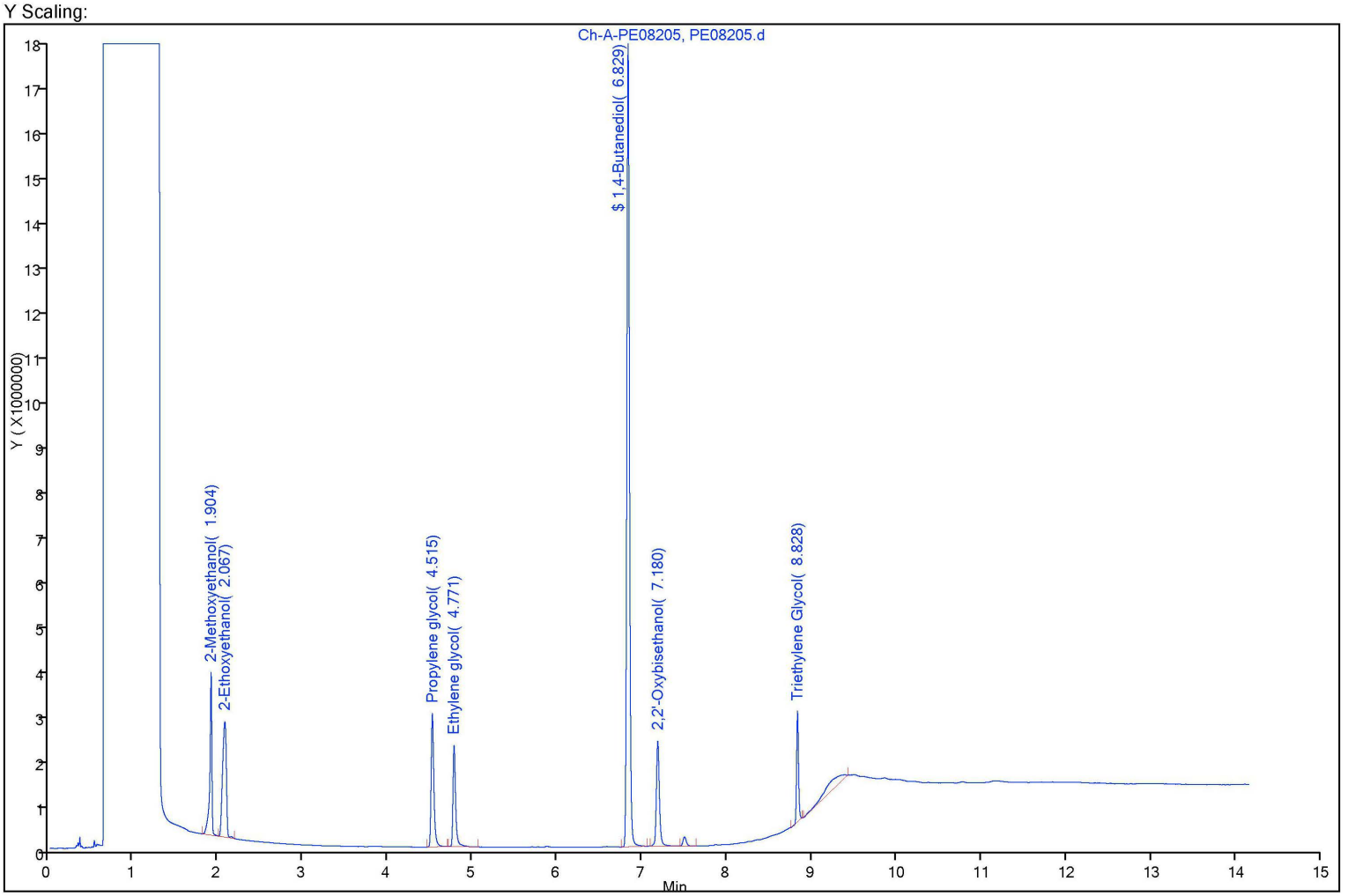
Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08205.d		
Lims ID:	std 2	Client ID:	
Inject. Date:	01-Feb-2012 11:15:07	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	#: Name: STD 2		
Misc. Info.:	Study: 480-0009213-005 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	49964	Lims Sample ID:	5
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE08205		

Method:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\8015-Gly-PE01.m		
Last Update:	02-Feb-2012 16:15:27	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-16		

First Level Reviewer: RudzG Date: 02-Feb-2012 16:15:27

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.904	1.913	-0.009	5634515	9.85	
2 2-Ethoxyethanol					
2.067	2.073	-0.006	7515699	9.88	
5 Propylene glycol					
4.515	4.524	-0.009	6179509	9.61	
8 Ethylene glycol					
4.771	4.780	-0.009	4592495	9.56	
$ 7 1,4-Butanediol					
6.829	6.839	-0.010	36530103	39.8	
1 2,2'-Oxybisethanol					
7.180	7.188	-0.008	5481057	10.1	
4 Triethylene Glycol					
8.828	8.833	-0.005	3627055	10.3	

Report Date: 02-Feb-2012 16:15:27 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08205.d
Injection Date: 01-Feb-2012 11:15:07 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 49964 Lims Sample ID: 5
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08206.d		
Lims ID:	std 3	Client ID:	
Inject. Date:	01-Feb-2012 11:32:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	#: Name: STD 3		
Misc. Info.:	Study: 480-0009213-006 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	49964	Lims Sample ID:	6
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE08206		

Method:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\8015-Gly-PE01.m		
Last Update:	02-Feb-2012 16:15:31	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-16		

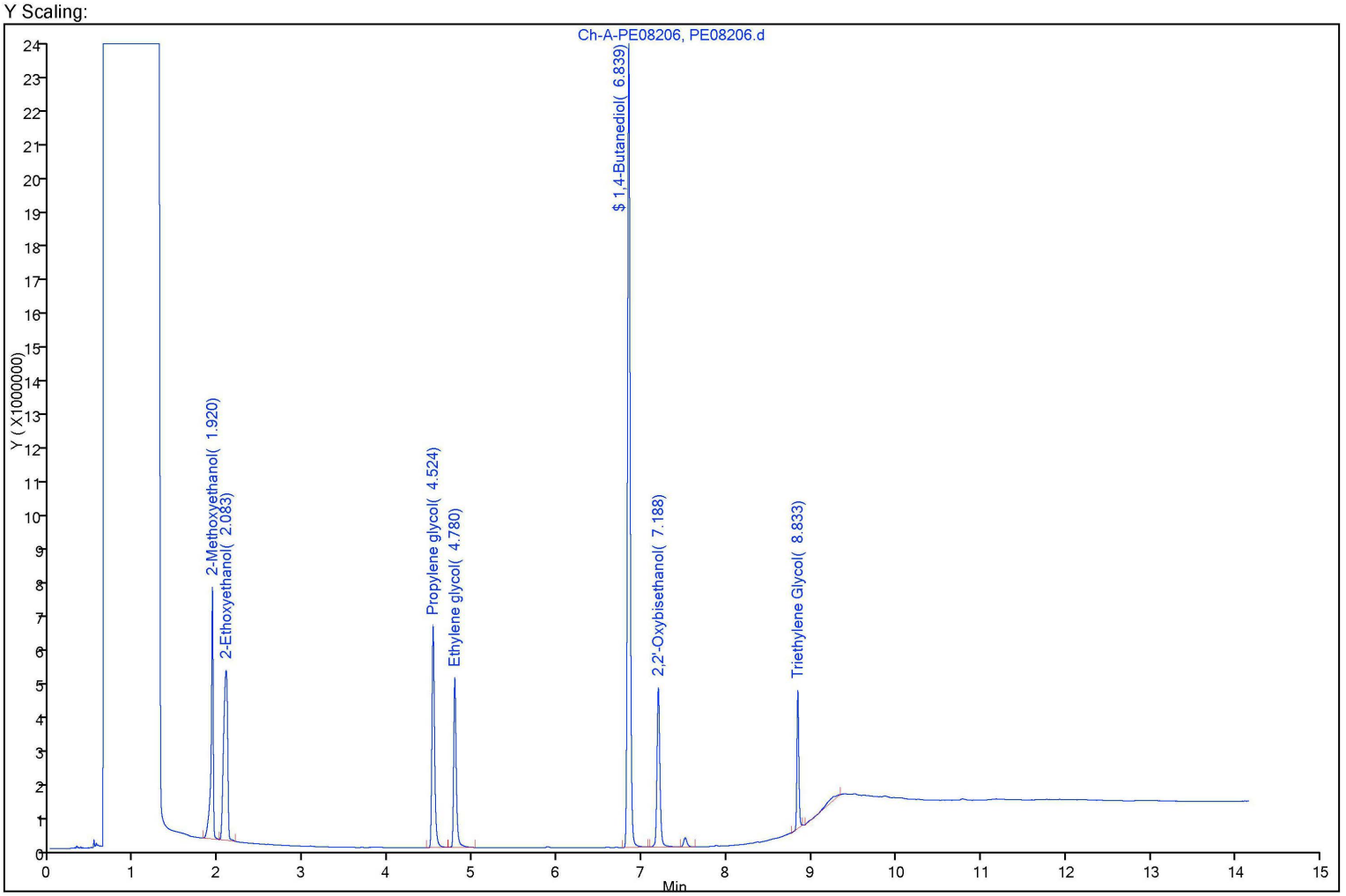
First Level Reviewer: RudzG Date: 02-Feb-2012 16:15:30

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.920	1.920	0.000	11934735	20.9	
2 2-Ethoxyethanol					M
2.083	2.083	0.000	15853713	20.8	M
5 Propylene glycol					
4.524	4.524	0.000	13435683	20.9	
8 Ethylene glycol					
4.780	4.780	0.000	9973849	20.8	
$ 7 1,4-Butanediol					
6.839	6.839	0.000	48856122	53.2	
1 2,2'-Oxybisethanol					
7.188	7.188	0.000	10774329	19.9	
4 Triethylene Glycol					
8.833	8.833	0.000	6104360	17.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 02-Feb-2012 16:15:31 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08206.d
Injection Date: 01-Feb-2012 11:32:24 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 49964 Lims Sample ID: 6
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling:



Report Date: 02-Feb-2012 16:15:31 Chrom Revision: 2.0 01-Sep-2011 14:10:00

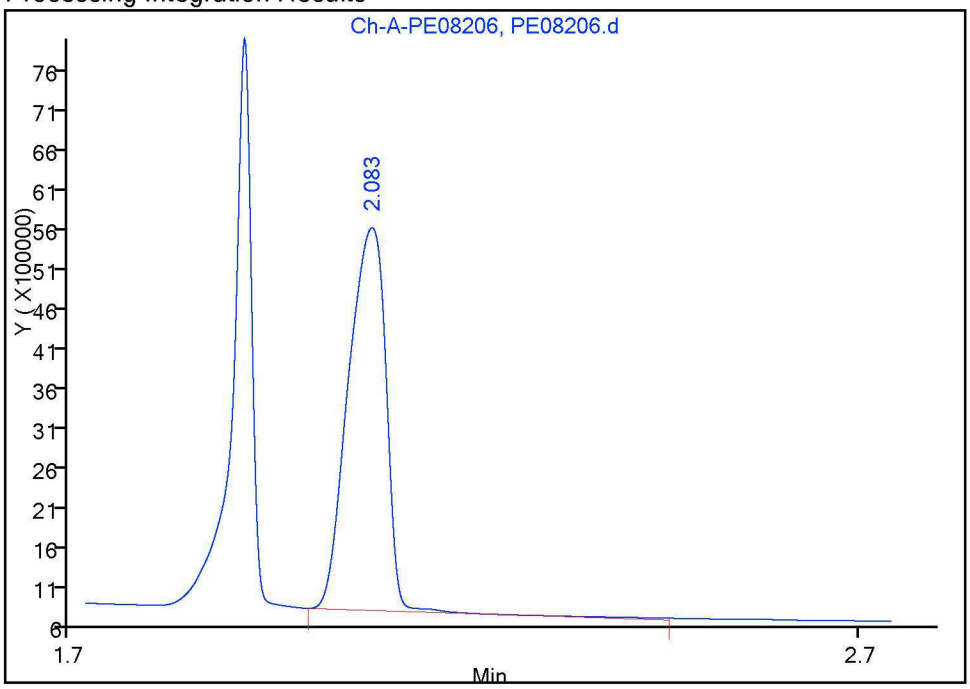
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08206.d		
Injection Date:	01-Feb-2012 11:32:24	Limit Group:	GC 8015D DAI_GLY ICAL
Client ID:		Instrument ID:	PE-01
Lims Batch ID:	49964	Lims Sample ID:	6
Operator ID:	tchrom	Injection Vol:	1.00 ul

2 2-Ethoxyethanol, Signal: 1, Type: quant, RT: 2.08

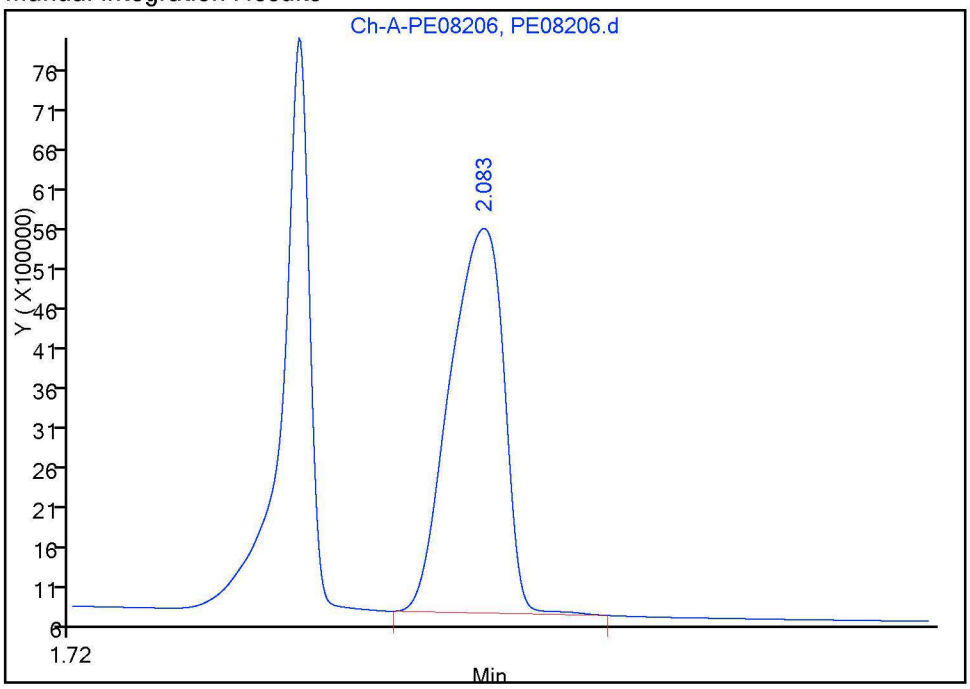
Processing Integration Results

RT: 2.08
Response: 16040383
Amount: 20.968681



Manual Integration Results

RT: 2.08
Response: 15853713
Amount: 20.846138



Reviewer: dosierc, 01-Feb-2012 13:24:45
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08207.d		
Lims ID:	std 4	Client ID:	
Inject. Date:	01-Feb-2012 11:49:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	#: Name: STD 4		
Misc. Info.:	Study: 480-0009213-007 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	49964	Lims Sample ID:	7
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE08207		

Method:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\8015-Gly-PE01.m		
Last Update:	02-Feb-2012 16:15:48	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-16		

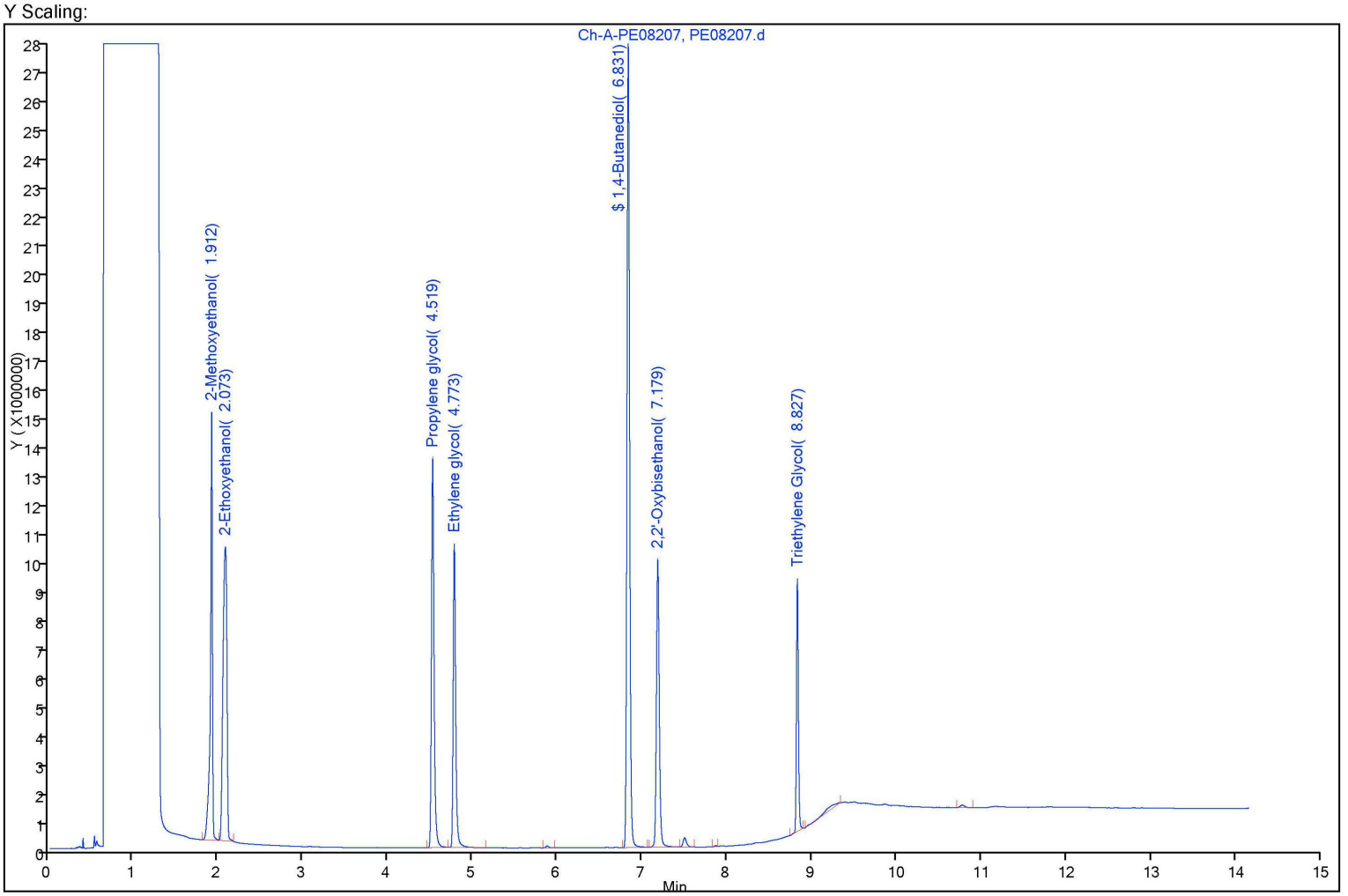
First Level Reviewer: RudzG Date: 02-Feb-2012 16:15:48

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.912	1.920	-0.008	23830431	41.7	
2 2-Ethoxyethanol					M
2.073	2.083	-0.010	31498762	41.4	M
5 Propylene glycol					
4.519	4.524	-0.005	27309567	42.5	
8 Ethylene glycol					
4.773	4.780	-0.007	20558557	42.8	
$ 7 1,4-Butanediol					
6.831	6.839	-0.008	58023475	63.2	
1 2,2'-Oxybisethanol					
7.179	7.188	-0.009	22412169	41.4	
4 Triethylene Glycol					
8.827	8.833	-0.006	13161638	37.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 02-Feb-2012 16:15:48 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08207.d
Injection Date: 01-Feb-2012 11:49:42 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 49964 Lims Sample ID: 7
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling:



Report Date: 02-Feb-2012 16:15:48 Chrom Revision: 2.0 01-Sep-2011 14:10:00

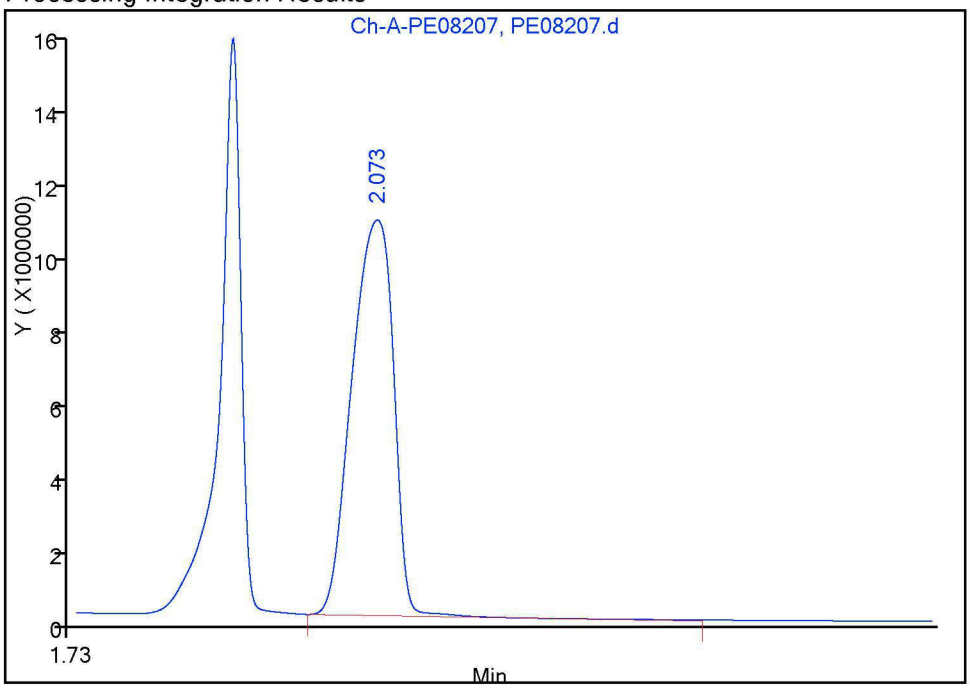
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08207.d		
Injection Date:	01-Feb-2012 11:49:42	Limit Group:	GC 8015D DAI_GLY ICAL
Client ID:		Instrument ID:	PE-01
Lims Batch ID:	49964	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.00 ul

2 2-Ethoxyethanol, Signal: 1, Type: quant, RT: 2.08

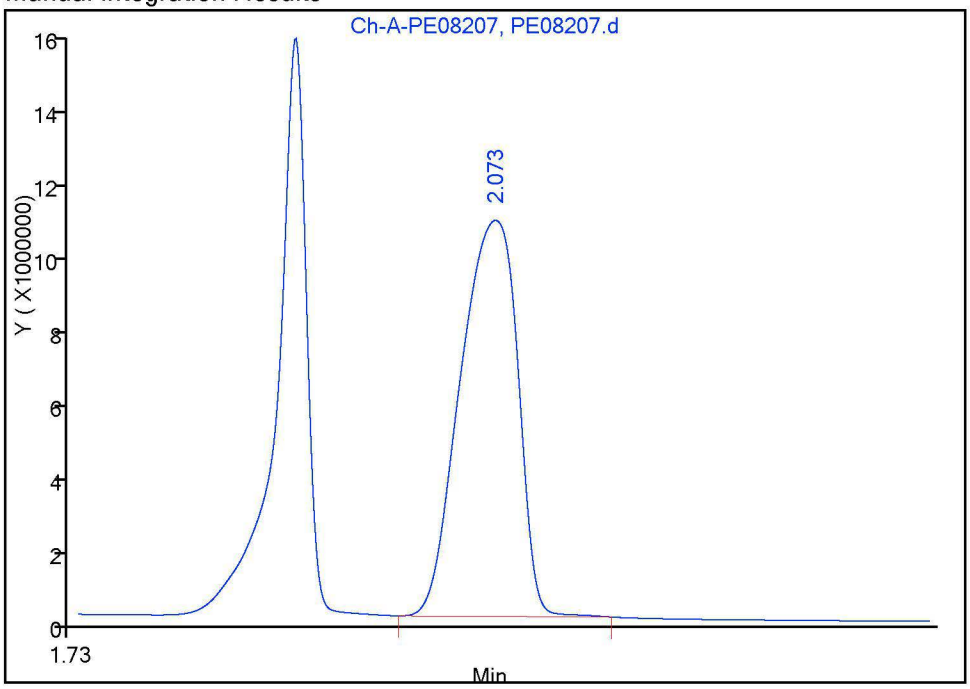
Processing Integration Results

RT: 2.07
Response: 31831103
Amount: 41.712780



Manual Integration Results

RT: 2.07
Response: 31498762
Amount: 41.417903



Reviewer: dosierc, 01-Feb-2012 13:25:26
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Lims ID:	std 5	Client ID:	
Inject. Date:	01-Feb-2012 12:06:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	#: Name: STD 5		
Misc. Info.:	Study: 480-0009213-008 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	49964	Lims Sample ID:	8
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE08208		

Method:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\8015-Gly-PE01.m		
Last Update:	02-Feb-2012 16:15:40	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-16		

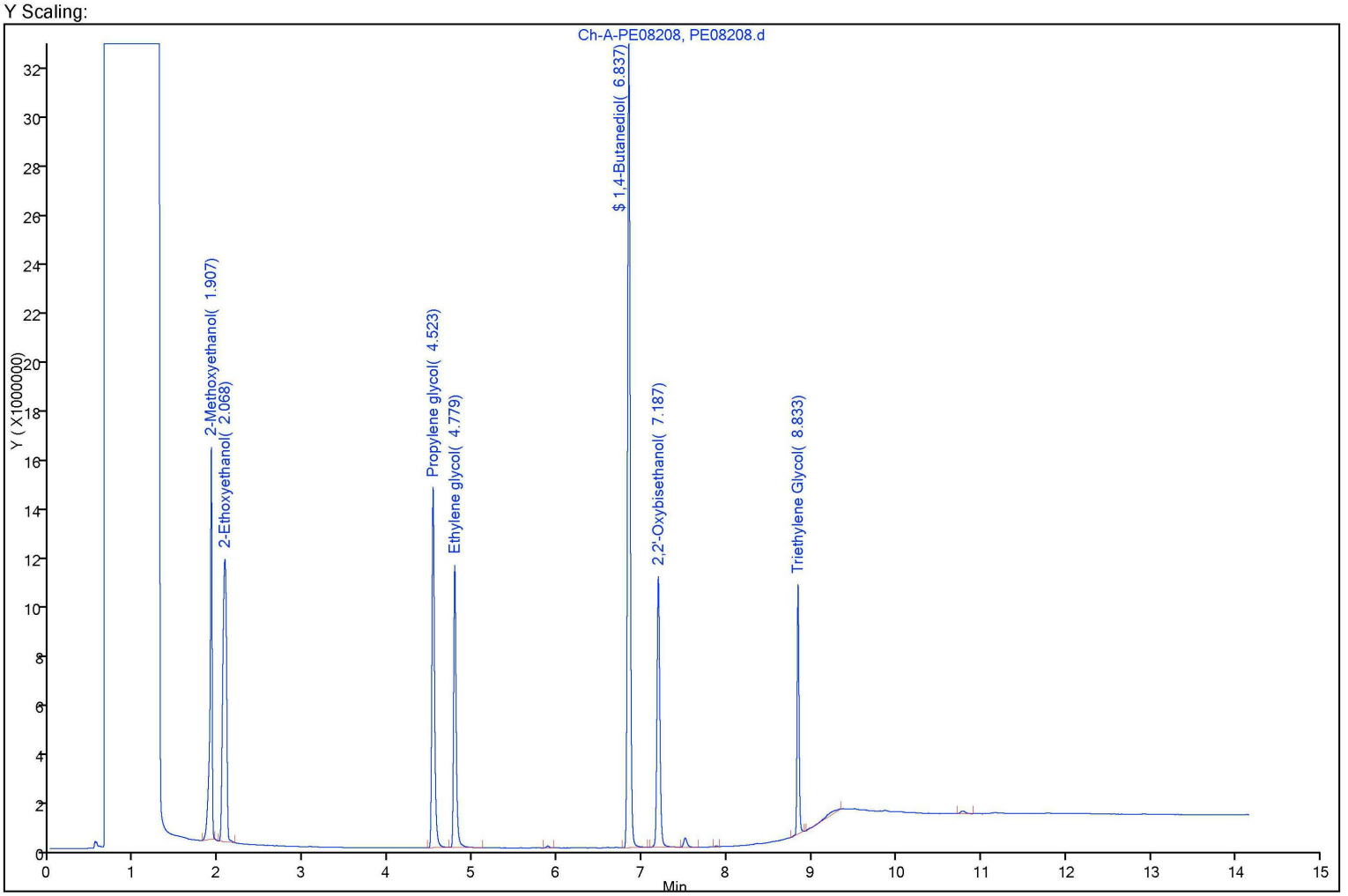
First Level Reviewer: RudzG Date: 02-Feb-2012 16:15:40

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					M
1.907	1.920	-0.013	25685716	44.9	M
2 2-Ethoxyethanol					M
2.068	2.083	-0.015	34726285	45.7	M
5 Propylene glycol					
4.523	4.524	-0.001	30075112	46.8	
8 Ethylene glycol					
4.779	4.780	-0.001	22739168	47.3	
$ 7 1,4-Butanediol					
6.837	6.839	-0.002	68266023	74.4	
1 2,2'-Oxybisethanol					
7.187	7.188	-0.001	25045139	46.3	
4 Triethylene Glycol					
8.833	8.833	0.000	15350365	43.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 02-Feb-2012 16:15:40 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d
Injection Date: 01-Feb-2012 12:06:59 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 49964 Lims Sample ID: 8
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling:



Report Date: 02-Feb-2012 16:15:40 Chrom Revision: 2.0 01-Sep-2011 14:10:00

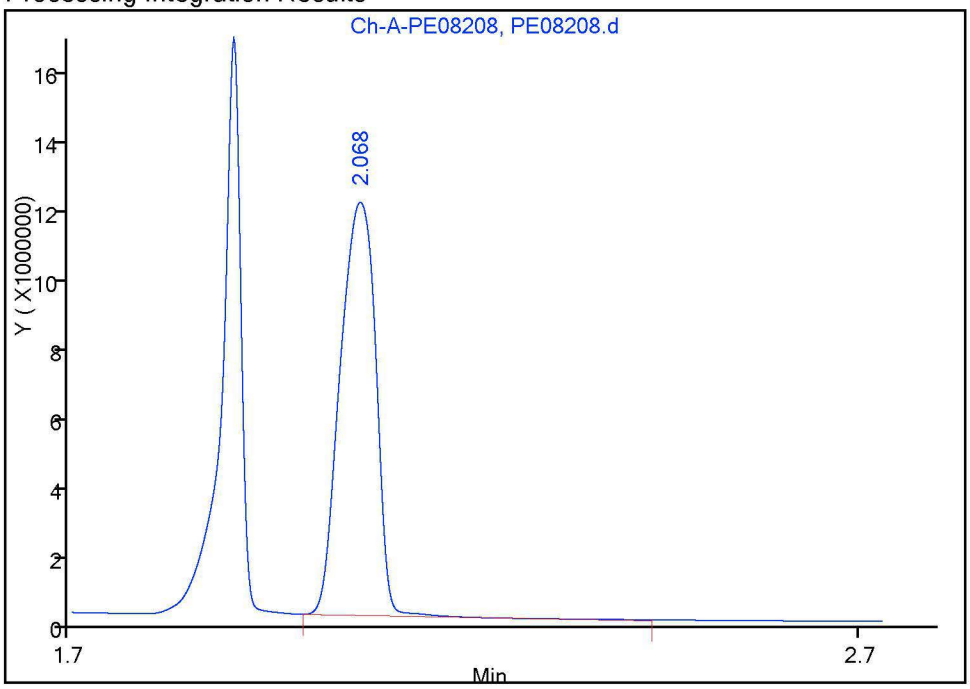
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Injection Date:	01-Feb-2012 12:06:59	Limit Group:	GC 8015D DAI_GLY ICAL
Client ID:		Instrument ID:	PE-01
Lims Batch ID:	49964	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.00 ul

2 2-Ethoxyethanol, Signal: 1, Type: quant, RT: 2.08

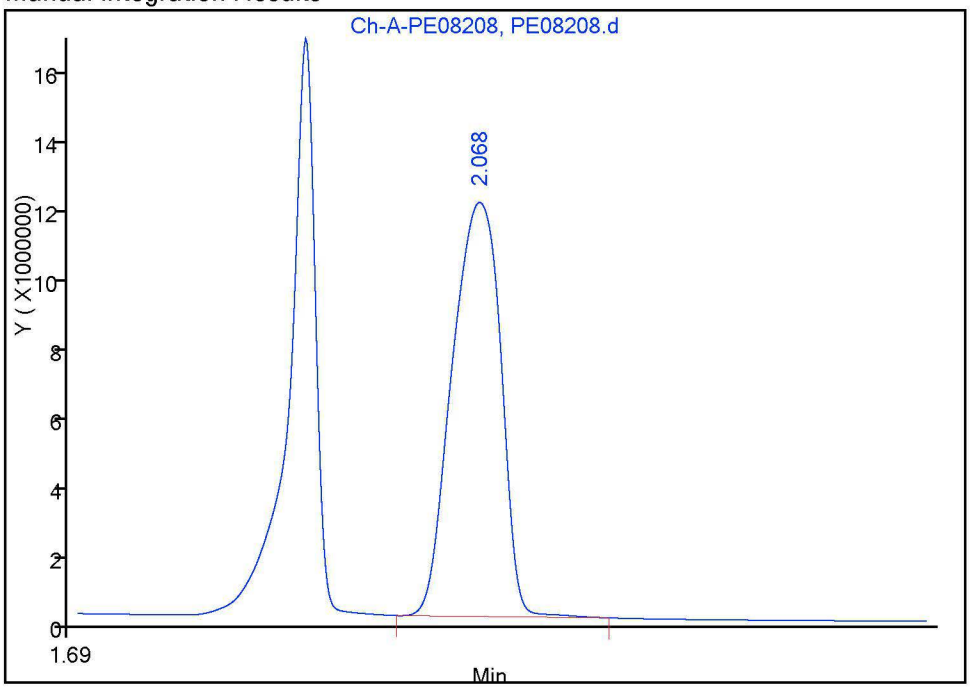
Processing Integration Results

RT: 2.07
Response: 34958648
Amount: 45.911217



Manual Integration Results

RT: 2.07
Response: 34726285
Amount: 45.661792



Reviewer: dosierc, 01-Feb-2012 13:27:00
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Peak Tail

Report Date: 02-Feb-2012 16:15:40 Chrom Revision: 2.0 01-Sep-2011 14:10:00

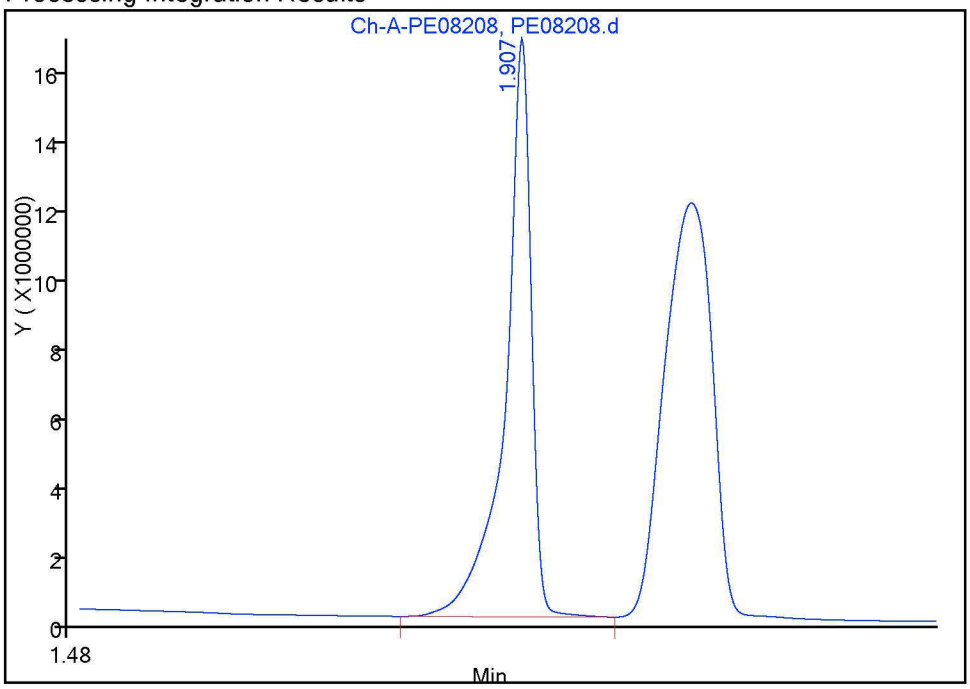
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Injection Date:	01-Feb-2012 12:06:59	Limit Group:	GC 8015D DAI_GLY ICAL
Client ID:		Instrument ID:	PE-01
Lims Batch ID:	49964	Lims Sample ID:	8
Operator ID:	tchrom	Injection Vol:	1.00 ul

6 2-Methoxyethanol, Signal: 1, Type: quant, RT: 1.92

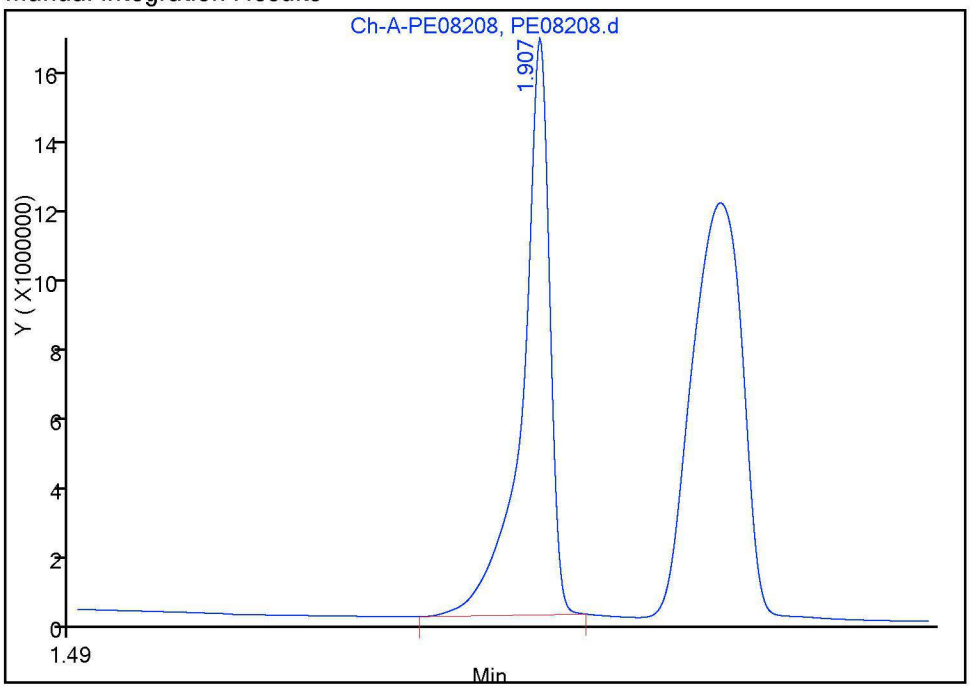
Processing Integration Results

RT: 1.91
Response: 26173052
Amount: 45.612841



Manual Integration Results

RT: 1.91
Response: 25685716
Amount: 44.916130



Reviewer: dosierc, 01-Feb-2012 13:27:00
Audit Action: Manually Integrated/Assigned Compound ID
Audit Reason: Incomplete Integration

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: CCV 480-51962/23 Calibration Date: 02/17/2012 14:54

Instrument ID: PE-01 Calib Start Date: 02/01/2012 10:57

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/01/2012 12:06

Lab File ID: PE09244.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methoxyethanol	Ave	571860	664765		23.2	20.0	16.2	20.0
2-Ethoxyethanol	Ave	760511	886892		23.3	20.0	16.6	20.0
Propylene glycol	Ave	643218	742282		23.1	20.0	15.4	20.0
Ethylene glycol	Ave	480568	549536		22.9	20.0	14.4	20.0
2,2'-Oxybisethanol	Ave	540871	606742		22.4	20.0	12.2	20.0
Triethylene Glycol	Ave	350934	315363		18.0	20.0	-10.1	20.0
1,4-Butanediol	Ave	917742	944359		51.5	50.0	2.9	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: CCV 480-51962/23 Calibration Date: 02/17/2012 14:54

Instrument ID: PE-01 Calib Start Date: 02/01/2012 10:57

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/01/2012 12:06

Lab File ID: PE09244.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
2-Methoxyethanol	1.91	1.86	1.96
2-Ethoxyethanol	2.07	2.02	2.12
Propylene glycol	4.51	4.46	4.56
Ethylene glycol	4.76	4.71	4.81
2,2'-Oxybisethanol	7.17	7.12	7.22
Triethylene Glycol	8.83	8.78	8.88
1,4-Butanediol	6.82	6.77	6.87

TestAmerica Laboratories
Target Compound Quantitation Report

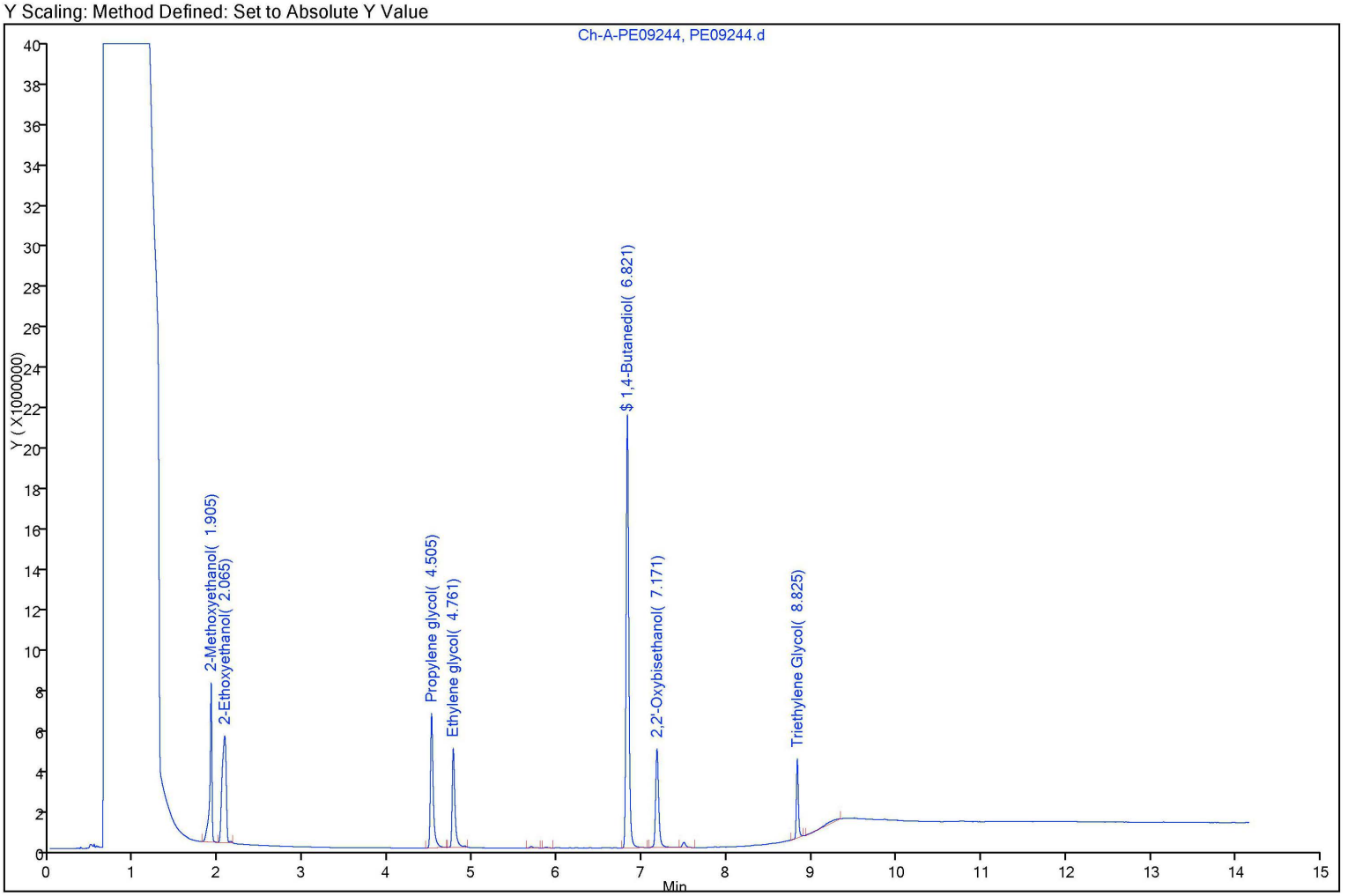
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09244.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Feb-2012 14:54:25	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: Name: CCV		
Misc. Info.:	Study: 480-0009588-023 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	23
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE09244		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 15:19:53	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: NearyM Date: 17-Feb-2012 15:19:53

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.905	1.905	0.000	13295292	23.2	
2 2-Ethoxyethanol					
2.065	2.065	0.000	17737845	23.3	
5 Propylene glycol					
4.505	4.505	0.000	14845649	23.1	
8 Ethylene glycol					
4.761	4.761	0.000	10990722	22.9	
$ 7 1,4-Butanediol					
6.821	6.821	0.000	47217962	51.5	
1 2,2'-Oxybisethanol					
7.171	7.171	0.000	12134831	22.4	
4 Triethylene Glycol					
8.825	8.825	0.000	6307263	18.0	

Report Date: 17-Feb-2012 15:19:53 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09244.d
Injection Date: 17-Feb-2012 14:54:25 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 23
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: CCV 480-51962/34 Calibration Date: 02/17/2012 18:04

Instrument ID: PE-01 Calib Start Date: 02/01/2012 10:57

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/01/2012 12:06

Lab File ID: PE09255.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methoxyethanol	Ave	571860	717780		25.1	20.0	25.5*	20.0
2-Ethoxyethanol	Ave	760511	975186		25.6	20.0	28.2*	20.0
Propylene glycol	Ave	643218	816023		25.4	20.0	26.9*	20.0
Ethylene glycol	Ave	480568	607592		25.3	20.0	26.4*	20.0
2,2'-Oxybisethanol	Ave	540871	628010		23.2	20.0	16.1	20.0
Triethylene Glycol	Ave	350934	282432		16.1	20.0	-19.5	20.0
1,4-Butanediol	Ave	917742	1050612		57.2	50.0	14.5	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: CCV 480-51962/34 Calibration Date: 02/17/2012 18:04

Instrument ID: PE-01 Calib Start Date: 02/01/2012 10:57

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/01/2012 12:06

Lab File ID: PE09255.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
2-Methoxyethanol	1.93	1.88	1.98
2-Ethoxyethanol	2.08	2.03	2.13
Propylene glycol	4.52	4.47	4.57
Ethylene glycol	4.77	4.72	4.82
2,2'-Oxybisethanol	7.18	7.13	7.23
Triethylene Glycol	8.83	8.78	8.88
1,4-Butanediol	6.83	6.78	6.88

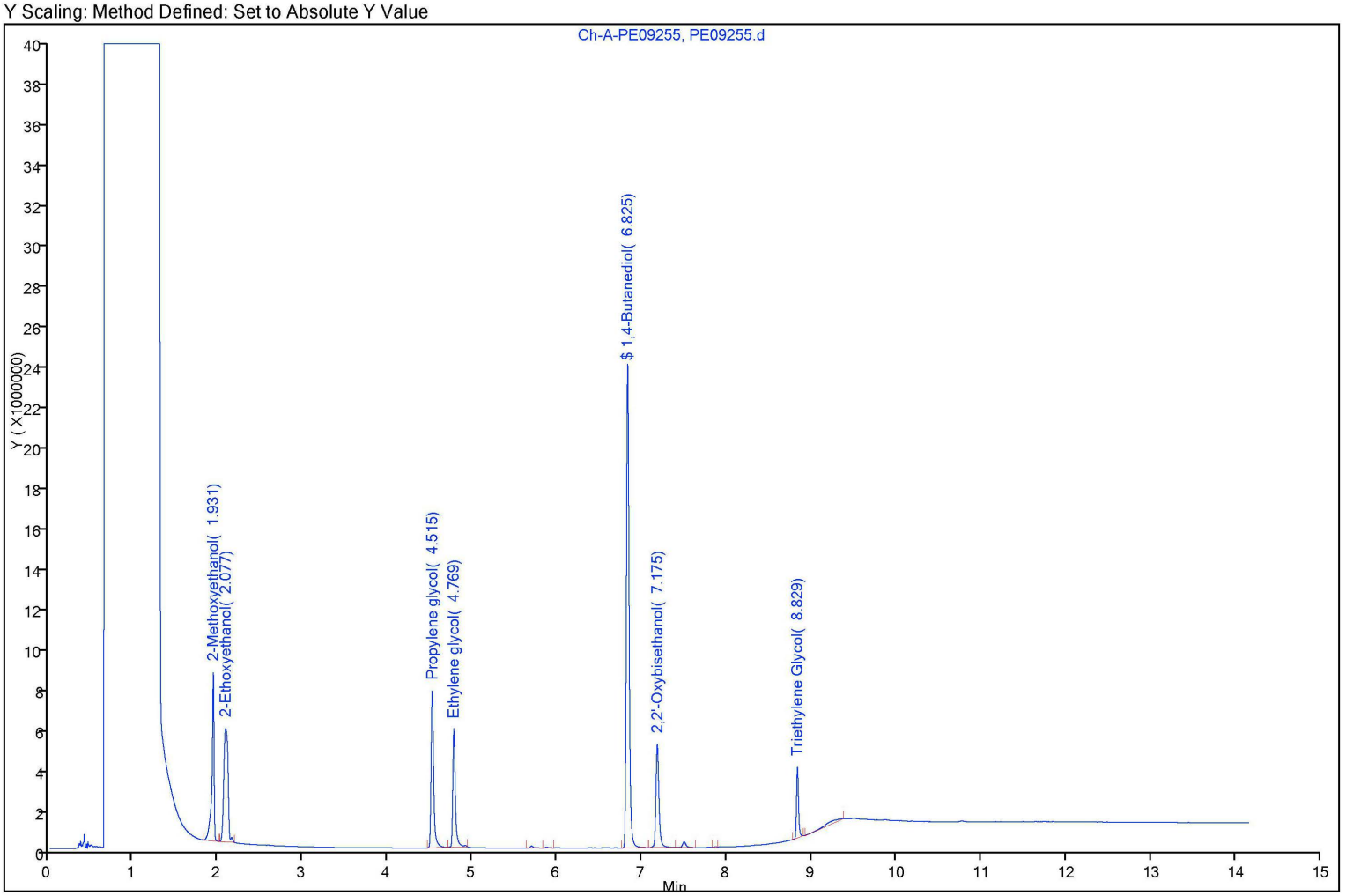
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09255.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Feb-2012 18:04:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: Name: CCV		
Misc. Info.:	Study: 480-0009588-034 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	34
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE09255		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.931	1.931	0.000	14355600	25.1	
2 2-Ethoxyethanol					
2.077	2.077	0.000	19503722	25.6	
5 Propylene glycol					
4.515	4.515	0.000	16320460	25.4	
8 Ethylene glycol					
4.769	4.769	0.000	12151832	25.3	
$ 7 1,4-Butanediol					
6.825	6.825	0.000	52530608	57.2	
1 2,2'-Oxybisethanol					
7.175	7.175	0.000	12560197	23.2	
4 Triethylene Glycol					
8.829	8.829	0.000	5648647	16.1	

Report Date: 18-Feb-2012 08:45:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09255.d
Injection Date: 17-Feb-2012 18:04:40 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 34
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



DIM0273514 DIM0273614

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: CCV 480-51962/42 Calibration Date: 02/17/2012 20:23

Instrument ID: PE-01 Calib Start Date: 02/01/2012 10:57

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/01/2012 12:06

Lab File ID: PE09263.d Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methoxyethanol	Ave	571860	665354		23.3	20.0	16.3	20.0
2-Ethoxyethanol	Ave	760511	887579		23.3	20.0	16.7	20.0
Propylene glycol	Ave	643218	738443		23.0	20.0	14.8	20.0
Ethylene glycol	Ave	480568	542614		22.6	20.0	12.9	20.0
2,2'-Oxybisethanol	Ave	540871	550061		20.3	20.0	1.7	20.0
Triethylene Glycol	Ave	350934	227901		13.0	20.0	-35.1*	20.0
1,4-Butanediol	Ave	917742	939149		51.2	50.0	2.3	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Lab Sample ID: CCV 480-51962/42 Calibration Date: 02/17/2012 20:23

Instrument ID: PE-01 Calib Start Date: 02/01/2012 10:57

GC Column: ZB-5 ID: 0.25(mm) Calib End Date: 02/01/2012 12:06

Lab File ID: PE09263.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
2-Methoxyethanol	1.91	1.86	1.96
2-Ethoxyethanol	2.08	2.03	2.13
Propylene glycol	4.52	4.47	4.57
Ethylene glycol	4.77	4.72	4.82
2,2'-Oxybisethanol	7.18	7.13	7.23
Triethylene Glycol	8.83	8.78	8.88
1,4-Butanediol	6.83	6.78	6.88

TestAmerica Laboratories
Target Compound Quantitation Report

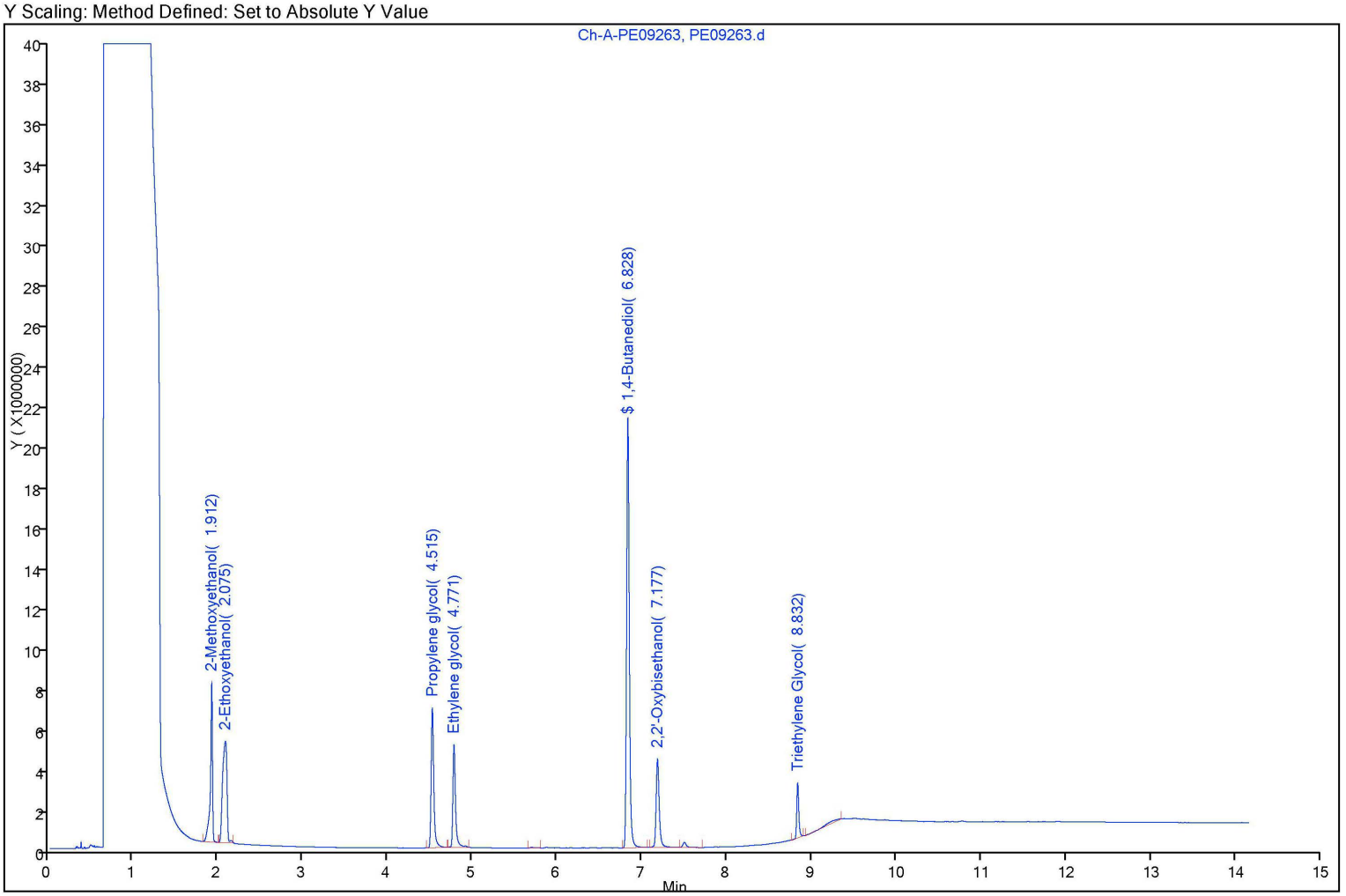
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09263.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Feb-2012 20:23:03	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: Name: CCV		
Misc. Info.:	Study: 480-0009588-042 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	42
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE09263		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:18:25	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: NearyM Date: 18-Feb-2012 08:18:25

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.912	1.912	0.000	13307076	23.3	
2 2-Ethoxyethanol					
2.075	2.075	0.000	17751578	23.3	
5 Propylene glycol					
4.515	4.515	0.000	14768859	23.0	
8 Ethylene glycol					
4.771	4.771	0.000	10852277	22.6	
$ 7 1,4-Butanediol					
6.828	6.828	0.000	46957460	51.2	
1 2,2'-Oxybisethanol					
7.177	7.177	0.000	11001219	20.3	
4 Triethylene Glycol					
8.832	8.832	0.000	4558016	13.0	

Report Date: 18-Feb-2012 08:18:25 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09263.d
Injection Date: 17-Feb-2012 20:23:03 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 42
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



DIM0273514 DIM0273618

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-51945/1-A

Matrix: Water | Lab File ID: PE09245.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 15:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	ND		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	101		66-130

FORM I 8015B

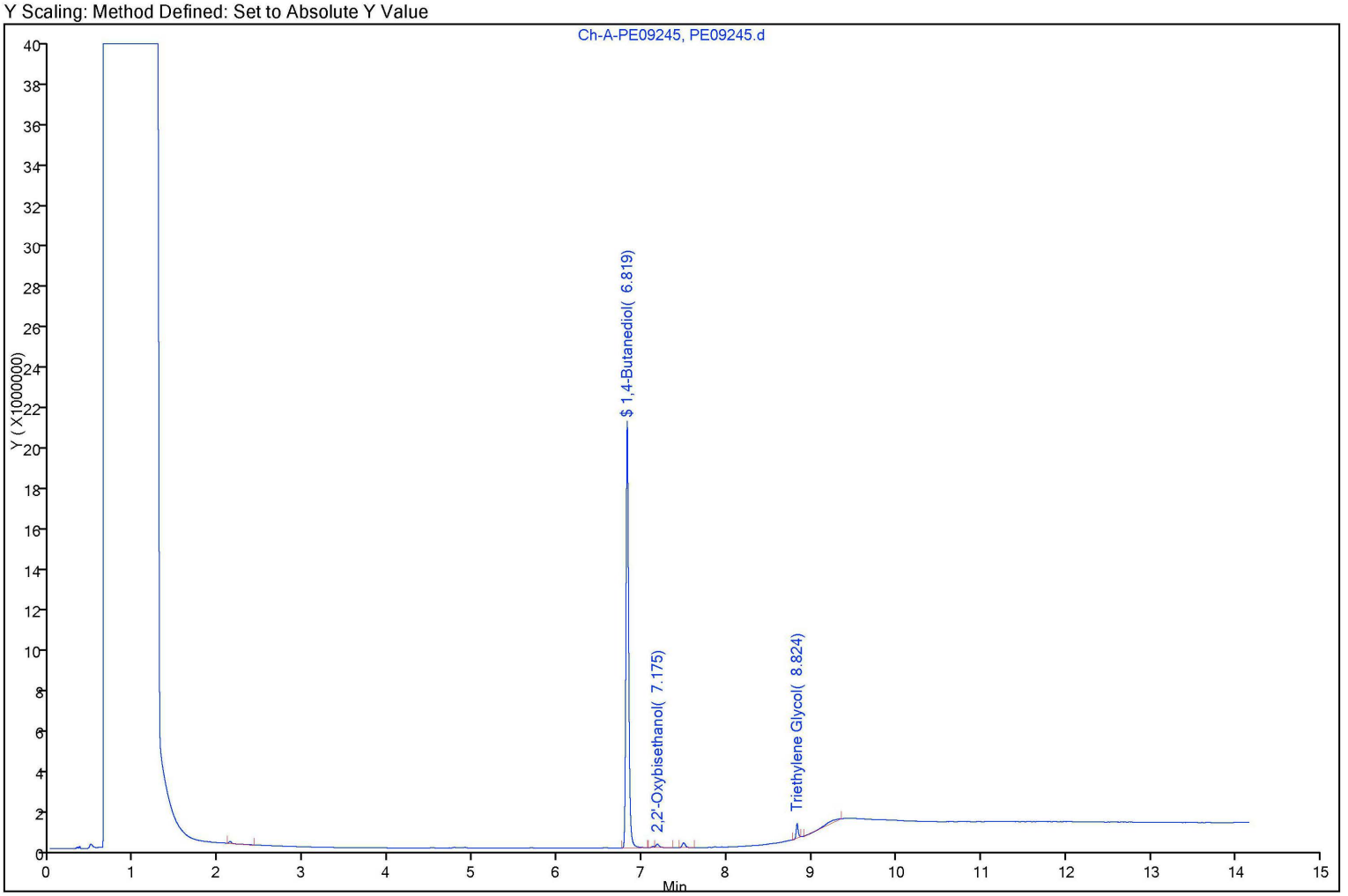
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09245.d		
Lims ID:	MB 480-51945/1-A	Client ID:	
Inject. Date:	17-Feb-2012 15:11:44	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	#: Name: MB 480-51945/1-A		
Misc. Info.:	Study: 480-0009588-024 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	24
Detector:	Ch-A-PE09245		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.819	6.821	-0.002	46504360	50.7	
1 2,2'-Oxybisethanol					
7.175	7.171	0.004	504622	0.9330	
4 Triethylene Glycol					
8.824	8.825	-0.001	1170195	3.33	

Report Date: 18-Feb-2012 08:45:02 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09245.d
Injection Date: 17-Feb-2012 15:11:44 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 24
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-51945/2-A

Matrix: Water | Lab File ID: PE09246.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 15:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	19.0		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	100		66-130

FORM I 8015B

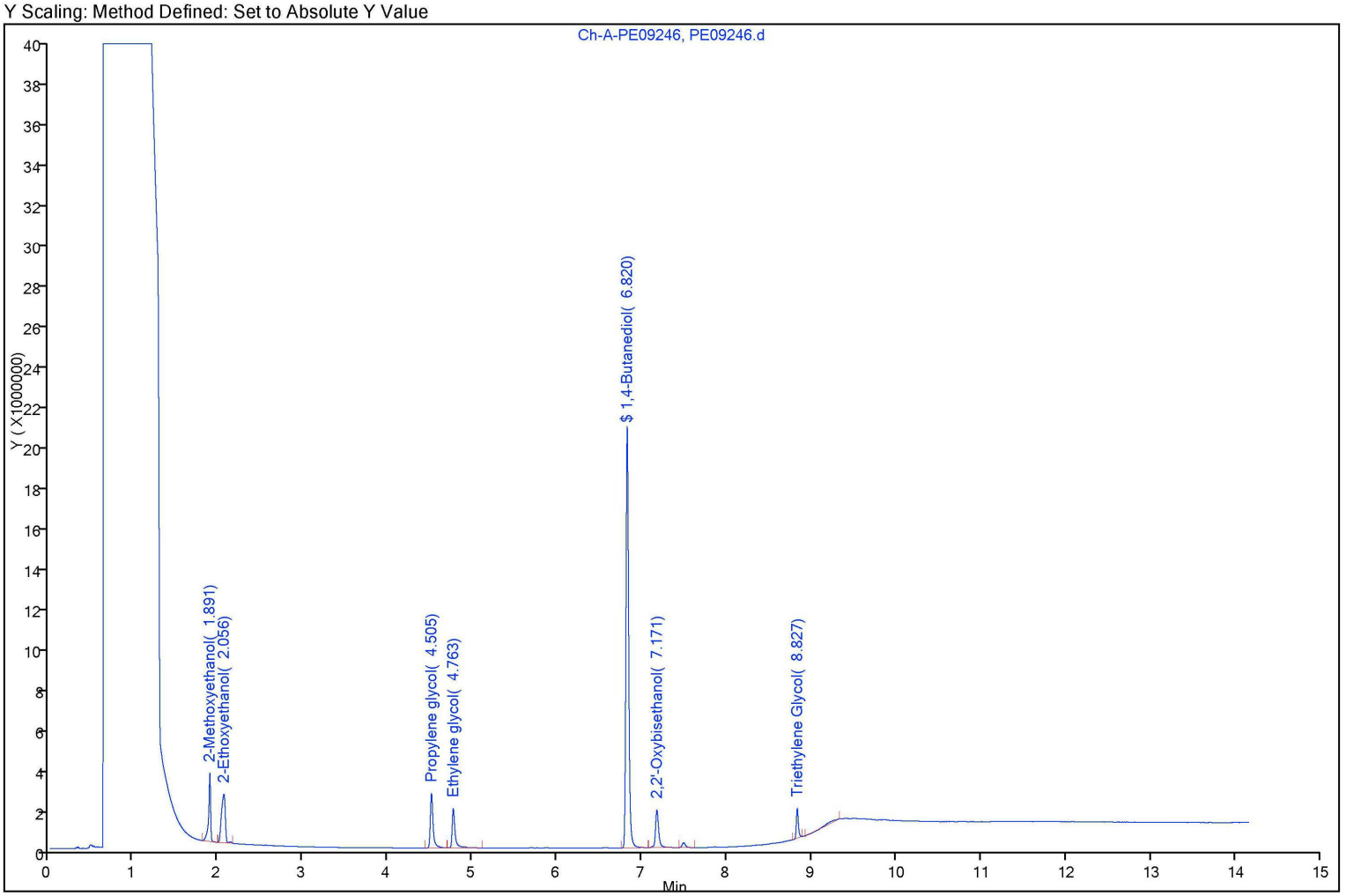
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09246.d		
Lims ID:	LCS 480-51945/2-A	Client ID:	
Inject. Date:	17-Feb-2012 15:29:01	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	#: Name: LCS 480-51945/2-A		
Misc. Info.:	Study: 480-0009588-025 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	25
Detector:	Ch-A-PE09246		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:02	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.891	1.905	-0.014	5453056	9.54	
2 2-Ethoxyethanol					
2.056	2.065	-0.009	7413179	9.75	
5 Propylene glycol					
4.505	4.505	0.000	6028524	9.37	
8 Ethylene glycol					
4.763	4.761	0.002	4568682	9.51	
$ 7 1,4-Butanediol					
6.820	6.821	-0.001	45981013	50.1	
1 2,2'-Oxybisethanol					
7.171	7.171	0.000	4814321	8.90	
4 Triethylene Glycol					
8.827	8.825	0.002	2410874	6.87	

Report Date: 18-Feb-2012 08:45:03 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09246.d
Injection Date: 17-Feb-2012 15:29:01 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 25
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW57 MS | Lab Sample ID: 480-16217-10 MS

Matrix: Water | Lab File ID: PE09258.d

Analysis Method: 8015B | Date Collected: 02/14/2012 10:07

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 18:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	20.2		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	105		66-130

FORM I 8015B

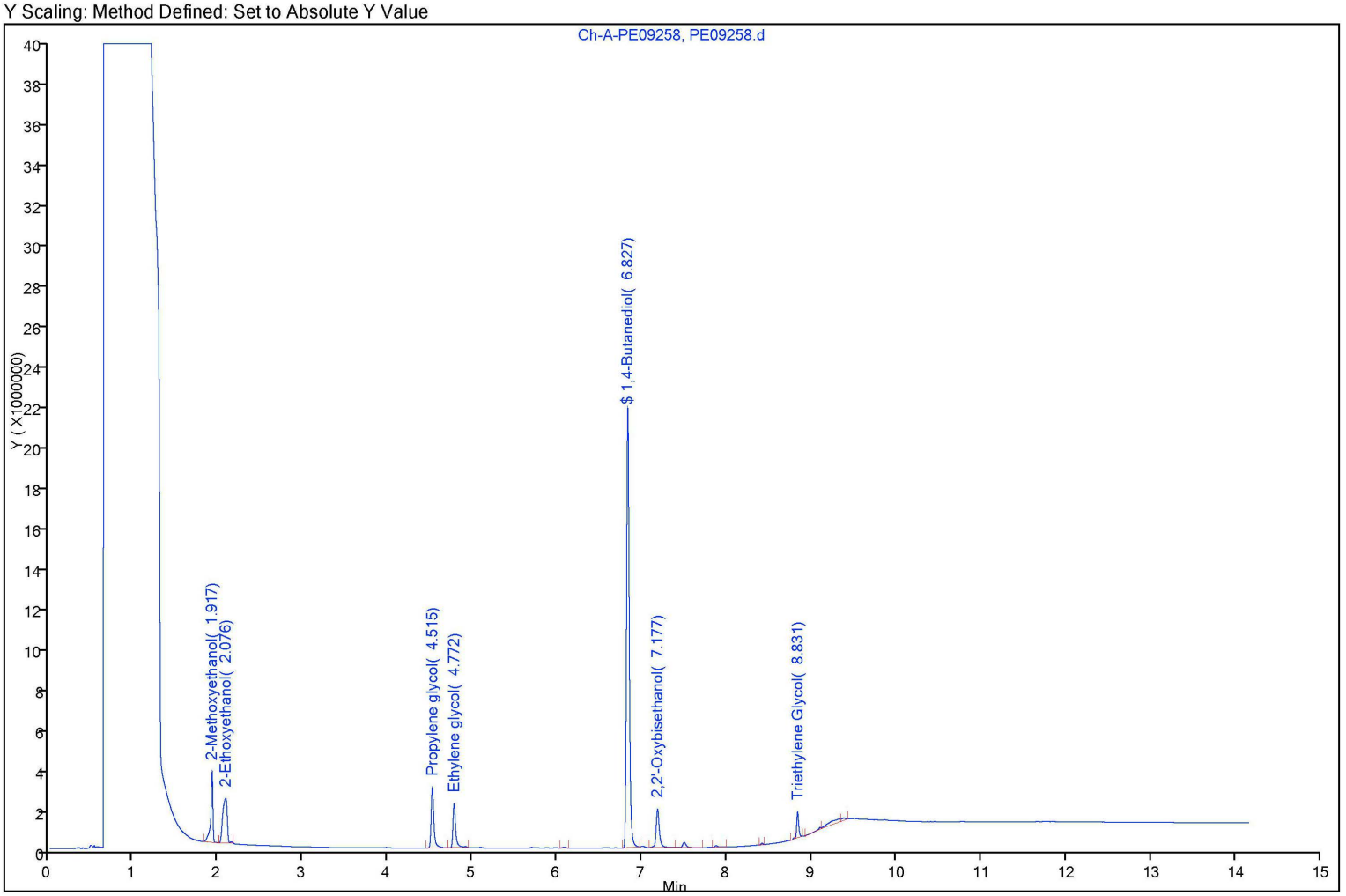
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09258.d		
Lims ID:	480-16217-A-10-A MS	Client ID:	HW57
Inject. Date:	17-Feb-2012 18:56:32	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	#: Name: 480-16217-A-10-A MS		
Misc. Info.:	Study: 480-0009588-037 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	37
Detector:	Ch-A-PE09258		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.917	1.931	-0.014	5992146	10.5	
2 2-Ethoxyethanol					
2.076	2.077	-0.001	8024562	10.6	
5 Propylene glycol					
4.515	4.515	0.000	6593313	10.3	
8 Ethylene glycol					
4.772	4.769	0.003	4856735	10.1	
$ 7 1,4-Butanediol					
6.827	6.825	0.002	47966067	52.3	
1 2,2'-Oxybisethanol					
7.177	7.175	0.002	4977305	9.20	
4 Triethylene Glycol					
8.831	8.829	0.002	2048941	5.84	

Report Date: 18-Feb-2012 08:45:07 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09258.d
Injection Date: 17-Feb-2012 18:56:32 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW57 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 37
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-16217-1

SDG No.:

Client Sample ID: HW57 MSD | Lab Sample ID: 480-16217-10 MSD

Matrix: Water | Lab File ID: PE09259.d

Analysis Method: 8015B | Date Collected: 02/14/2012 10:07

Sample wt/vol: 0.5(mL) | Date Analyzed: 02/17/2012 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-5 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 51962 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-21-1	Ethylene glycol	20.2		10	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
110-63-4	1,4-Butanediol	106		66-130

FORM I 8015B

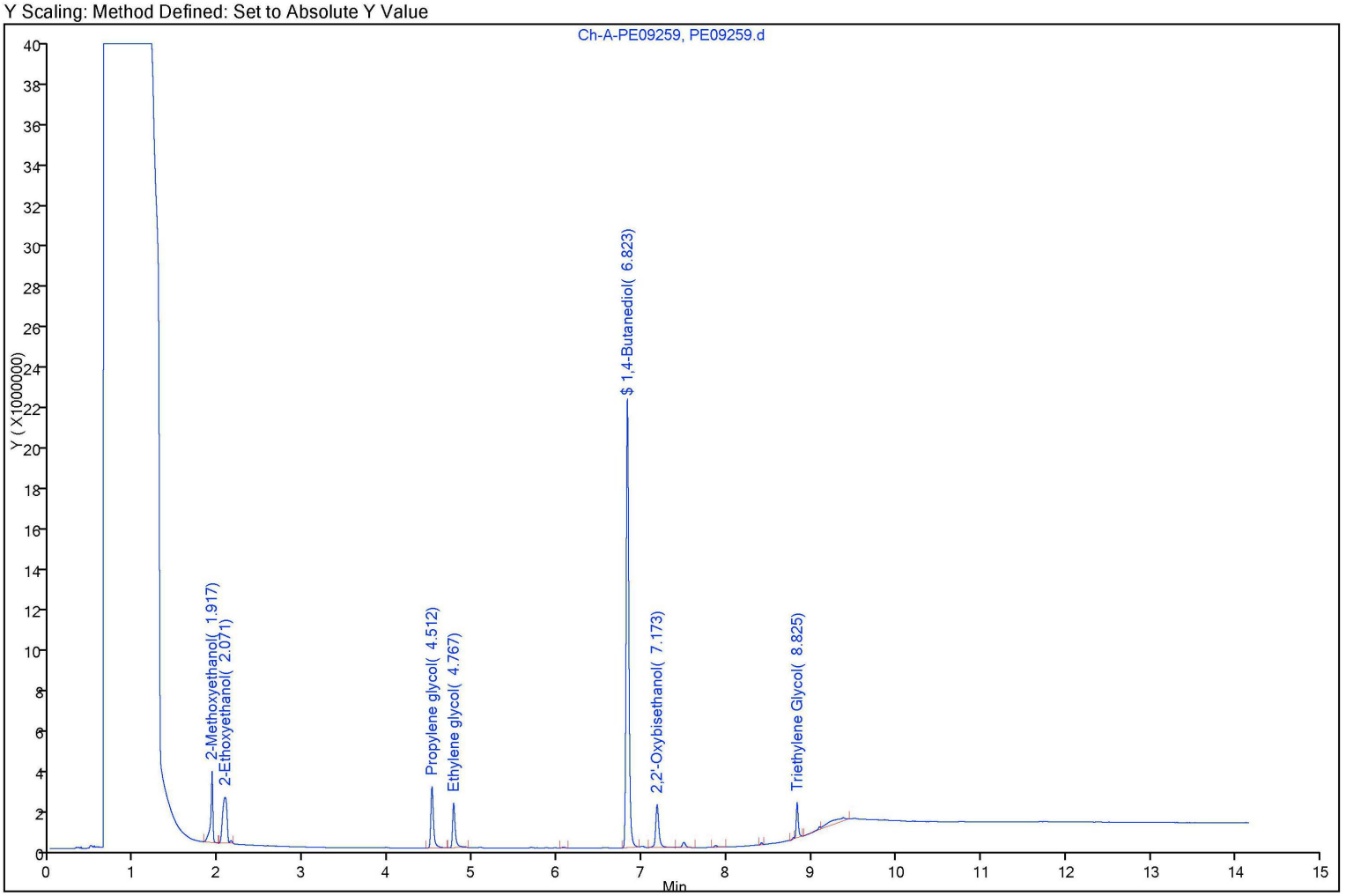
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09259.d		
Lims ID:	480-16217-A-10-B MSD	Client ID:	HW57
Inject. Date:	17-Feb-2012 19:13:50	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	#: Name: 480-16217-A-10-B MSD		
Misc. Info.:	Study: 480-0009588-038 Channel A: I/F Serial#, 665S10020401		
Operator:	tchrom	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	38
Detector:	Ch-A-PE09259		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	18-Feb-2012 08:45:06	Calib Date:	01-Feb-2012 12:06:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\PE-01\20120201-9213.b\PE08208.d		
Limit Group:	GC 8015D DAI_GLY ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.917	1.931	-0.014	6052605	10.6	
2 2-Ethoxyethanol					
2.071	2.077	-0.006	8215687	10.8	
5 Propylene glycol					
4.512	4.515	-0.003	6614555	10.3	
8 Ethylene glycol					
4.767	4.769	-0.002	4869708	10.1	
$ 7 1,4-Butanediol					
6.823	6.825	-0.002	48459918	52.8	
1 2,2'-Oxybisethanol					
7.173	7.175	-0.002	5519792	10.2	
4 Triethylene Glycol					
8.825	8.829	-0.004	2841165	8.10	

Report Date: 18-Feb-2012 08:45:08 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09259.d
Injection Date: 17-Feb-2012 19:13:50 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW57 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 38
Operator ID: tchrom Injection Vol: 1.00 ul
Y Scaling: Method Defined: Set to Absolute Y Value



GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Instrument ID: PE-01 Start Date: 02/01/2012 10:57

Analysis Batch Number: 49964 End Date: 02/01/2012 19:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/01/2012 10:57	1		ZB-5 0.25(mm)
STD 480-49964/5 IC		02/01/2012 11:15	1	PE08205.d	ZB-5 0.25(mm)
STD 480-49964/6 IC		02/01/2012 11:32	1	PE08206.d	ZB-5 0.25(mm)
STD 480-49964/7 IC		02/01/2012 11:49	1	PE08207.d	ZB-5 0.25(mm)
STD 480-49964/8 IC		02/01/2012 12:06	1	PE08208.d	ZB-5 0.25(mm)
ICV 480-49964/9		02/01/2012 12:24	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 13:43	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 14:11	1		ZB-5 0.25(mm)
ICV 480-49964/12		02/01/2012 14:48	1		ZB-5 0.25(mm)
CCV 480-49964/13		02/01/2012 15:52	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 16:09	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 16:26	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 16:44	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 17:01	1		ZB-5 0.25(mm)
MDLV 480-49832/5-A		02/01/2012 17:18	1		ZB-5 0.25(mm)
MDLV 480-49832/6-A		02/01/2012 17:36	1		ZB-5 0.25(mm)
ZZZZZ		02/01/2012 17:53	50		ZB-5 0.25(mm)
		02/01/2012 18:10	1		ZB-5 0.25(mm)
CCV 480-49964/24		02/01/2012 19:02	1		ZB-5 0.25(mm)

8015B

GC VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Instrument ID: PE-01 Start Date: 02/17/2012 08:17

Analysis Batch Number: 51962 End Date: 02/17/2012 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-51962/3		02/17/2012 08:17	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 08:57	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 09:14	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 09:59	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 10:17	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 10:34	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 10:51	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 11:09	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 11:26	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 11:43	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 12:01	1		ZB-5 0.25(mm)
CCV 480-51962/14		02/17/2012 12:18	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 12:35	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 12:53	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 13:10	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 13:27	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 13:45	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 14:02	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 14:19	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 14:37	1		ZB-5 0.25(mm)
CCV 480-51962/23		02/17/2012 14:54	1	PE09244.d	ZB-5 0.25(mm)
MB 480-51945/1-A		02/17/2012 15:11	1	PE09245.d	ZB-5 0.25(mm)
LCS 480-51945/2-A		02/17/2012 15:29	1	PE09246.d	ZB-5 0.25(mm)
480-16217-1	FB17	02/17/2012 15:46	1	PE09247.d	ZB-5 0.25(mm)
480-16217-2	FB18	02/17/2012 16:03	1	PE09248.d	ZB-5 0.25(mm)
480-16217-3	HW03	02/17/2012 16:20	1	PE09249.d	ZB-5 0.25(mm)
480-16217-4	HW03Z	02/17/2012 16:38	1	PE09250.d	ZB-5 0.25(mm)
480-16217-5	HW07	02/17/2012 16:55	1	PE09251.d	ZB-5 0.25(mm)
480-16217-6	HW11	02/17/2012 17:12	1	PE09252.d	ZB-5 0.25(mm)
480-16217-7	HW11-P	02/17/2012 17:30	1	PE09253.d	ZB-5 0.25(mm)
480-16217-8	HW53	02/17/2012 17:47	1	PE09254.d	ZB-5 0.25(mm)
CCV 480-51962/34		02/17/2012 18:04	1	PE09255.d	ZB-5 0.25(mm)
480-16217-9	HW53-P	02/17/2012 18:21	1	PE09256.d	ZB-5 0.25(mm)
480-16217-10	HW57	02/17/2012 18:39	1	PE09257.d	ZB-5 0.25(mm)
480-16217-10 MS	HW57 MS	02/17/2012 18:56	1	PE09258.d	ZB-5 0.25(mm)
480-16217-10 MSD	HW57 MSD	02/17/2012 19:13	1	PE09259.d	ZB-5 0.25(mm)
480-16217-11	HW57-P	02/17/2012 19:31	1	PE09260.d	ZB-5 0.25(mm)
480-16217-12	HW58	02/17/2012 19:48	1	PE09261.d	ZB-5 0.25(mm)
480-16217-13	HW59	02/17/2012 20:05	1	PE09262.d	ZB-5 0.25(mm)
CCV 480-51962/42		02/17/2012 20:23	1	PE09263.d	ZB-5 0.25(mm)

8015B

GC VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-16217-1

SDG No.:

Batch Number: 51945 Batch Start Date: 02/17/12 06:57 Batch Analyst: Neary, Mary Ann

Batch Method: 8015 Prep Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	GLY_CCV_1000 00014	GLY_SURR1000 00016		
MB 480-51945/1		8015 Prep, 8015B		0.5 mL	1 mL		50 uL		
LCS 480-51945/2		8015 Prep, 8015B		0.5 mL	1 mL	10 uL	50 uL		
480-16217-B-1	FB17	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-2	FB18	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-A-3	HW03	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-4	HW03Z	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-5	HW07	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-6	HW11	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-7	HW11-P	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-8	HW53	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-9	HW53-P	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-10	HW57	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-A-10 MS	HW57	8015 Prep, 8015B	T	0.5 mL	1 mL	10 uL	50 uL		
480-16217-A-10 MSD	HW57	8015 Prep, 8015B	T	0.5 mL	1 mL	10 uL	50 uL		
480-16217-B-11	HW57-P	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-12	HW58	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		
480-16217-B-13	HW59	8015 Prep, 8015B	T	0.5 mL	1 mL		50 uL		

Batch Notes	
Methanol Lot Number	de997

Basis	Basis Description
T	Total/NA

8015B

Shipping and Receiving Documents

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/15/2012
CarrierName: FedEx
AirbillNo: 7980 6288 0337

CHAIN OF CUSTODY RECORD

Project Code: TL01-11-12-001

No: 3-021512-133332-0238

Lab: Test America DIM
Lab Contact:
Lab Phone: 716.504.9822

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB17	Aqueous/ Dan Jacobsen	Grab	EthyGlycol(7), EthyGlycol(7)	5487 (-NA- / 40mlGlassVial), 5488 (-NA- / 40mlGlassVial) (2)	FB17	02/14/2012 09:09	
FB18	Aqueous/ Joel Munson	Grab	EthyGlycol(7), EthyGlycol(7)	5794 (-NA- / 40mlGlassVial), 5795 (-NA- / 40mlGlassVial) (2)	FB18	02/15/2012 09:45	
HW03	Drinking Water/ David Johnson	Grab	EthyGlycol(7), EthyGlycol(7)	5685 (-NA- / 40mlGlassVial), 5686 (-NA- / 40mlGlassVial) (2)	HW03	02/14/2012 15:18	
HW03z	Drinking Water/ David Johnson	Grab	EthyGlycol(7), EthyGlycol(7)	5719 (-NA- / 40mlGlassVial), 5720 (-NA- / 40mlGlassVial) (2)	HW03	02/14/2012 15:19	
HW07	Drinking Water/ David Johnson	Grab	EthyGlycol(7), EthyGlycol(7)	5760 (-NA- / 40mlGlassVial), 5761 (-NA- / 40mlGlassVial) (2)	HW07	02/15/2012 11:36	
HW11	Drinking Water/ Bryan Berna	Grab	EthyGlycol(7), EthyGlycol(7)	5386 (-NA- / 40mlGlassVial), 5387 (-NA- / 40mlGlassVial) (2)	HW11	02/13/2012 15:05	
HW11-P	Drinking Water/ Dan Jacobsen	Grab	EthyGlycol(7), EthyGlycol(7)	5438 (-NA- / 40mlGlassVial), 5439 (-NA- / 40mlGlassVial) (2)	HW11-P	02/13/2012 15:22	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: EthyGlycol=17-Ethylene Glycol

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
14	[illegible]	02/15/12	[illegible]	2-16-12	[illegible]						

4a1 #1

DIM0273514

DIM0273635

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/15/2012
CarrierName: FedEx
AirbillNo: 7980 6288 0337

CHAIN OF CUSTODY RECORD

Project Code: TL01-11-12-001

No: 3-021512-133332-0238

Lab: Test America DIM
Lab Contact:
Lab Phone: 716.504.9822

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW53	Drinking Water/ David Johnson	Grab	EthyGlycol(7), EthyGlycol(7)	5353 (-NA- / 40mlGlassVial), 5354 (-NA- / 40mlGlassVial) (2)	HW53	02/13/2012 14:57	
HW53-P	Drinking Water/ Christina Dellaria	Grab	EthyGlycol(7), EthyGlycol(7)	5413 (-NA- / 40mlGlassVial), 5414 (-NA- / 40mlGlassVial) (2)	HW53-P	02/13/2012 15:17	
HW57	Drinking Water/ Bryan Berna	Grab	EthyGlycol(7), EthyGlycol(7), EthyGlycol(7), EthyGlycol(7)	5521 (-NA- / 40mlGlassVial), 5522 (-NA- / 40mlGlassVial), 5536 (-NA- / 40mlGlassVial), 5537 (-NA- / 40mlGlassVial) (4)	HW57	02/14/2012 10:07	
HW57-P	Drinking Water/ Dan Jacobsen	Grab	EthyGlycol(7), EthyGlycol(7)	5569 (-NA- / 40mlGlassVial), 5570 (-NA- / 40mlGlassVial) (2)	HW57-P	02/14/2012 10:31	
HW58	Drinking Water/ Bryan Berna	Grab	EthyGlycol(7), EthyGlycol(7)	5651 (-NA- / 40mlGlassVial), 5652 (-NA- / 40mlGlassVial) (2)	HW58	02/14/2012 14:47	
HW59	Drinking Water/ David Johnson	Grab	EthyGlycol(7), EthyGlycol(7)	5603 (-NA- / 40mlGlassVial), 5604 (-NA- / 40mlGlassVial) (2)	HW59	02/14/2012 10:33	

Sample(s) to be used for Lab QC: HW57

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: EthyGlycol=17-Ethylene Glycol

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
14	N. Macaulay	02/15/12	[illegible]	2-16-12	1000						

4.1 #1

DIM0273514

DIM0273636

Login Sample Receipt Checklist

Client: Techlaw, Inc

Job Number: 480-16217-1

Login Number: 16217
List Number: 1
Creator: Janish, Carl

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	