TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-16102-1

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

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

Attention: Mr. [redacted]

[redacted]

Approved for release.
[redacted]
Project Administrator
3/5/2012 11:35 AM

Designee for
[redacted]
Project Manager II
[redacted]
03/05/2012

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ACCREDITED IN ACCORDANCE WITH nelac

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Job Narrative
480-16102-1

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

GC VOA
No analytical or quality issues were noted.

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16102-1

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	[redacted]	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	[redacted]	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	[redacted]	02/01/12 13:27
2-Ethoxyethanol	2.07	Peak Tail	[redacted]	02/01/12 13:27

8015B

SAMPLE SUMMARY

Client: Techlaw, Inc

Job Number: 480-16102-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-16102-1	FB15	Water	02/10/2012 1121	02/14/2012 1015
480-16102-2	FB16	Water	02/13/2012 0906	02/14/2012 1015
480-16102-3	HW16	Water	02/10/2012 1121	02/14/2012 1015
480-16102-4	HW16-P	Water	02/10/2012 1137	02/14/2012 1015
480-16102-5	HW16z	Water	02/10/2012 1122	02/14/2012 1015
480-16102-6	HW27	Water	02/13/2012 1037	02/14/2012 1015
480-16102-7	HW27z	Water	02/13/2012 1038	02/14/2012 1015
480-16102-8	HW36n	Water	02/10/2012 1053	02/14/2012 1015
480-16102-9	HW36n-P	Water	02/10/2012 1102	02/14/2012 1015
480-16102-10	HW54	Water	02/10/2012 1408	02/14/2012 1015
480-16102-11	HW54-P	Water	02/10/2012 1430	02/14/2012 1015
480-16102-12	HW55	Water	02/13/2012 1021	02/14/2012 1015
480-16102-12MS	HW55	Water	02/13/2012 1021	02/14/2012 1015
480-16102-12MSD	HW55	Water	02/13/2012 1021	02/14/2012 1015

EXECUTIVE SUMMARY - Detections

Client: Techlaw, Inc

Job Number: 480-16102-1

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

No Detections

METHOD SUMMARY

Client: Techlaw, Inc

Job Number: 480-16102-1

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: 480-16102-1

Method	Analyst	Analyst ID
SW846 8015B	[redacted]	MN

Client: Techlaw, Inc

Job Number: 480-16102-1

Client Sample ID: **FB15**

Lab Sample ID: 480-16102-1

Client Matrix: Water

Date Sampled: 02/10/2012 1121

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1034			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **FB16**

Lab Sample ID: 480-16102-2

Client Matrix: Water

Date Sampled: 02/13/2012 0906

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1051			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW16**

Lab Sample ID: 480-16102-3

Client Matrix: Water

Date Sampled: 02/10/2012 1121

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1109			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW16-P**

Lab Sample ID: 480-16102-4

Client Matrix: Water

Date Sampled: 02/10/2012 1137

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1126			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW16z**

Lab Sample ID: 480-16102-5

Client Matrix: Water

Date Sampled: 02/10/2012 1122

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1143			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW27**

Lab Sample ID: 480-16102-6

Client Matrix: Water

Date Sampled: 02/13/2012 1037

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1201			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW27z**

Lab Sample ID: 480-16102-7

Client Matrix: Water

Date Sampled: 02/13/2012 1038

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1235			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	114		66 - 130

Client: Techlaw, Inc

Job Number: 480-16102-1

Client Sample ID: **HW36n**

Lab Sample ID: 480-16102-8

Client Matrix: Water

Date Sampled: 02/10/2012 1053

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1253			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW36n-P**

Lab Sample ID: 480-16102-9

Client Matrix: Water

Date Sampled: 02/10/2012 1102

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1310			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW54**

Lab Sample ID: 480-16102-10

Client Matrix: Water

Date Sampled: 02/10/2012 1408

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1327			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW54-P**

Lab Sample ID: 480-16102-11

Client Matrix: Water

Date Sampled: 02/10/2012 1430

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1345			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Client Sample ID: **HW55**

Lab Sample ID: 480-16102-12

Client Matrix: Water

Date Sampled: 02/13/2012 1021

Date Received: 02/14/2012 1015

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-51962	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-51944	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	02/17/2012 1402			Injection Volume:	1 uL
Prep Date:	02/17/2012 0650			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: 480-16102-1

Surrogate Recovery Report

8015B Glycols -Direct Injection (GC/FID)

Client Matrix: Water

Lab Sample ID	Client Sample ID	14BD1 %Rec
480-16102-1	FB15	106
480-16102-2	FB16	107
480-16102-3	HW16	105
480-16102-4	HW16-P	106
480-16102-5	HW16z	107
480-16102-6	HW27	106
480-16102-7	HW27z	114
480-16102-8	HW36n	106
480-16102-9	HW36n-P	105
480-16102-10	HW54	106
480-16102-11	HW54-P	107
480-16102-12	HW55	103
MB 480-51944/1-A		100
LCS 480-51944/2-A		101
480-16102-12 MS	HW55 MS	106
480-16102-12 MSD	HW55 MSD	105

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

Client: Techlaw, Inc

Job Number: 480-16102-1

Method Blank - Batch: 480-51944

Method: 8015B
Preparation: 8015 Prep

Lab Sample ID:	MB 480-51944/1-A	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51944	Lab File ID:	PE09225.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.5 mL
Analysis Date:	02/17/2012 0857	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0650			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	100	66 - 130

Lab Control Sample - Batch: 480-51944

Method: 8015B
Preparation: 8015 Prep

Lab Sample ID:	LCS 480-51944/2-A	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51944	Lab File ID:	PE09226.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.5 mL
Analysis Date:	02/17/2012 0914	Units:	mg/L	Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0650			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene glycol	20.0	19.2	96	62 - 148	

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

Client: Techlaw, Inc

Job Number: 480-16102-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-51944

Method: 8015B
Preparation: 8015 Prep

MS Lab Sample ID:	480-16102-12	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51944	Lab File ID:	PE09242.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.5 mL
Analysis Date:	02/17/2012 1419			Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0650			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-16102-12	Analysis Batch:	480-51962	Instrument ID:	PE-01
Client Matrix:	Water	Prep Batch:	480-51944	Lab File ID:	PE09243.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.5 mL
Analysis Date:	02/17/2012 1437			Final Weight/Volume:	1 mL
Prep Date:	02/17/2012 0650			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ethylene glycol	96	101	50 - 150	5	50		

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

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-51944

Method: 8015B
Preparation: 8015 Prep

MS Lab Sample ID:	480-16102-12	Units:	mg/L	MSD Lab Sample ID:	480-16102-12
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	02/17/2012 1419			Analysis Date:	02/17/2012 1437
Prep Date:	02/17/2012 0650			Prep Date:	02/17/2012 0650
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	19.3	20.2

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: Techlaw, Inc

Job Number: 480-16102-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 480-51944					
LCS 480-51944/2-A	Lab Control Sample	T	Water	8015 Prep	
MB 480-51944/1-A	Method Blank	T	Water	8015 Prep	
480-16102-1	FB15	T	Water	8015 Prep	
480-16102-2	FB16	T	Water	8015 Prep	
480-16102-3	HW16	T	Water	8015 Prep	
480-16102-4	HW16-P	T	Water	8015 Prep	
480-16102-5	HW16z	T	Water	8015 Prep	
480-16102-6	HW27	T	Water	8015 Prep	
480-16102-7	HW27z	T	Water	8015 Prep	
480-16102-8	HW36n	T	Water	8015 Prep	
480-16102-9	HW36n-P	T	Water	8015 Prep	
480-16102-10	HW54	T	Water	8015 Prep	
480-16102-11	HW54-P	T	Water	8015 Prep	
480-16102-12	HW55	T	Water	8015 Prep	
480-16102-12MS	Matrix Spike	T	Water	8015 Prep	
480-16102-12MSD	Matrix Spike Duplicate	T	Water	8015 Prep	
Analysis Batch:480-51962					
LCS 480-51944/2-A	Lab Control Sample	T	Water	8015B	480-51944
MB 480-51944/1-A	Method Blank	T	Water	8015B	480-51944
480-16102-1	FB15	T	Water	8015B	480-51944
480-16102-2	FB16	T	Water	8015B	480-51944
480-16102-3	HW16	T	Water	8015B	480-51944
480-16102-4	HW16-P	T	Water	8015B	480-51944
480-16102-5	HW16z	T	Water	8015B	480-51944
480-16102-6	HW27	T	Water	8015B	480-51944
480-16102-7	HW27z	T	Water	8015B	480-51944
480-16102-8	HW36n	T	Water	8015B	480-51944
480-16102-9	HW36n-P	T	Water	8015B	480-51944
480-16102-10	HW54	T	Water	8015B	480-51944
480-16102-11	HW54-P	T	Water	8015B	480-51944
480-16102-12	HW55	T	Water	8015B	480-51944
480-16102-12MS	Matrix Spike	T	Water	8015B	480-51944
480-16102-12MSD	Matrix Spike Duplicate	T	Water	8015B	480-51944

Report Basis

T = Total

Client: Techlaw, Inc

Job Number: 480-16102-1

Laboratory Chronicle

Lab ID: 480-16102-1 **Client ID:** FB15

Sample Date/Time: 02/10/2012 11:21 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-B-1-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-B-1-A		480-51962	480-51944	02/17/2012 10:34	1	TAL BUF	MN

Lab ID: 480-16102-2 **Client ID:** FB16

Sample Date/Time: 02/13/2012 09:06 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-2-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-2-A		480-51962	480-51944	02/17/2012 10:51	1	TAL BUF	MN

Lab ID: 480-16102-3 **Client ID:** HW16

Sample Date/Time: 02/10/2012 11:21 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-3-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-3-A		480-51962	480-51944	02/17/2012 11:09	1	TAL BUF	MN

Lab ID: 480-16102-4 **Client ID:** HW16-P

Sample Date/Time: 02/10/2012 11:37 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-B-4-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-B-4-A		480-51962	480-51944	02/17/2012 11:26	1	TAL BUF	MN

Lab ID: 480-16102-5 **Client ID:** HW16z

Sample Date/Time: 02/10/2012 11:22 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-5-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-5-A		480-51962	480-51944	02/17/2012 11:43	1	TAL BUF	MN

Lab ID: 480-16102-6 **Client ID:** HW27

Sample Date/Time: 02/13/2012 10:37 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-B-6-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-B-6-A		480-51962	480-51944	02/17/2012 12:01	1	TAL BUF	MN

Client: Techlaw, Inc

Job Number: 480-16102-1

Laboratory Chronicle

Lab ID: 480-16102-7 **Client ID:** HW27z

Sample Date/Time: 02/13/2012 10:38 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-B-7-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-B-7-A		480-51962	480-51944	02/17/2012 12:35	1	TAL BUF	MN

Lab ID: 480-16102-8 **Client ID:** HW36n

Sample Date/Time: 02/10/2012 10:53 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-8-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-8-A		480-51962	480-51944	02/17/2012 12:53	1	TAL BUF	MN

Lab ID: 480-16102-9 **Client ID:** HW36n-P

Sample Date/Time: 02/10/2012 11:02 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-B-9-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-B-9-A		480-51962	480-51944	02/17/2012 13:10	1	TAL BUF	MN

Lab ID: 480-16102-10 **Client ID:** HW54

Sample Date/Time: 02/10/2012 14:08 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-B-10-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-B-10-A		480-51962	480-51944	02/17/2012 13:27	1	TAL BUF	MN

Lab ID: 480-16102-11 **Client ID:** HW54-P

Sample Date/Time: 02/10/2012 14:30 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-11-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-11-A		480-51962	480-51944	02/17/2012 13:45	1	TAL BUF	MN

Lab ID: 480-16102-12 **Client ID:** HW55

Sample Date/Time: 02/13/2012 10:21 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-12-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-12-A		480-51962	480-51944	02/17/2012 14:02	1	TAL BUF	MN

Client: Techlaw, Inc

Job Number: 480-16102-1

Laboratory Chronicle

Lab ID: **480-16102-12** **Client ID:** **HW55**

Sample Date/Time: 02/13/2012 10:21 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-12-B MS		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-12-B MS		480-51962	480-51944	02/17/2012 14:19	1	TAL BUF	MN

Lab ID: **480-16102-12** **Client ID:** **HW55**

Sample Date/Time: 02/13/2012 10:21 Received Date/Time: 02/14/2012 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8015 Prep	480-16102-A-12-C MSD		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	480-16102-A-12-C MSD		480-51962	480-51944	02/17/2012 14:37	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 480-51944/1-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	MB 480-51944/1-A		480-51962	480-51944	02/17/2012 08:57	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 480-51944/2-A		480-51962	480-51944	02/17/2012 06:50	1	TAL BUF	MN
A:8015B	LCS 480-51944/2-A		480-51962	480-51944	02/17/2012 09:14	1	TAL BUF	MN

Lab References:

TAL BUF = TestAmerica Buffalo

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16102-1

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: 480-16102-1

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.: 480-16102-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	14BD1 #
FB15	480-16102-1	106
FB16	480-16102-2	107
HW16	480-16102-3	105
HW16-P	480-16102-4	106
HW16z	480-16102-5	107
HW27	480-16102-6	106
HW27z	480-16102-7	114
HW36n	480-16102-8	106
HW36n-P	480-16102-9	105
HW54	480-16102-10	106
HW54-P	480-16102-11	107
HW55	480-16102-12	103
	MB 480-51944/1-A	100
	LCS 480-51944/2-A	101
HW55 MS	480-16102-12 MS	106
HW55 MSD	480-16102-12 MSD	105

	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.: 480-16102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PE09226.d

Lab ID: LCS 480-51944/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Ethylene glycol	20.0	19.2	96	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.: 480-16102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PE09242.d

Lab ID: 480-16102-12 MS Client ID: HW55 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Ethylene glycol	20.0	ND	19.3	96	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.: 480-16102-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PE09243.d

Lab ID: 480-16102-12 MSD Client ID: HW55 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	5	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.: 480-16102-1

SDG No.:

Lab Sample ID: MB 480-51944/1-A

Matrix: Water Date Extracted: 02/17/2012 06:50

Lab File ID:(1) PE09225.d Lab File ID:(2)

Date Analyzed:(1) 02/17/2012 08:57 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 480-51944/2-A	02/17/2012 09:14	
FB15	480-16102-1	02/17/2012 10:34	
FB16	480-16102-2	02/17/2012 10:51	
HW16	480-16102-3	02/17/2012 11:09	
HW16-P	480-16102-4	02/17/2012 11:26	
HW16z	480-16102-5	02/17/2012 11:43	
HW27	480-16102-6	02/17/2012 12:01	
HW27z	480-16102-7	02/17/2012 12:35	
HW36n	480-16102-8	02/17/2012 12:53	
HW36n-P	480-16102-9	02/17/2012 13:10	
HW54	480-16102-10	02/17/2012 13:27	
HW54-P	480-16102-11	02/17/2012 13:45	
HW55	480-16102-12	02/17/2012 14:02	
HW55 MS	480-16102-12 MS	02/17/2012 14:19	
HW55 MSD	480-16102-12 MSD	02/17/2012 14:37	

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo
Job No.: 480-16102-1
SDG No.:
Client Sample ID: FB15
Lab Sample ID: 480-16102-1
Matrix: Water
Lab File ID: PE09229.d
Analysis Method: 8015B
Date Collected: 02/10/2012 11:21
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 10:34
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

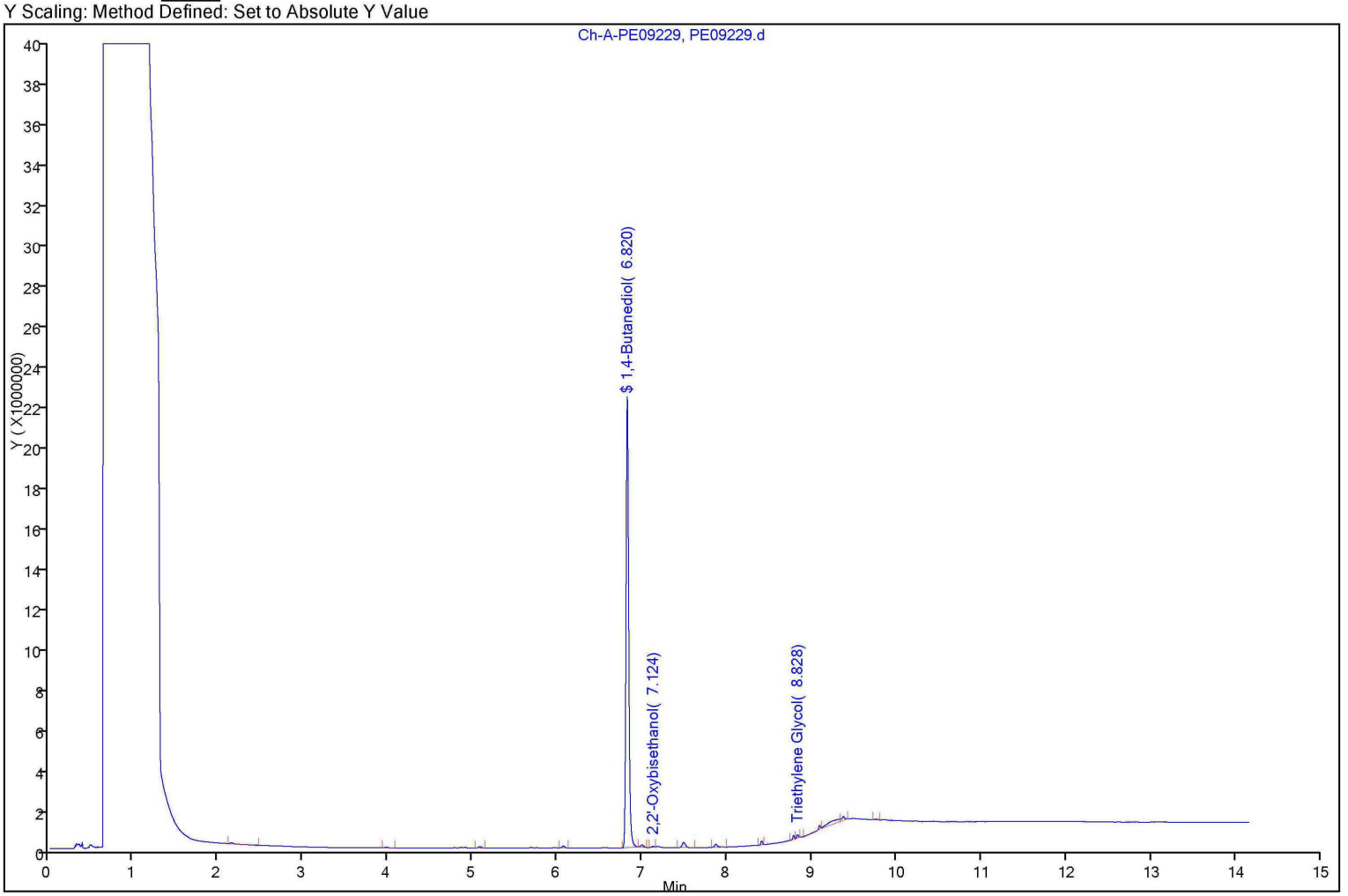
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09229.d		
Lims ID:	480-16102-B-1-A	Client ID:	FB15
Inject. Date:	17-Feb-2012 10:34:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-B-1-A		
Misc. Info.:	Study: 480-0009588-008 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	8
Detector:	Ch-A-PE09229		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:05:46

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.820	6.824	-0.004	48695984	53.1	
1 2,2'-Oxybisethanol					
7.124	7.173	-0.049	80472	0.1488	
4 Triethylene Glycol					
8.828	8.828	0.000	245351	0.6991	

Report Date: 17-Feb-2012 13:05:46 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09229.d
Injection Date: 17-Feb-2012 10:34:35 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: FB15 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 8
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: FB16
Lab Sample ID: 480-16102-2
Matrix: Water
Lab File ID: PE09230.d
Analysis Method: 8015B
Date Collected: 02/13/2012 09:06
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 10:51
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

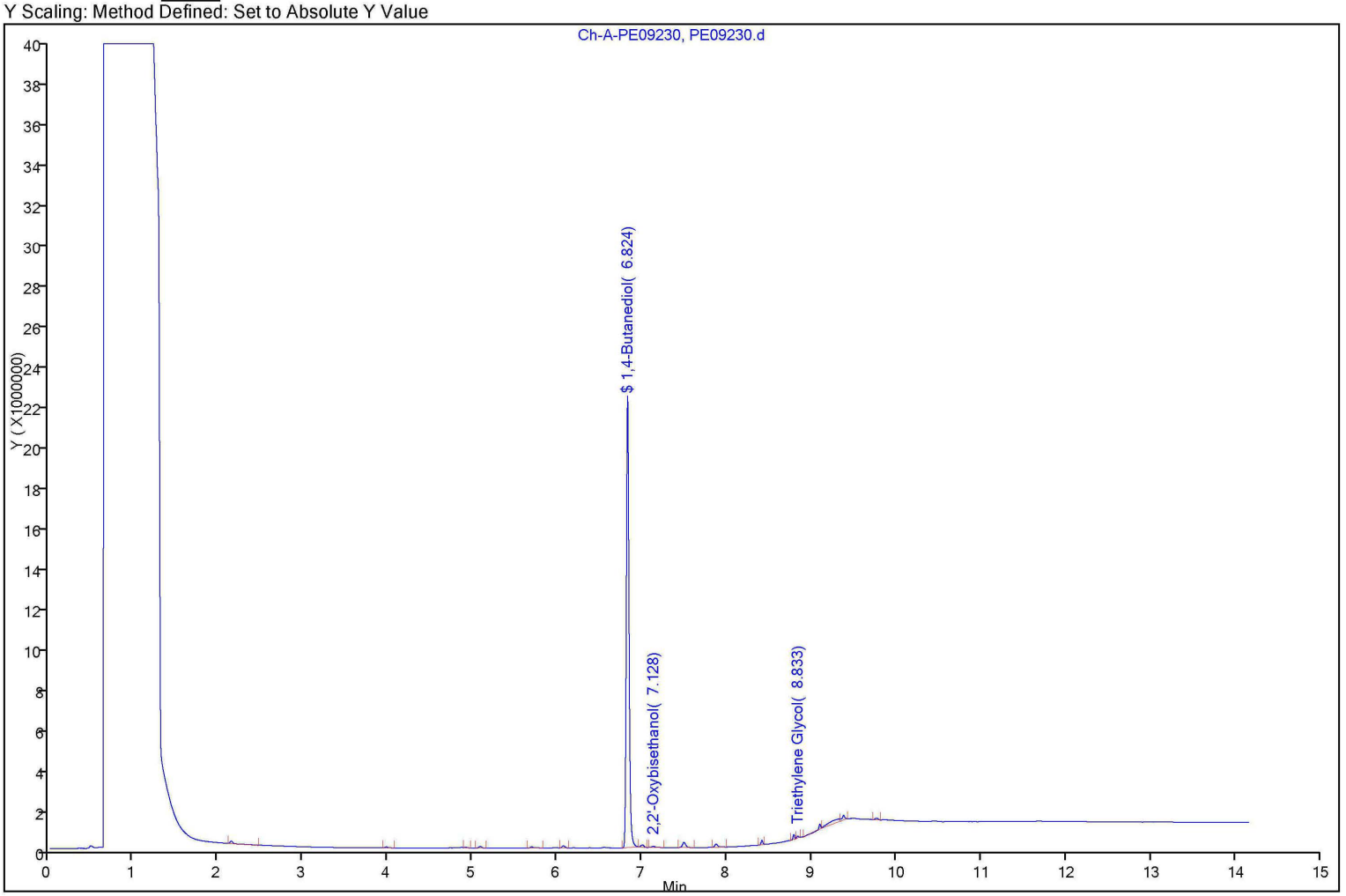
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09230.d		
Lims ID:	480-16102-A-2-A	Client ID:	FB16
Inject. Date:	17-Feb-2012 10:51:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-A-2-A		
Misc. Info.:	Study: 480-0009588-009 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	9
Detector:	Ch-A-PE09230		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:05:50

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.824	6.824	0.000	48874887	53.3	
1 2,2'-Oxybisethanol					
7.128	7.173	-0.045	186875	0.3455	
4 Triethylene Glycol					
8.833	8.828	0.005	140580	0.4006	

Report Date: 17-Feb-2012 13:05:50 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09230.d
Injection Date: 17-Feb-2012 10:51:55 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: FB16 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 9
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW16
Lab Sample ID: 480-16102-3
Matrix: Water
Lab File ID: PE09231.d
Analysis Method: 8015B
Date Collected: 02/10/2012 11:21
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 11:09
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

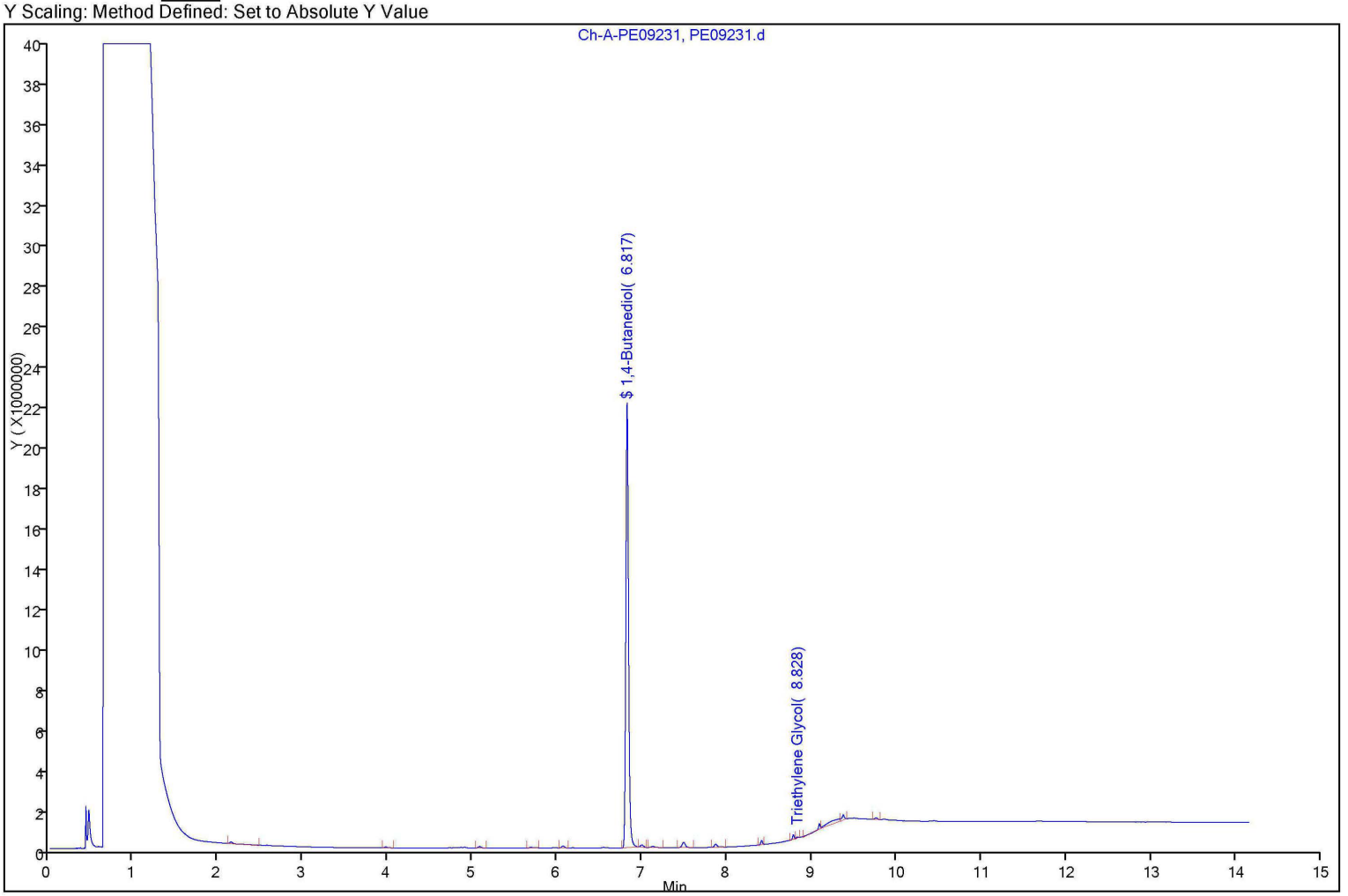
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09231.d		
Lims ID:	480-16102-A-3-A	Client ID:	HW16
Inject. Date:	17-Feb-2012 11:09:15	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-A-3-A		
Misc. Info.:	Study: 480-0009588-010 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	10
Detector:	Ch-A-PE09231		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:05:54

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.817	6.824	-0.007	48380678	52.7	
4 Triethylene Glycol					
8.828	8.828	0.000	71911	0.2049	

Report Date: 17-Feb-2012 13:05:54 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09231.d
Injection Date: 17-Feb-2012 11:09:15 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW16 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 10
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW16-P
Lab Sample ID: 480-16102-4
Matrix: Water
Lab File ID: PE09232.d
Analysis Method: 8015B
Date Collected: 02/10/2012 11:37
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 11:26
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

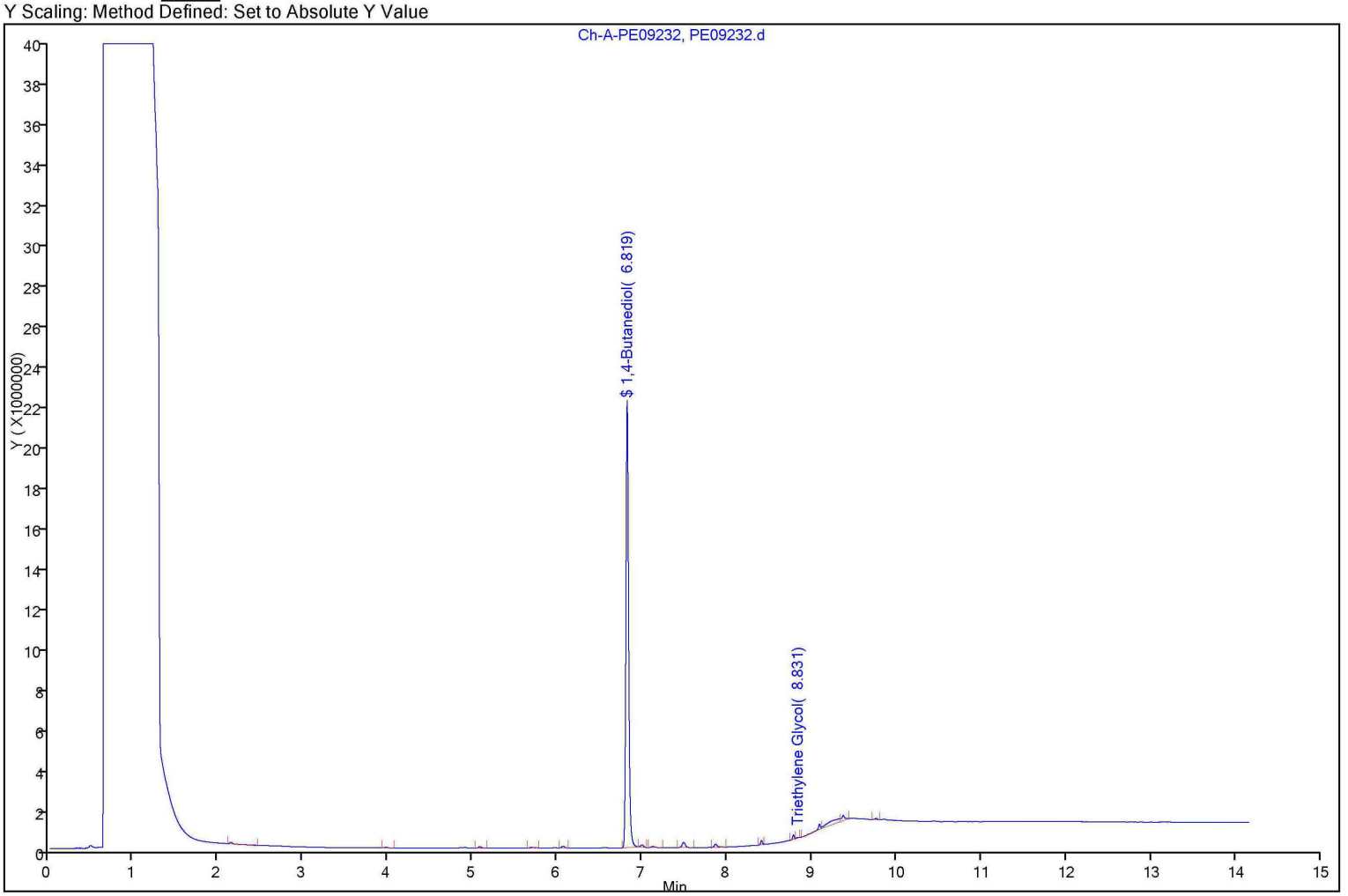
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09232.d		
Lims ID:	480-16102-B-4-A	Client ID:	HW16-P
Inject. Date:	17-Feb-2012 11:26:34	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-B-4-A		
Misc. Info.:	Study: 480-0009588-011 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	11
Detector:	Ch-A-PE09232		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:05:58

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.819	6.824	-0.005	48421152	52.8	
4 Triethylene Glycol					
8.831	8.828	0.003	52847	0.1506	

Report Date: 17-Feb-2012 13:05:58 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09232.d
Injection Date: 17-Feb-2012 11:26:34 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW16-P Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 11
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW16z
Lab Sample ID: 480-16102-5
Matrix: Water
Lab File ID: PE09233.d
Analysis Method: 8015B
Date Collected: 02/10/2012 11:22
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 11:43
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

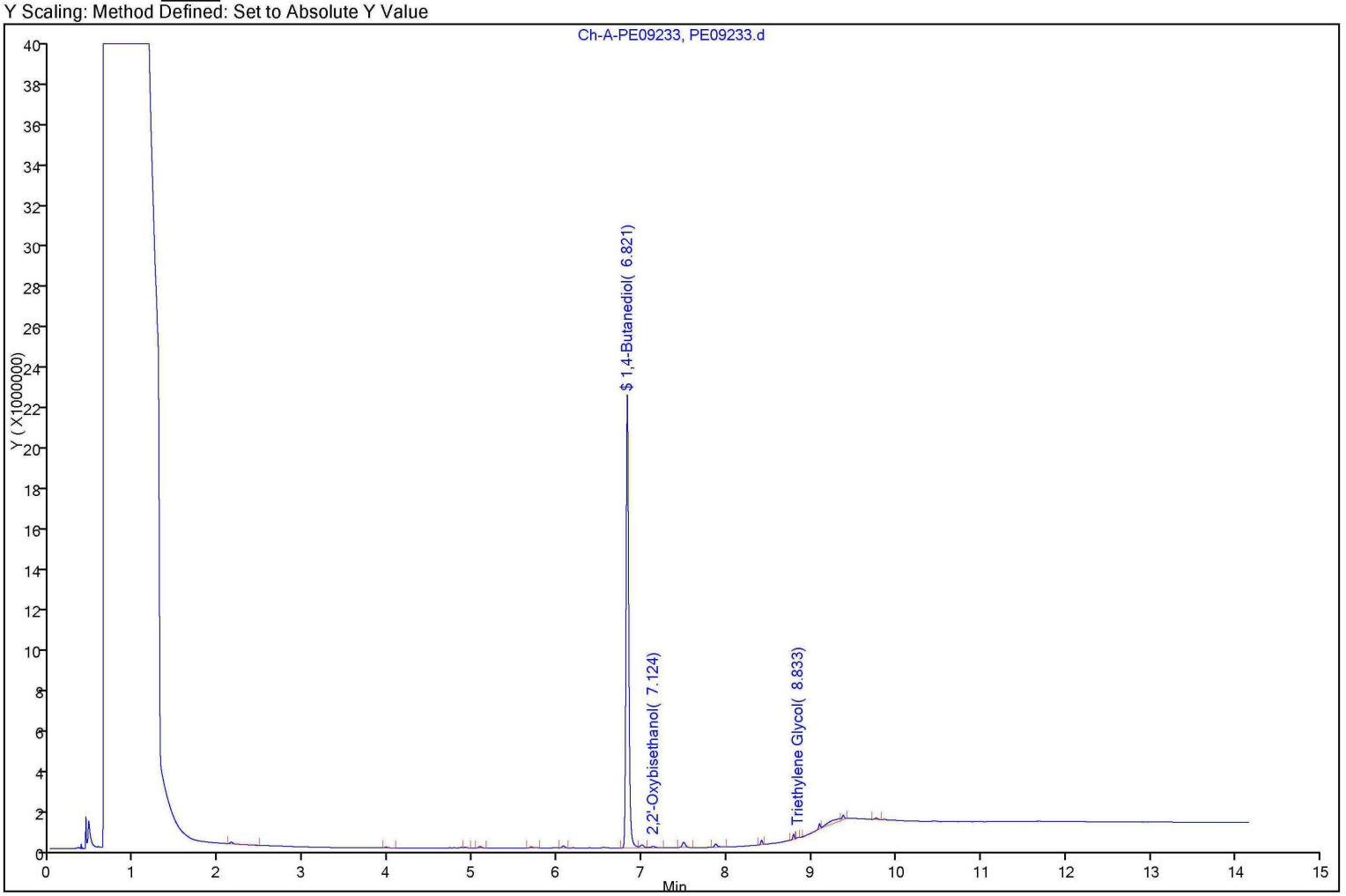
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09233.d		
Lims ID:	480-16102-A-5-A	Client ID:	HW16Z
Inject. Date:	17-Feb-2012 11:43:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-A-5-A		
Misc. Info.:	Study: 480-0009588-012 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	12
Detector:	Ch-A-PE09233		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:06:01

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.821	6.824	-0.003	49294900	53.7	
1 2,2'-Oxybisethanol					
7.124	7.173	-0.049	257724	0.4765	
4 Triethylene Glycol					
8.833	8.828	0.005	40275	0.1148	

Report Date: 17-Feb-2012 13:06:01 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09233.d
Injection Date: 17-Feb-2012 11:43:54 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW16Z Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 12
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW27
Lab Sample ID: 480-16102-6
Matrix: Water
Lab File ID: PE09234.d
Analysis Method: 8015B
Date Collected: 02/13/2012 10:37
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 12:01
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

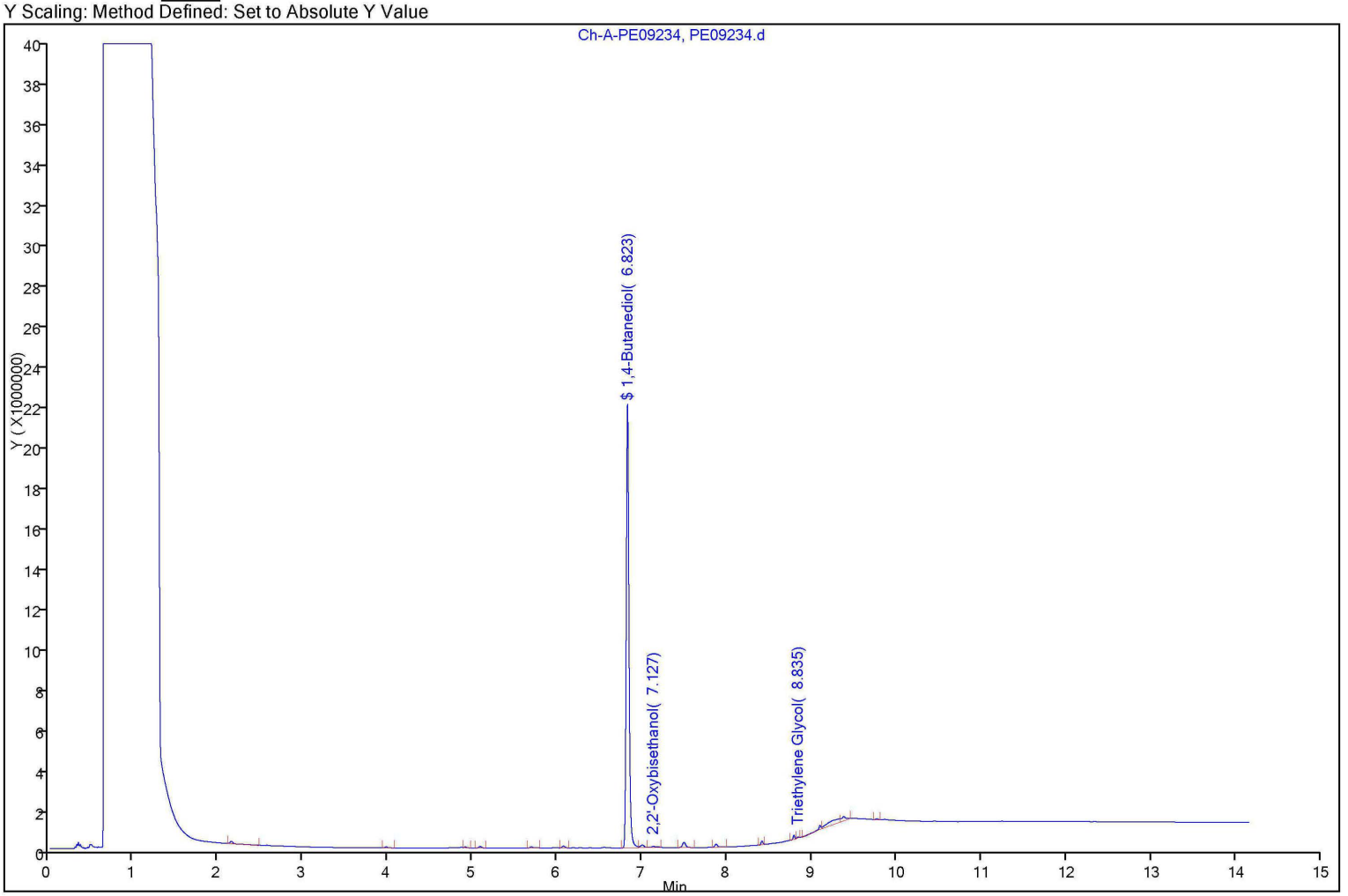
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09234.d		
Lims ID:	480-16102-B-6-A	Client ID:	HW27
Inject. Date:	17-Feb-2012 12:01:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-B-6-A		
Misc. Info.:	Study: 480-0009588-013 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	13
Detector:	Ch-A-PE09234		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:06:07

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.823	6.824	-0.001	48599336	53.0	
1 2,2'-Oxybisethanol					
7.127	7.173	-0.046	212040	0.3920	
4 Triethylene Glycol					
8.835	8.828	0.007	68793	0.1960	

Report Date: 17-Feb-2012 13:06:07 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09234.d
Injection Date: 17-Feb-2012 12:01:13 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW27 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 13
Operator ID: [redacted] 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.: 480-16102-1

SDG No.:

Client Sample ID: HW27z | Lab Sample ID: 480-16102-7

Matrix: Water | Lab File ID: PE09236.d

Analysis Method: 8015B | Date Collected: 02/13/2012 10:38

Sample wt/vol: .5(mL) | Date Analyzed: 02/17/2012 12:35

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	114		66-130

FORM I 8015B

TestAmerica Laboratories
Target Compound Quantitation Report

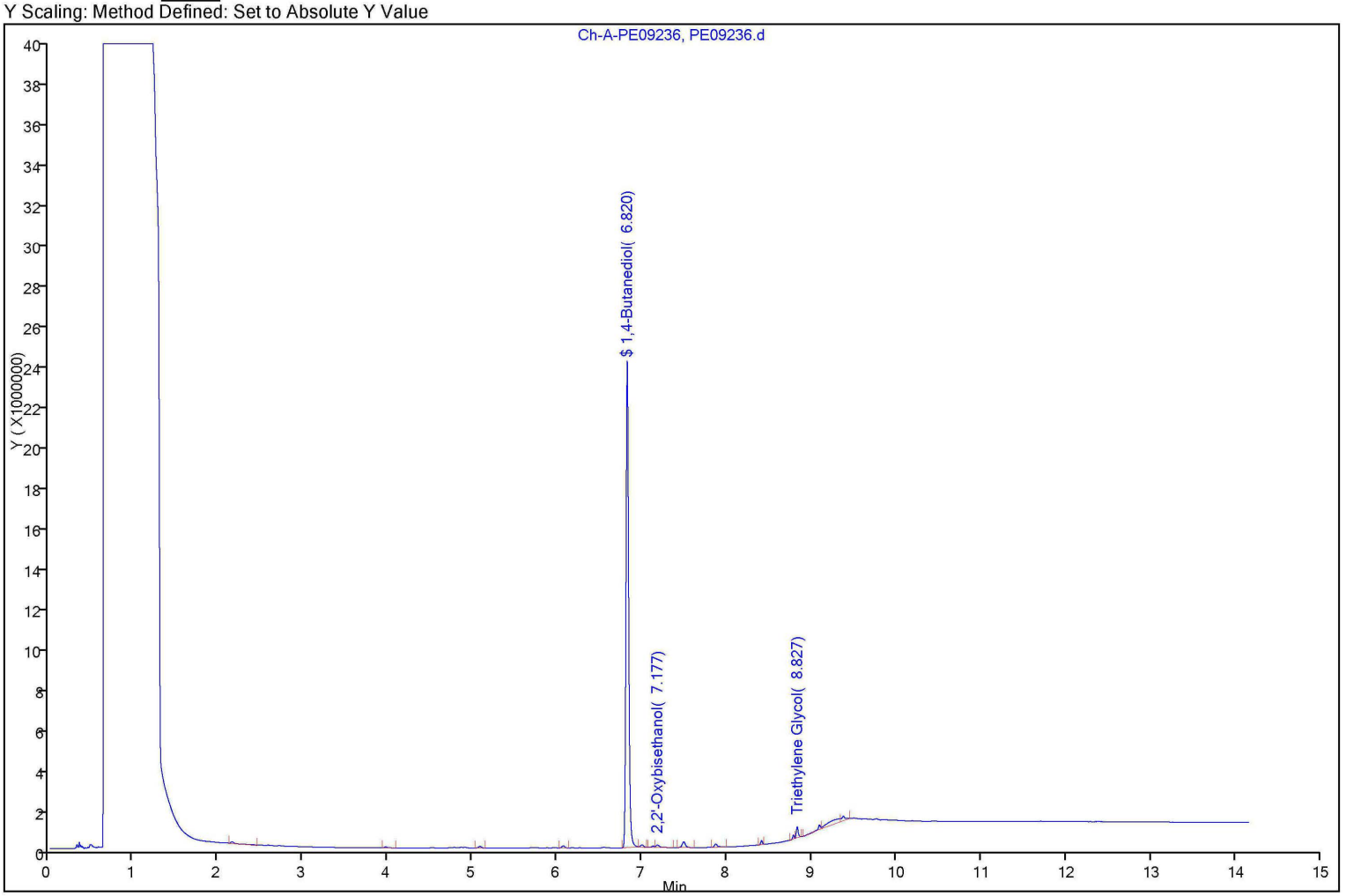
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09236.d		
Lims ID:	480-16102-B-7-A	Client ID:	HW27Z
Inject. Date:	17-Feb-2012 12:35:53	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-B-7-A		
Misc. Info.:	Study: 480-0009588-015 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	15
Detector:	Ch-A-PE09236		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 13:06:19

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.820	6.823	-0.003	52301189	57.0	
1 2,2'-Oxybisethanol					
7.177	7.173	0.004	378837	0.7004	
4 Triethylene Glycol					
8.827	8.829	-0.002	840696	2.40	

Report Date: 17-Feb-2012 13:06:19 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09236.d
Injection Date: 17-Feb-2012 12:35:53 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW27Z Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 15
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW36n
Lab Sample ID: 480-16102-8
Matrix: Water
Lab File ID: PE09237.d
Analysis Method: 8015B
Date Collected: 02/10/2012 10:53
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 12:53
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

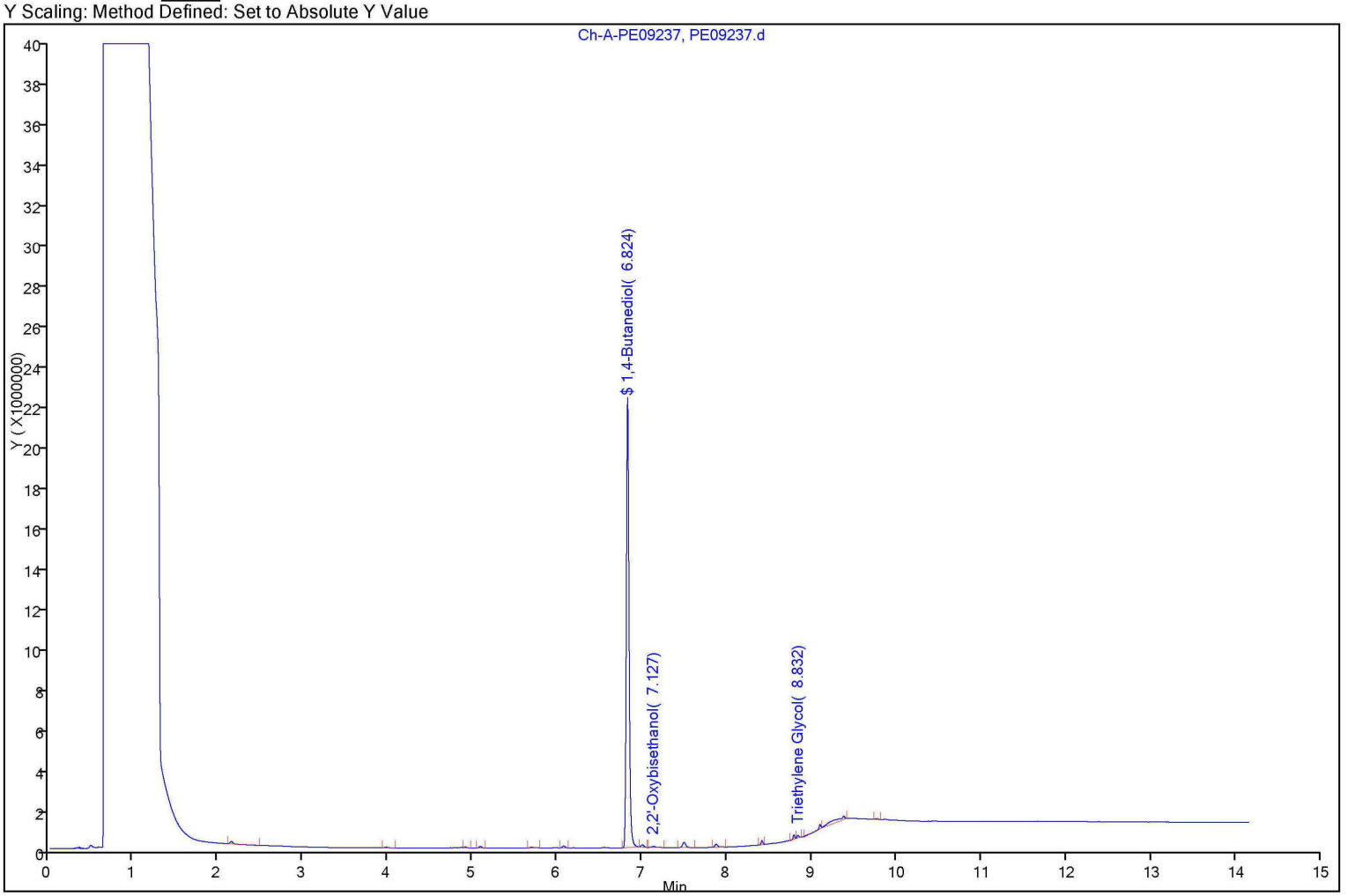
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09237.d		
Lims ID:	480-16102-A-8-A	Client ID:	HW36N
Inject. Date:	17-Feb-2012 12:53:12	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-A-8-A		
Misc. Info.:	Study: 480-0009588-016 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	16
Detector:	Ch-A-PE09237		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:01:52

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.824	6.823	0.001	48813557	53.2	
1 2,2'-Oxybisethanol					
7.127	7.173	-0.046	211508	0.3911	
4 Triethylene Glycol					
8.832	8.829	0.003	209039	0.5957	

Report Date: 17-Feb-2012 15:01:52 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09237.d
Injection Date: 17-Feb-2012 12:53:12 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW36N Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 16
Operator ID: [redacted] 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.: 480-16102-1

SDG No.:

Client Sample ID: HW36n-P | Lab Sample ID: 480-16102-9

Matrix: Water | Lab File ID: PE09238.d

Analysis Method: 8015B | Date Collected: 02/10/2012 11:02

Sample wt/vol: .5(mL) | Date Analyzed: 02/17/2012 13:10

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

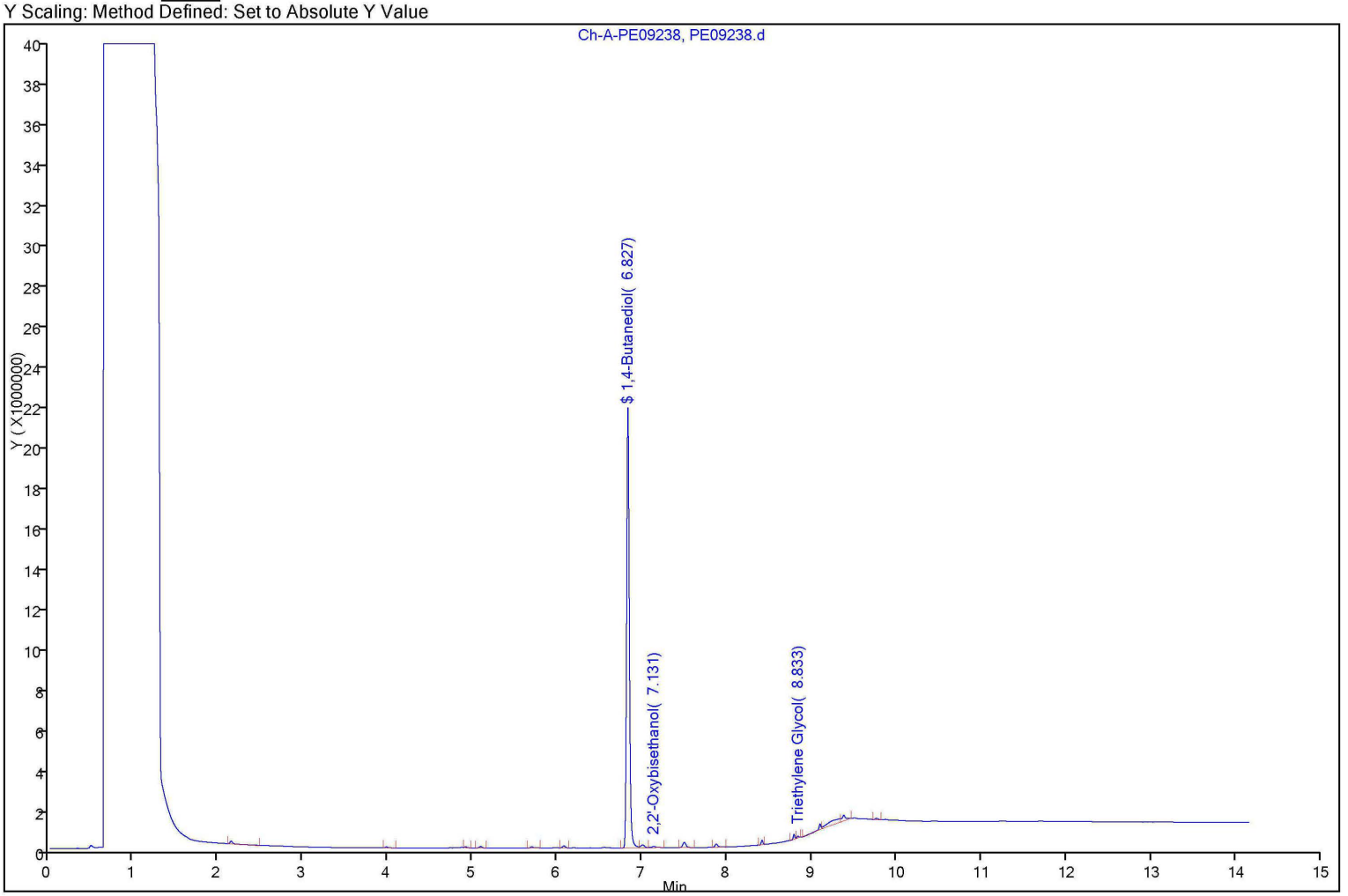
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09238.d		
Lims ID:	480-16102-B-9-A	Client ID:	HW36N-P
Inject. Date:	17-Feb-2012 13:10:32	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-B-9-A		
Misc. Info.:	Study: 480-0009588-017 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	17
Detector:	Ch-A-PE09238		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:01:55

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.827	6.823	0.004	48159669	52.5	
1 2,2'-Oxybisethanol					
7.131	7.173	-0.042	263609	0.4874	
4 Triethylene Glycol					
8.833	8.829	0.004	132647	0.3780	

Report Date: 17-Feb-2012 15:01:55 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09238.d
Injection Date: 17-Feb-2012 13:10:32 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW36N-P Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 17
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW54
Lab Sample ID: 480-16102-10
Matrix: Water
Lab File ID: PE09239.d
Analysis Method: 8015B
Date Collected: 02/10/2012 14:08
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 13:27
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

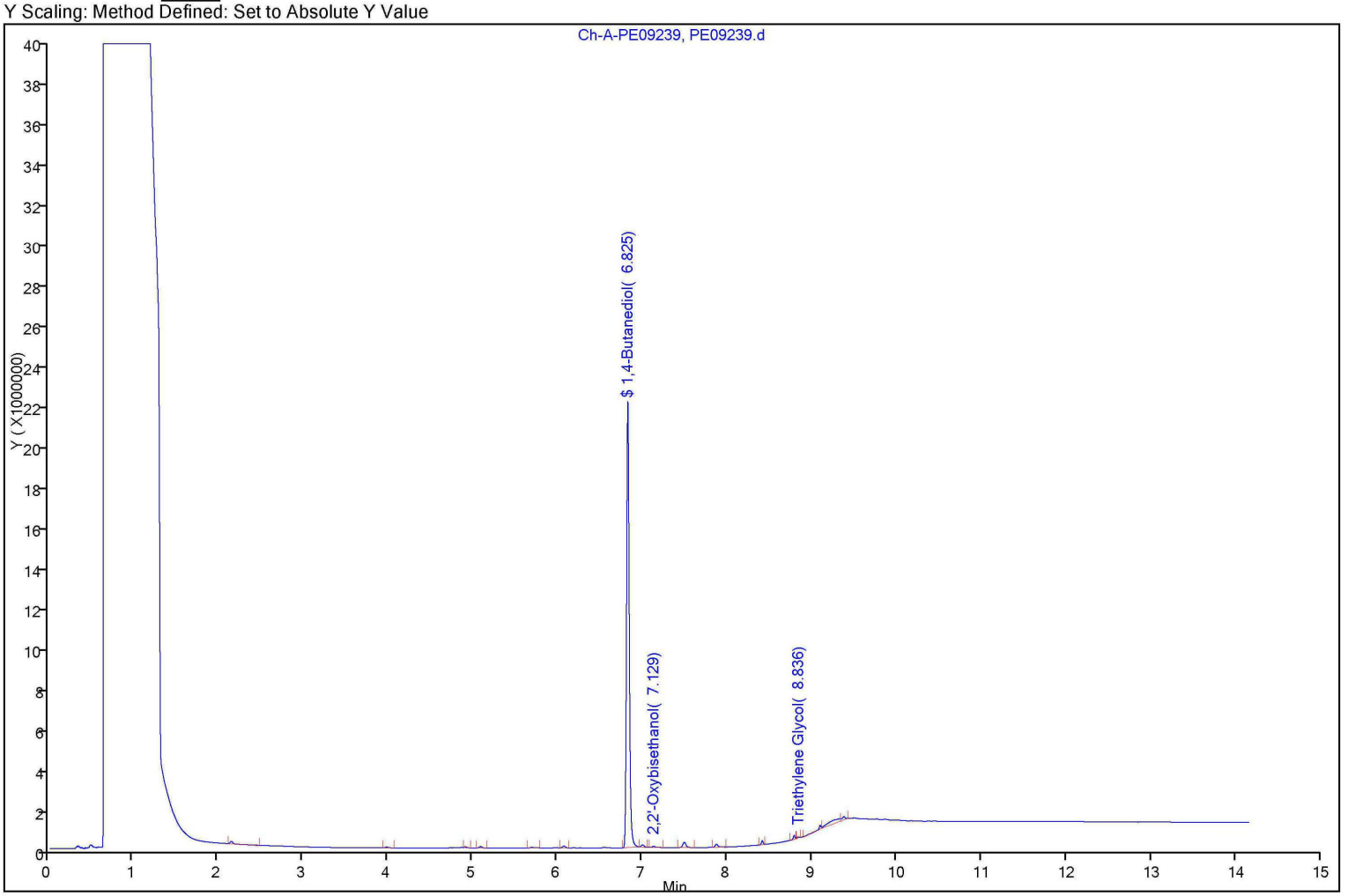
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09239.d		
Lims ID:	480-16102-B-10-A	Client ID:	HW54
Inject. Date:	17-Feb-2012 13:27:51	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-B-10-A		
Misc. Info.:	Study: 480-0009588-018 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	18
Detector:	Ch-A-PE09239		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:01:59

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.825	6.823	0.002	48440235	52.8	
1 2,2'-Oxybisethanol					
7.129	7.173	-0.044	178105	0.3293	
4 Triethylene Glycol					
8.836	8.829	0.007	87992	0.2507	

Report Date: 17-Feb-2012 15:01:59 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09239.d
Injection Date: 17-Feb-2012 13:27:51 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW54 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 18
Operator ID: [redacted] 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.: 480-16102-1

SDG No.:

Client Sample ID: HW54-P | Lab Sample ID: 480-16102-11

Matrix: Water | Lab File ID: PE09240.d

Analysis Method: 8015B | Date Collected: 02/10/2012 14:30

Sample wt/vol: .5(mL) | Date Analyzed: 02/17/2012 13:45

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

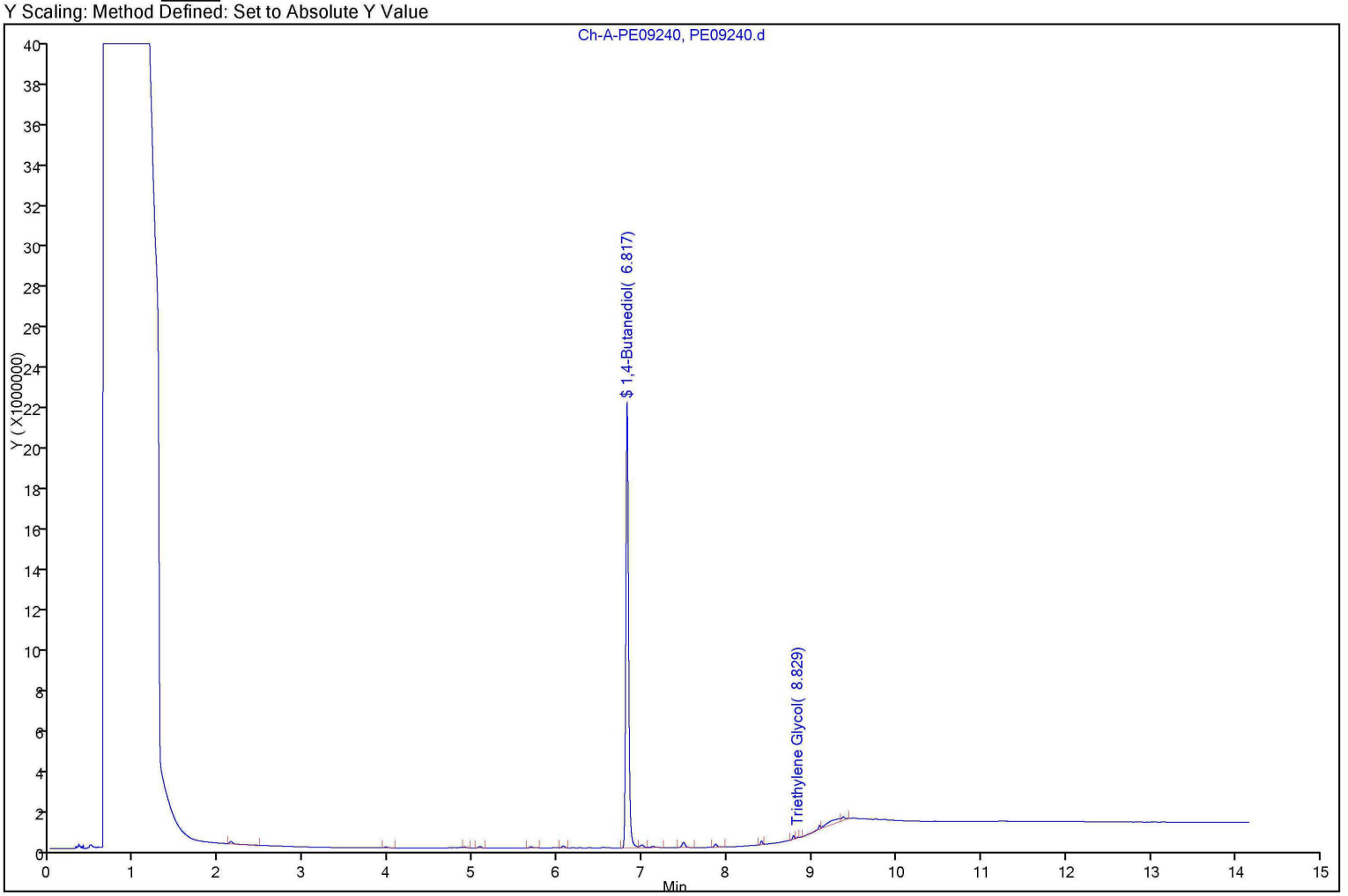
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09240.d		
Lims ID:	480-16102-A-11-A	Client ID:	HW54-P
Inject. Date:	17-Feb-2012 13:45:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-A-11-A		
Misc. Info.:	Study: 480-0009588-019 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	19
Detector:	Ch-A-PE09240		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:02:03

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.817	6.823	-0.006	49029823	53.4	
4 Triethylene Glycol					
8.829	8.829	0.000	47479	0.1353	

Report Date: 17-Feb-2012 15:02:03 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09240.d
Injection Date: 17-Feb-2012 13:45:10 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW54-P Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 19
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW55
Lab Sample ID: 480-16102-12
Matrix: Water
Lab File ID: PE09241.d
Analysis Method: 8015B
Date Collected: 02/13/2012 10:21
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 14:02
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

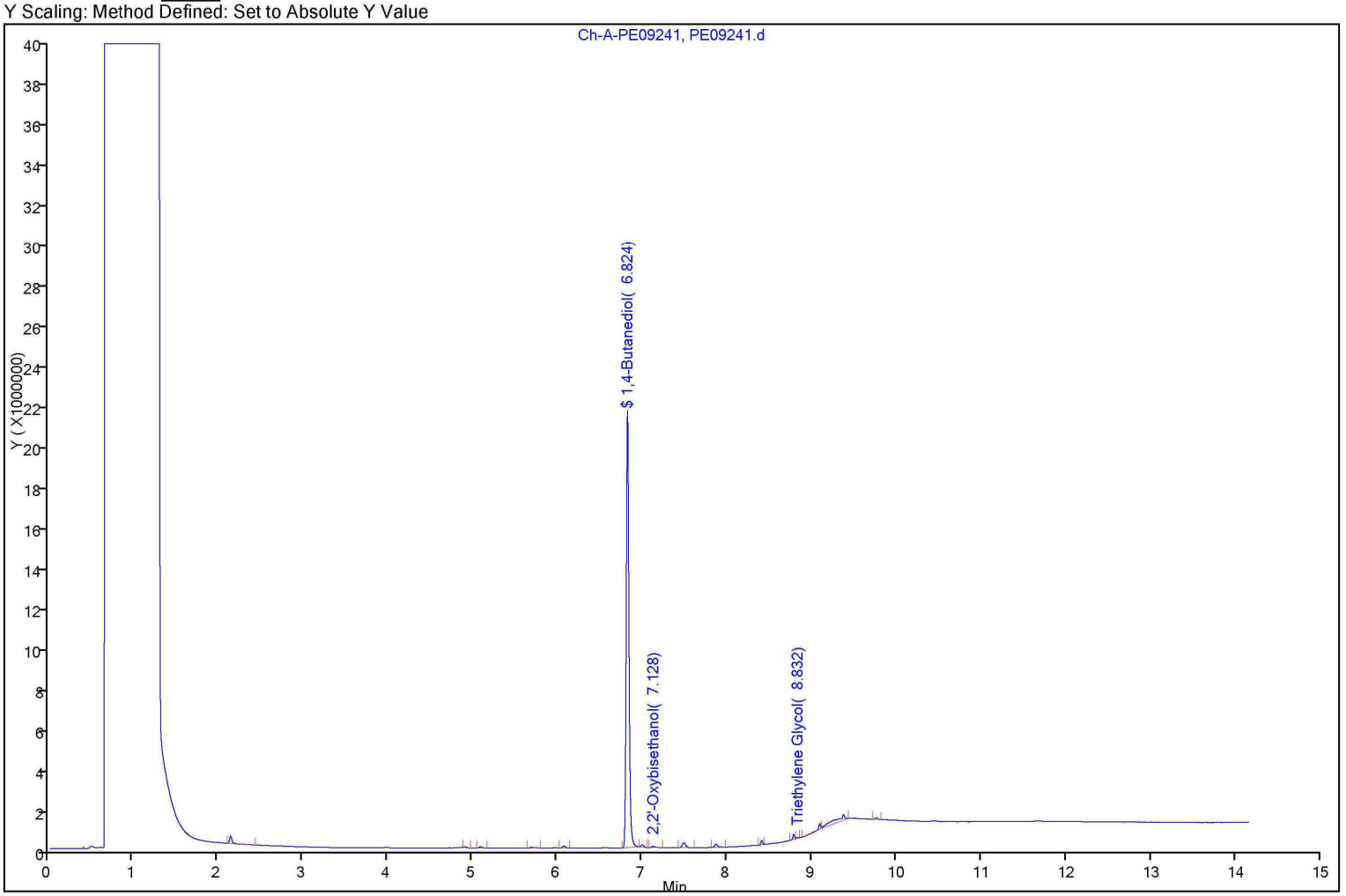
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09241.d		
Lims ID:	480-16102-A-12-A	Client ID:	HW55
Inject. Date:	17-Feb-2012 14:02:29	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: Name: 480-16102-A-12-A		
Misc. Info.:	Study: 480-0009588-020 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	20
Detector:	Ch-A-PE09241		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:02:08

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.824	6.823	0.001	47423153	51.7	
1 2,2'-Oxybisethanol					
7.128	7.173	-0.045	171847	0.3177	
4 Triethylene Glycol					
8.832	8.829	0.003	45759	0.1304	

Report Date: 17-Feb-2012 15:02:08 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09241.d
Injection Date: 17-Feb-2012 14:02:29 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW55 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 20
Operator ID: [redacted] 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.: 480-16102-1 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.: 480-16102-1 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.: 480-16102-1 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

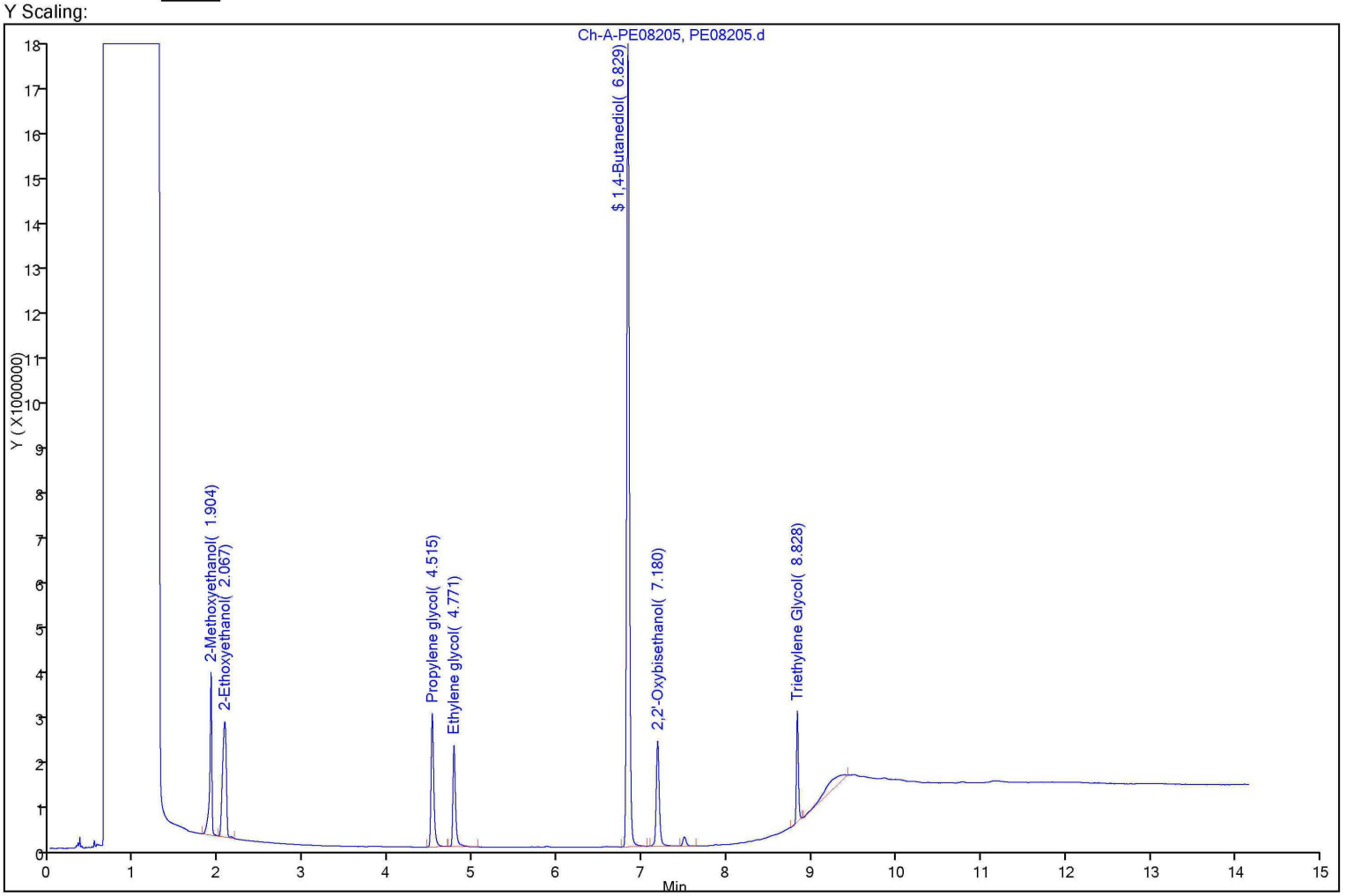
TestAmerica Laboratories
Target Compound Quantitation Report

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:	[redacted]	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: [redacted] 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: [redacted] 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:	[redacted]	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		

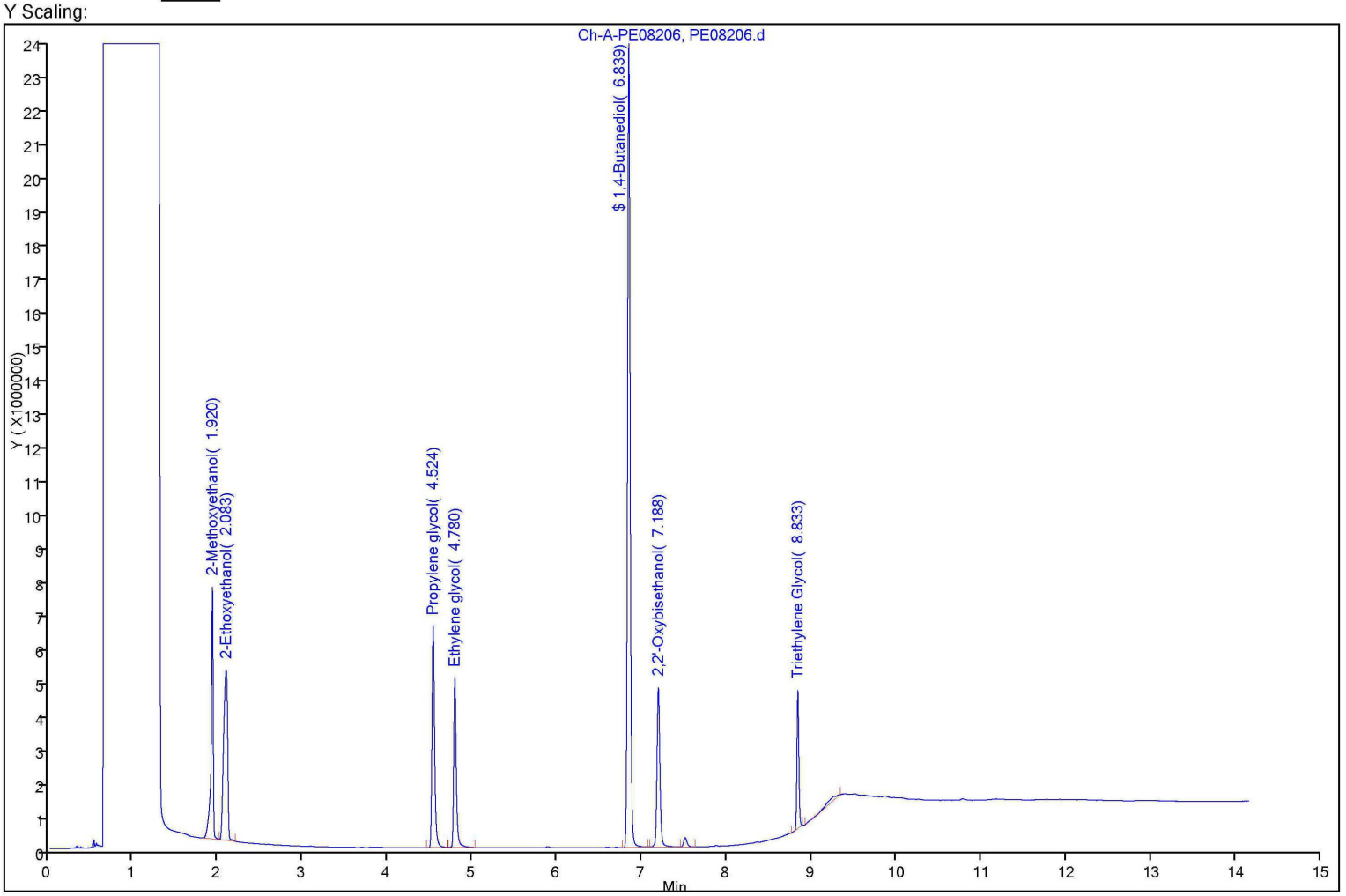
First Level Reviewer: [redacted] Date: 02-Feb-2012 16:15:30

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: [redacted] 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

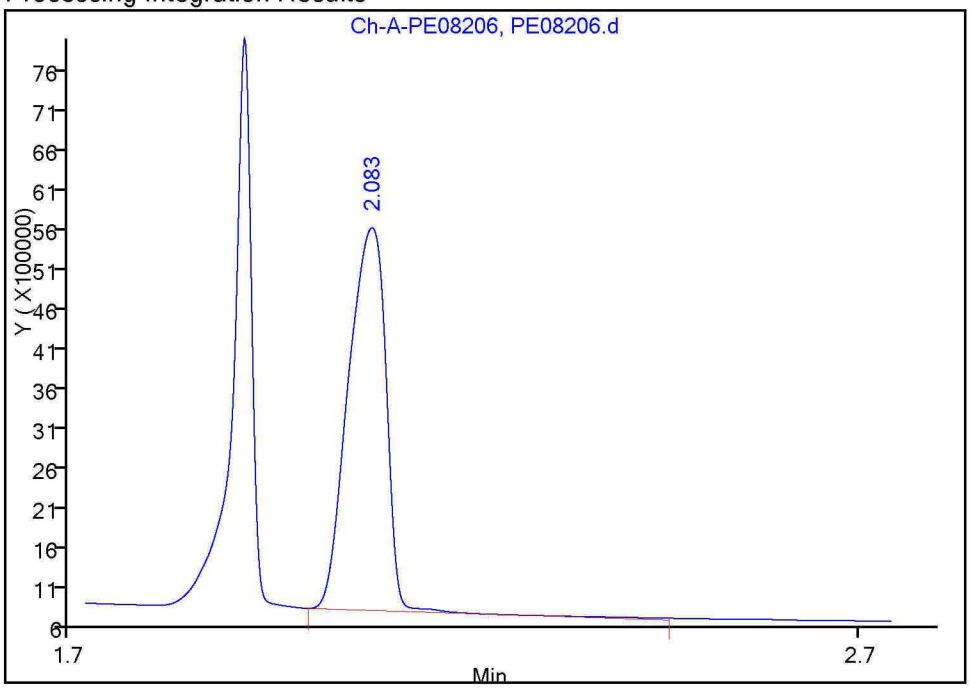
Manual Integration/User Assign Peak Report

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:	[redacted]	Injection Vol:	1.00 ul

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

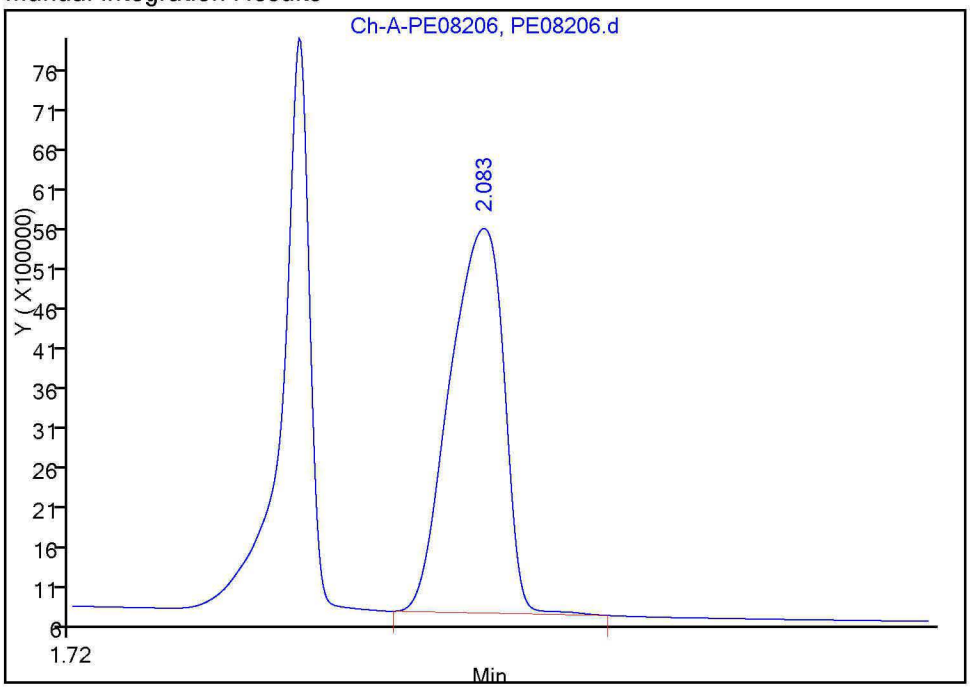
Processing Integration Results

RT: 2.08
Response: 16040383
Amount: 20.968681



Manual Integration Results

RT: 2.08
Response: 15853713
Amount: 20.846138



Reviewer: [redacted] 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:	[redacted]	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		

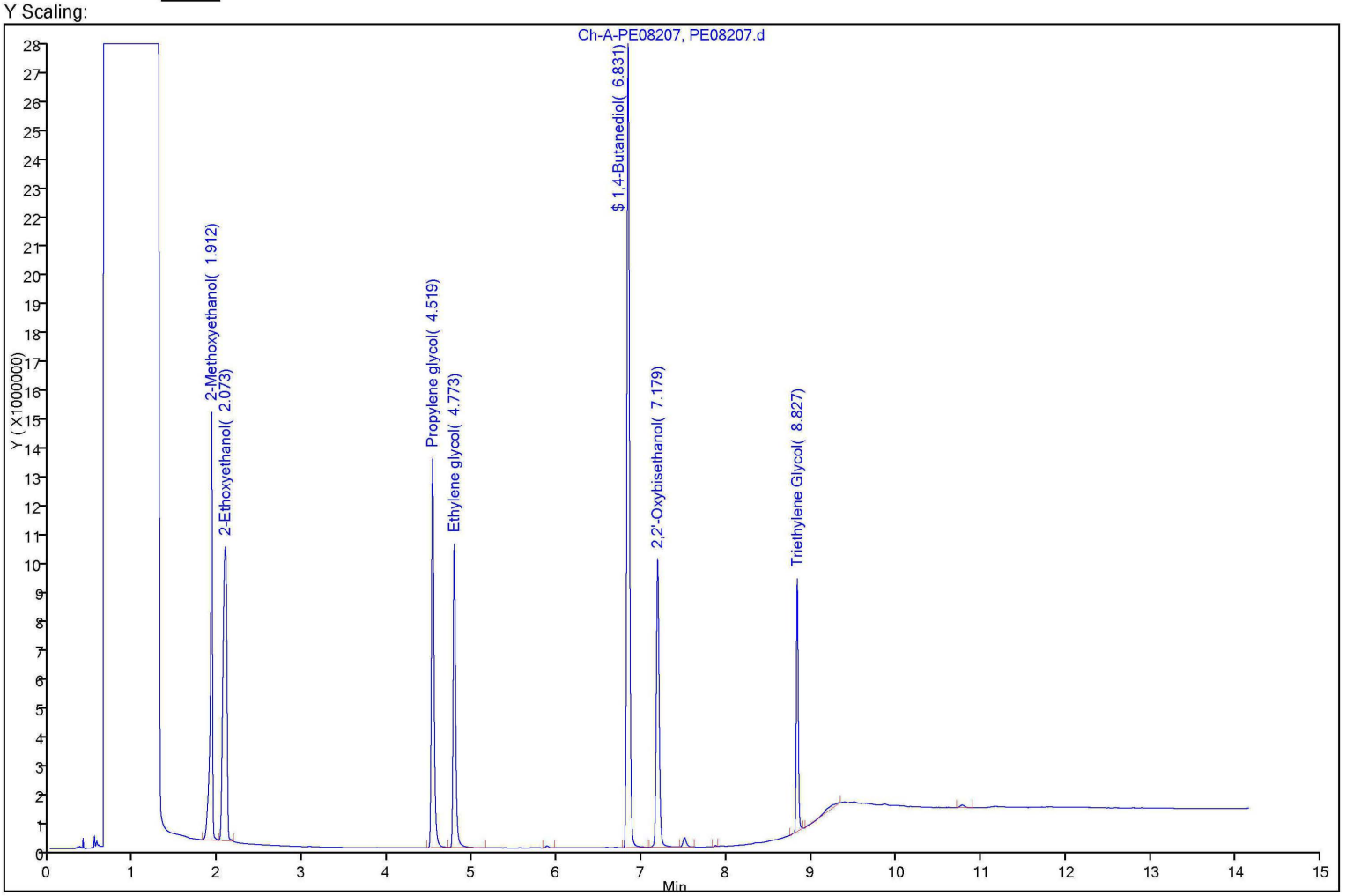
First Level Reviewer: [redacted] Date: 02-Feb-2012 16:15:48

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: [redacted] 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

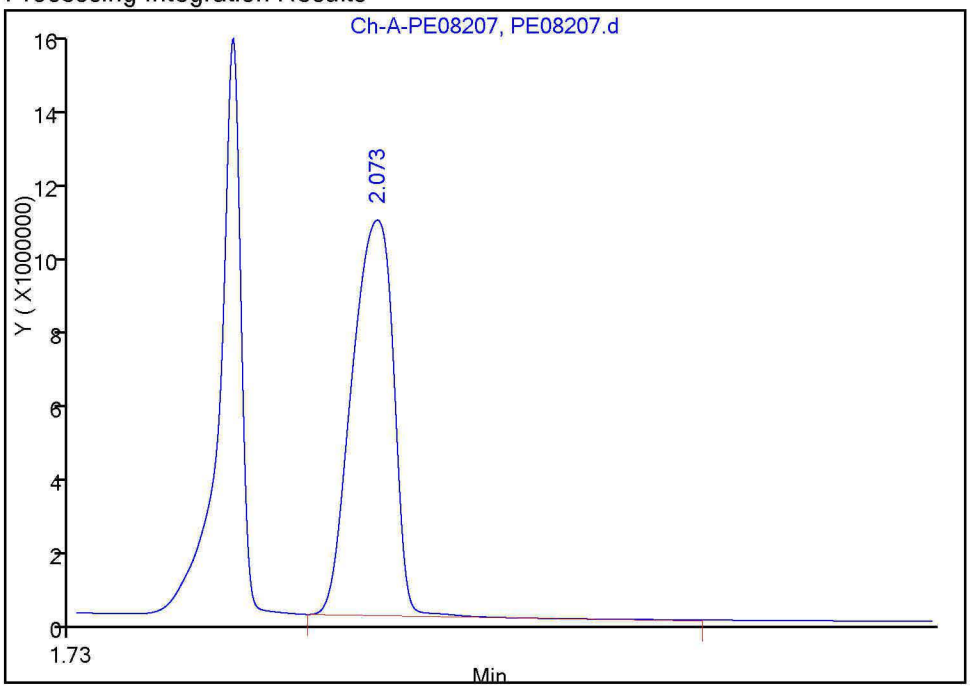
Manual Integration/User Assign Peak Report

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:	[redacted]	Injection Vol:	1.00 ul

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

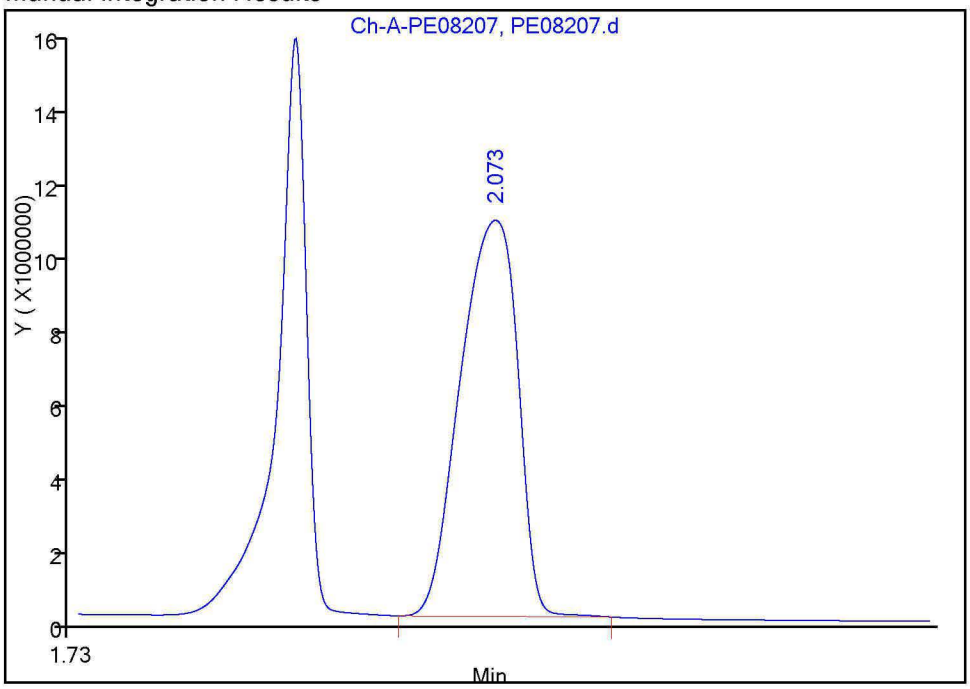
Processing Integration Results

RT: 2.07
Response: 31831103
Amount: 41.712780



Manual Integration Results

RT: 2.07
Response: 31498762
Amount: 41.417903



Reviewer: [redacted] 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:	[redacted]	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		

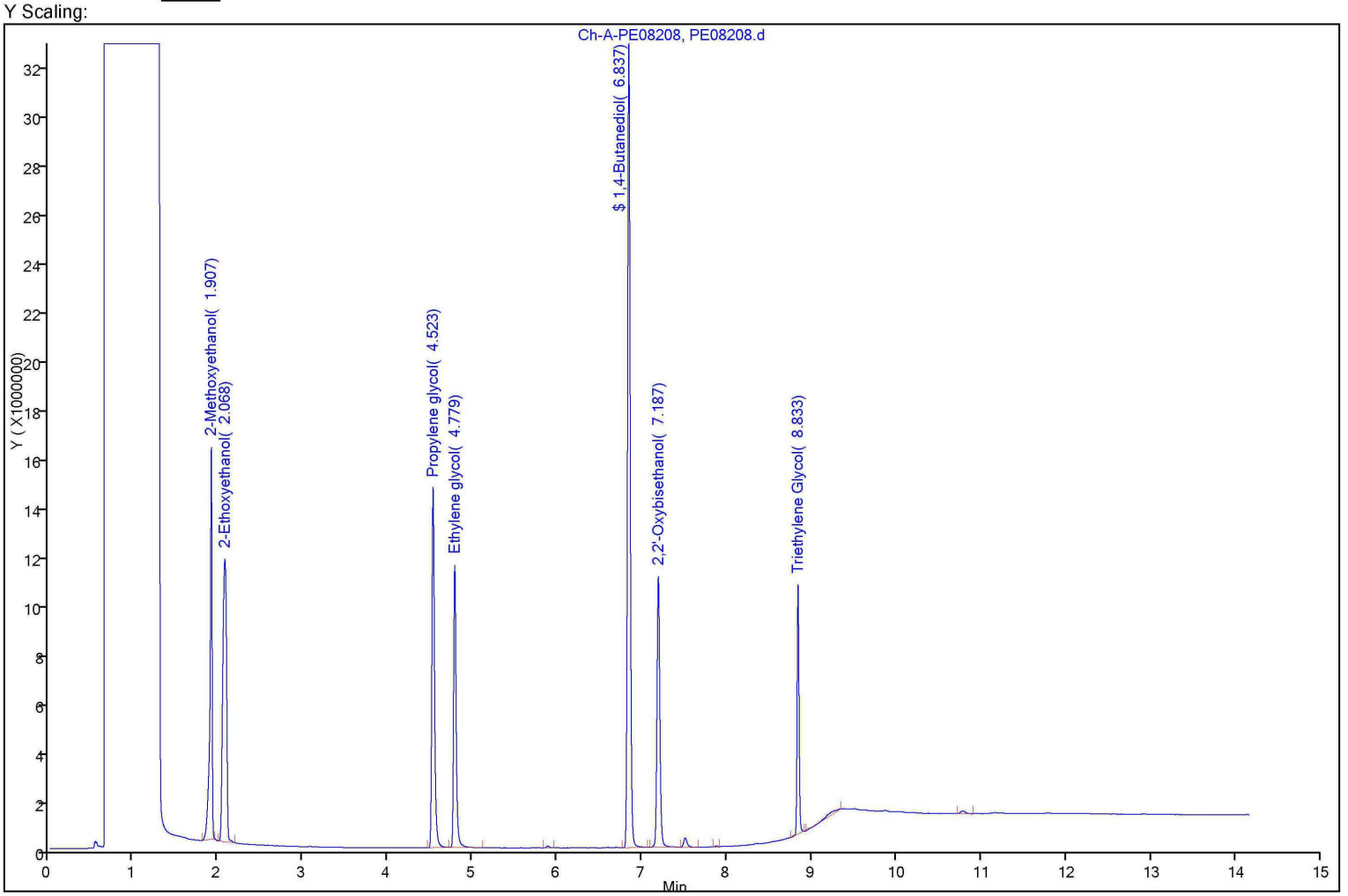
First Level Reviewer: [redacted] Date: 02-Feb-2012 16:15:40

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: [redacted] 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

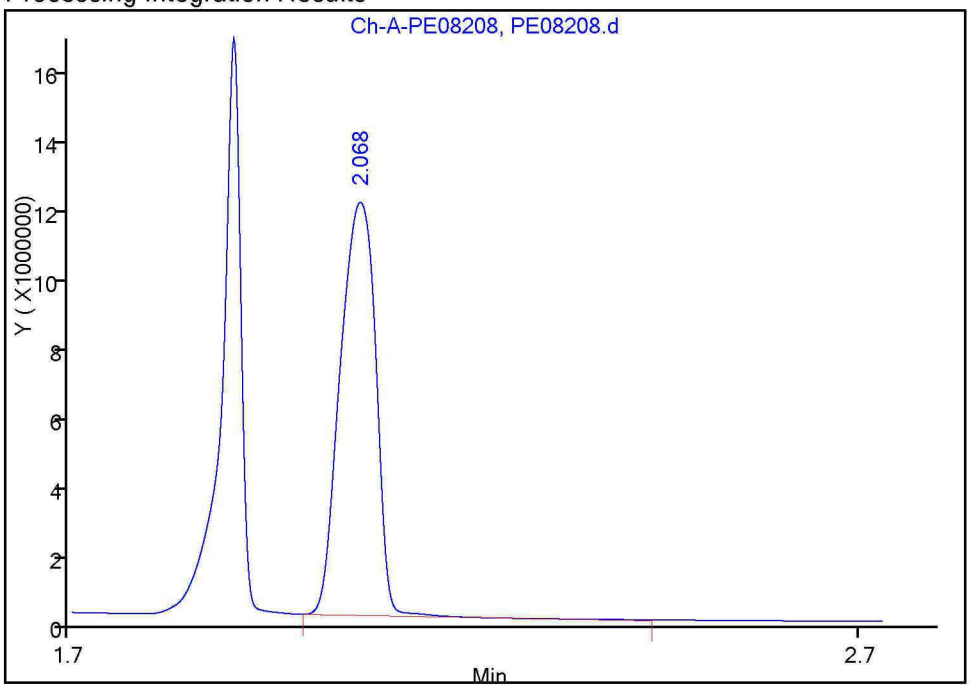
Manual Integration/User Assign Peak Report

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: [redacted] Injection Vol: 1.00 ul

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

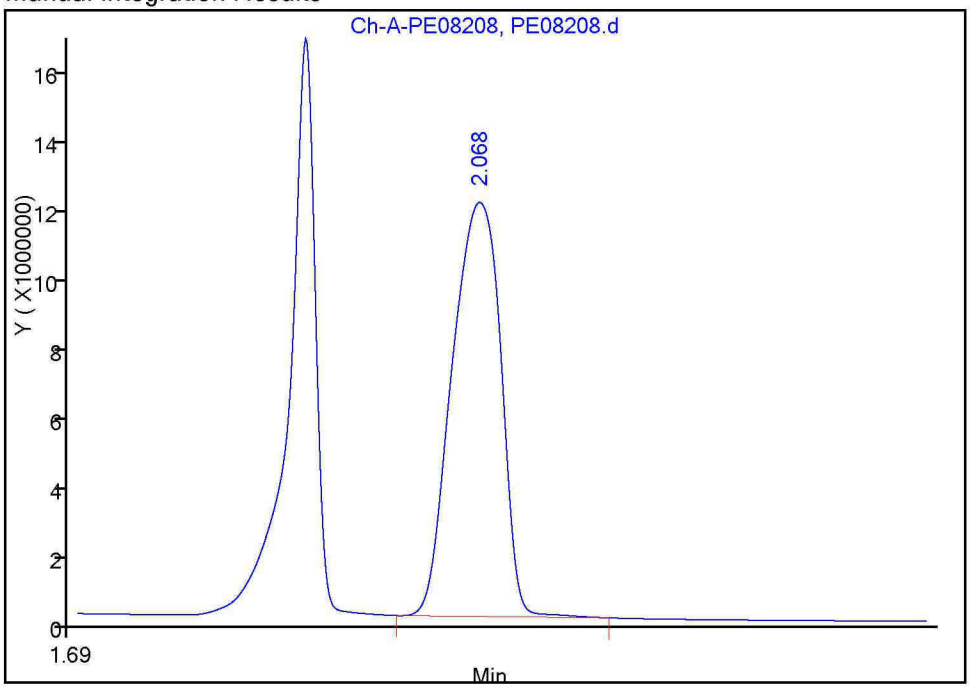
Processing Integration Results

RT: 2.07
Response: 34958648
Amount: 45.911217



Manual Integration Results

RT: 2.07
Response: 34726285
Amount: 45.661792



Reviewer: [redacted] 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

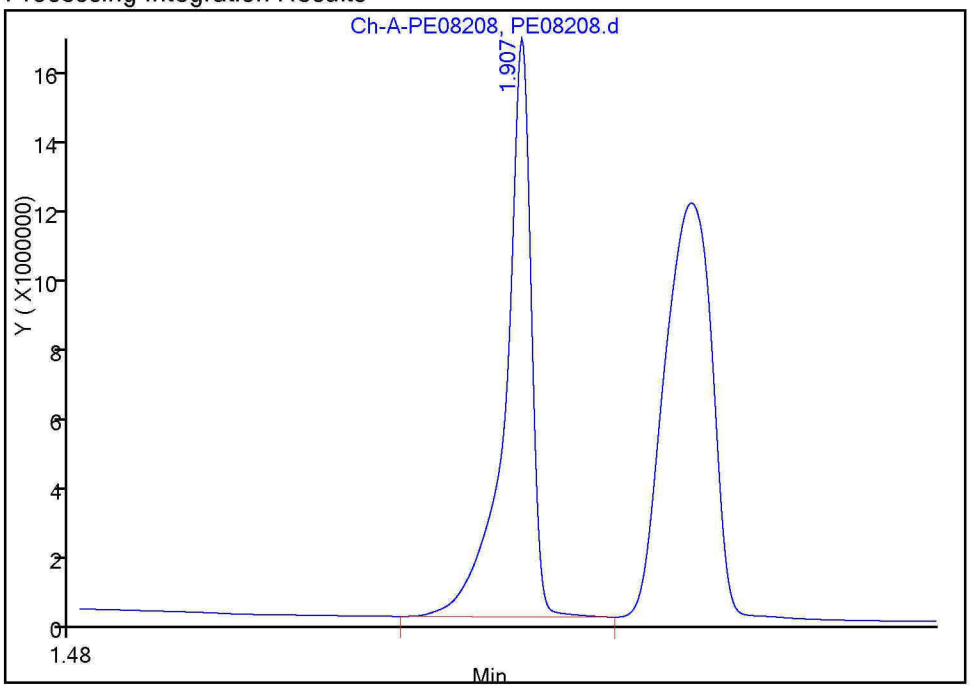
Manual Integration/User Assign Peak Report

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:	[redacted]	Injection Vol:	1.00 ul

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

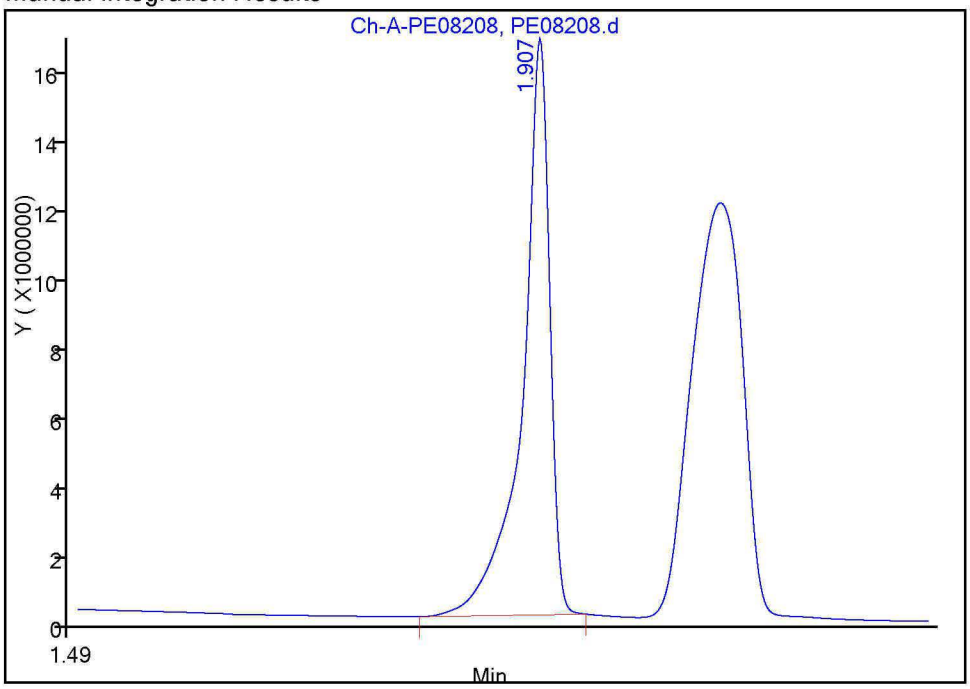
Processing Integration Results

RT: 1.91
Response: 26173052
Amount: 45.612841



Manual Integration Results

RT: 1.91
Response: 25685716
Amount: 44.916130



Reviewer: [redacted] 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.: 480-16102-1

SDG No.:

Lab Sample ID: CCV 480-51962/3 Calibration Date: 02/17/2012 08:17

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: PE09224.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	664669		23.2	20.0	16.2	20.0
2-Ethoxyethanol	Ave	760511	893385		23.5	20.0	17.5	20.0
Propylene glycol	Ave	643218	732179		22.8	20.0	13.8	20.0
Ethylene glycol	Ave	480568	537733		22.4	20.0	11.9	20.0
2,2'-Oxybisethanol	Ave	540871	566183		20.9	20.0	4.7	20.0
Triethylene Glycol	Ave	350934	271488		15.5	20.0	-22.6*	20.0
1,4-Butanediol	Ave	917742	923292		50.3	50.0	0.6	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16102-1

SDG No.:

Lab Sample ID: CCV 480-51962/3 Calibration Date: 02/17/2012 08:17

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: PE09224.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	4.77	4.72	4.82
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

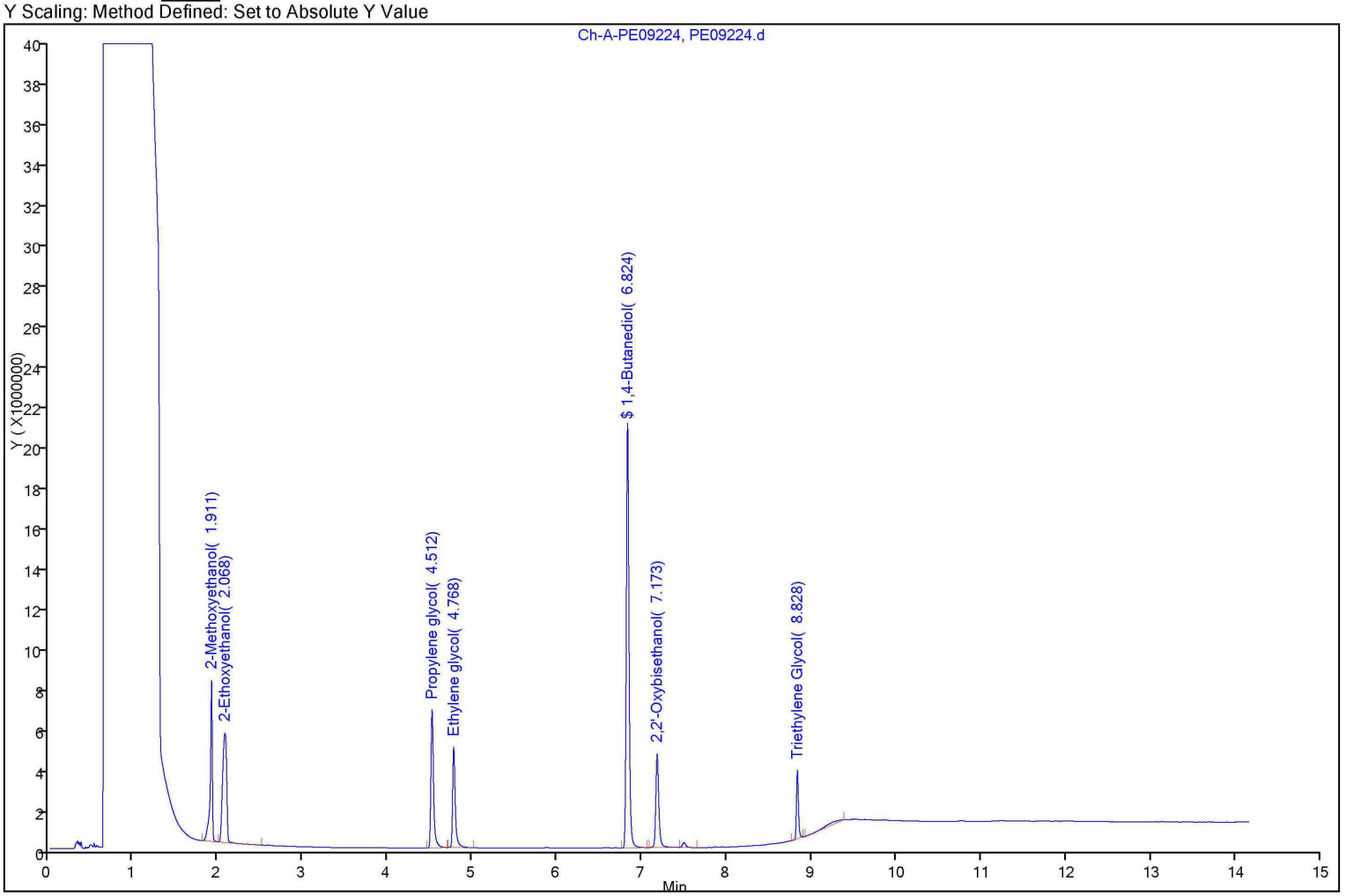
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09224.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Feb-2012 08:17:49	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#:		
Misc. Info.:			
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	3
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE09224		
Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 09:26:41	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: [redacted] Date: 17-Feb-2012 09:26:41

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.911	1.911	0.000	13293373	23.2	
2 2-Ethoxyethanol					
2.068	2.068	0.000	17867702	23.5	
5 Propylene glycol					
4.512	4.512	0.000	14643577	22.8	
8 Ethylene glycol					
4.768	4.768	0.000	10754653	22.4	
$ 7 1,4-Butanediol					
6.824	6.824	0.000	46164593	50.3	
1 2,2'-Oxybisethanol					
7.173	7.173	0.000	11323660	20.9	
4 Triethylene Glycol					
8.828	8.828	0.000	5429756	15.5	

Report Date: 17-Feb-2012 09:26:41 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09224.d
Injection Date: 17-Feb-2012 08:17:49 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 3
Operator ID: [redacted] 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.: 480-16102-1

SDG No.:

Lab Sample ID: CCV 480-51962/14 Calibration Date: 02/17/2012 12:18

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: PE09235.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	666993		23.3	20.0	16.6	20.0
2-Ethoxyethanol	Ave	760511	894740		23.5	20.0	17.6	20.0
Propylene glycol	Ave	643218	746011		23.2	20.0	16.0	20.0
Ethylene glycol	Ave	480568	552710		23.0	20.0	15.0	20.0
2,2'-Oxybisethanol	Ave	540871	603813		22.3	20.0	11.6	20.0
Triethylene Glycol	Ave	350934	313129		17.8	20.0	-10.8	20.0
1,4-Butanediol	Ave	917742	947260		51.6	50.0	3.2	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-16102-1

SDG No.:

Lab Sample ID: CCV 480-51962/14 Calibration Date: 02/17/2012 12:18

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: PE09235.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	4.77	4.72	4.82
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

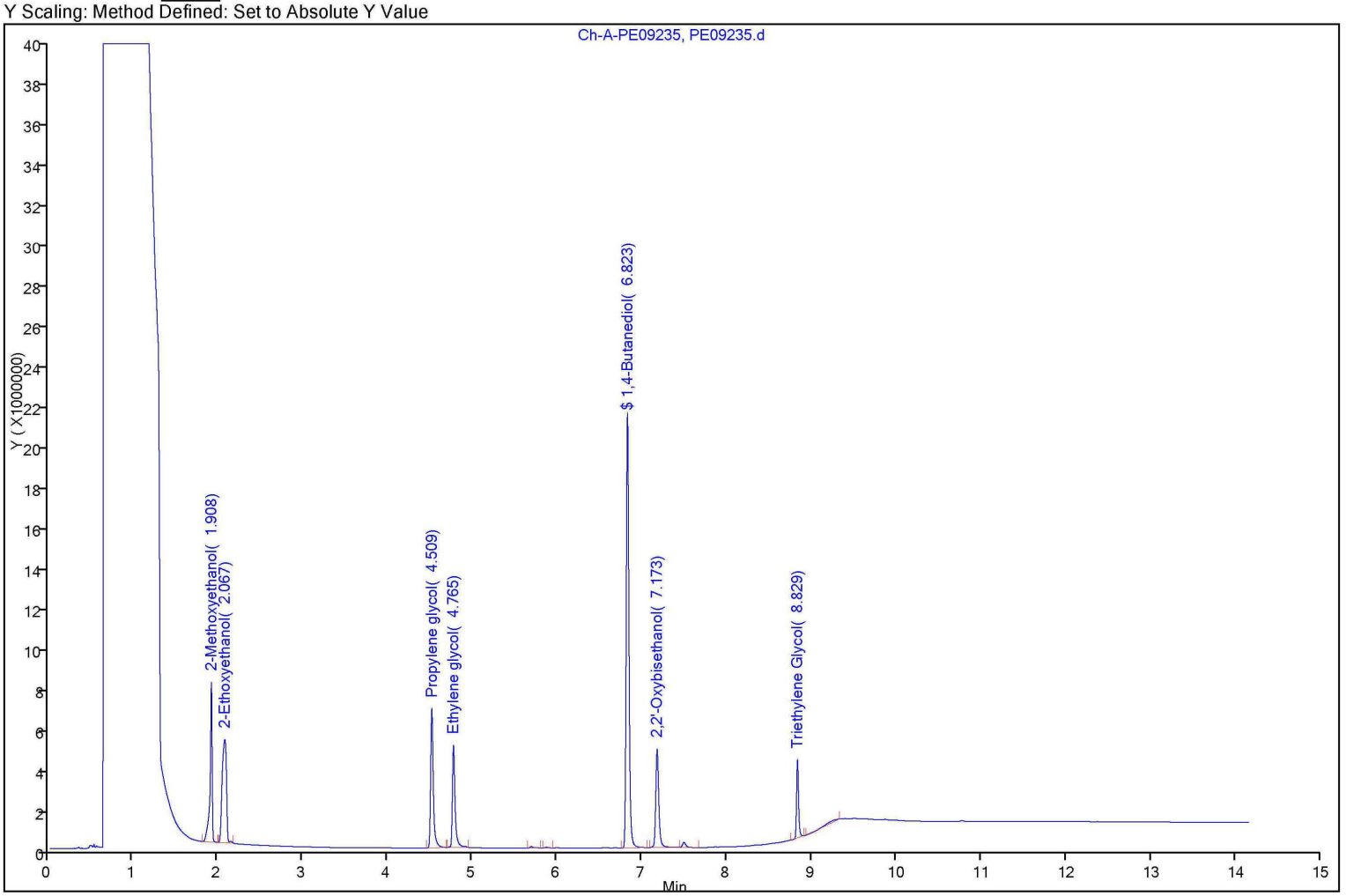
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09235.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	17-Feb-2012 12:18:34	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: Name: CCV		
Misc. Info.:	Study: 480-0009588-014 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	14
Sublist:	chrom-8015-Gly-PE01*sub1		
Detector:	Ch-A-PE09235		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 13:06:11

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.908	1.908	0.000	13339863	23.3	
2 2-Ethoxyethanol					
2.067	2.067	0.000	17894801	23.5	
5 Propylene glycol					
4.509	4.509	0.000	14920212	23.2	
8 Ethylene glycol					
4.765	4.765	0.000	11054194	23.0	
$ 7 1,4-Butanediol					
6.823	6.823	0.000	47363010	51.6	
1 2,2'-Oxybisethanol					
7.173	7.173	0.000	12076265	22.3	
4 Triethylene Glycol					
8.829	8.829	0.000	6262576	17.8	

Report Date: 17-Feb-2012 13:06:11 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09235.d
Injection Date: 17-Feb-2012 12:18:34 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 14
Operator ID: [redacted] 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.: 480-16102-1

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.: 480-16102-1

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

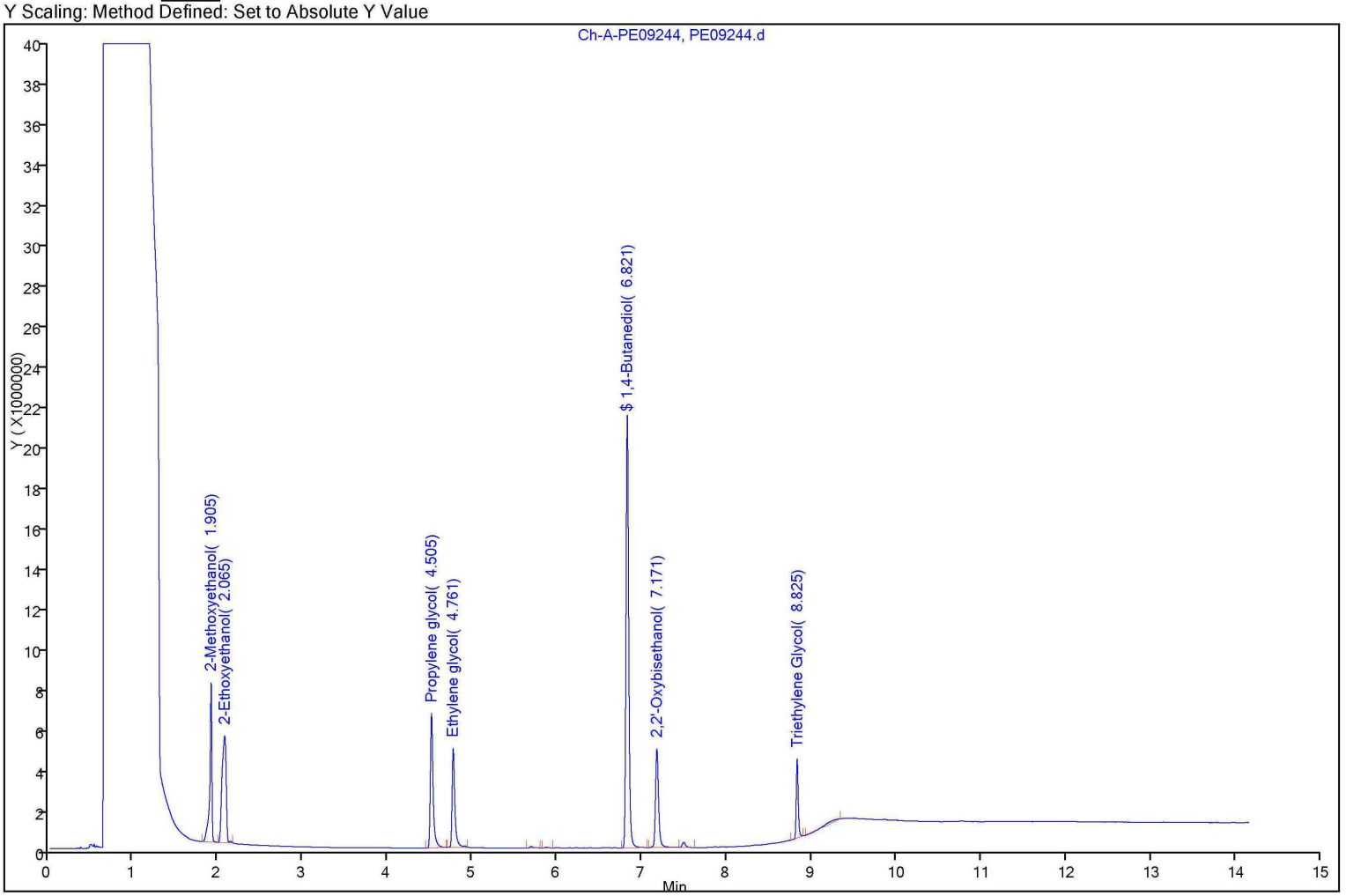
TestAmerica Laboratories
Target Compound Quantitation Report

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:	[redacted]	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: [redacted] 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: [redacted] 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.: 480-16102-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-51944/1-A

Matrix: Water | Lab File ID: PE09225.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: .5(mL) | Date Analyzed: 02/17/2012 08:57

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	100		66-130

FORM I 8015B

TestAmerica Laboratories
Target Compound Quantitation Report

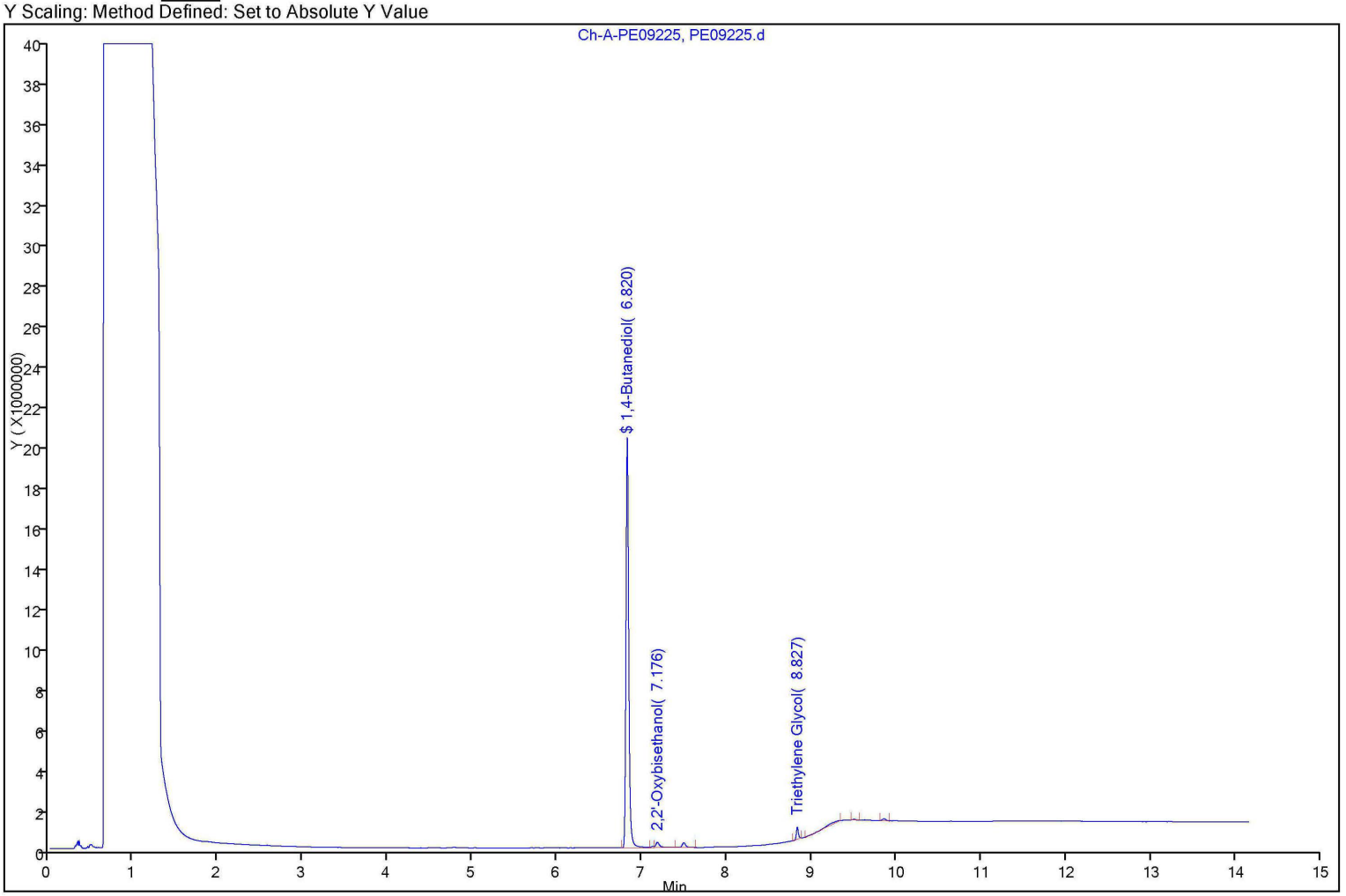
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09225.d		
Lims ID:	MB 480-51944/1-A	Client ID:	
Inject. Date:	17-Feb-2012 08:57:31	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	#:		
Misc. Info.:			
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	4
Detector:	Ch-A-PE09225		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 09:55:25	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: [redacted] Date: 17-Feb-2012 09:55:25

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
$ 7 1,4-Butanediol					
6.820	6.824	-0.004	45943467	50.1	
1 2,2'-Oxybisethanol					
7.176	7.173	0.003	943383	1.74	
4 Triethylene Glycol					
8.827	8.828	-0.001	999329	2.85	

Report Date: 17-Feb-2012 09:55:25 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09225.d
Injection Date: 17-Feb-2012 08:57:31 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 4
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 480-51944/2-A
Matrix: Water
Lab File ID: PE09226.d
Analysis Method: 8015B
Date Collected:
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 09:14
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	19.2		10	0.76

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

FORM I 8015B

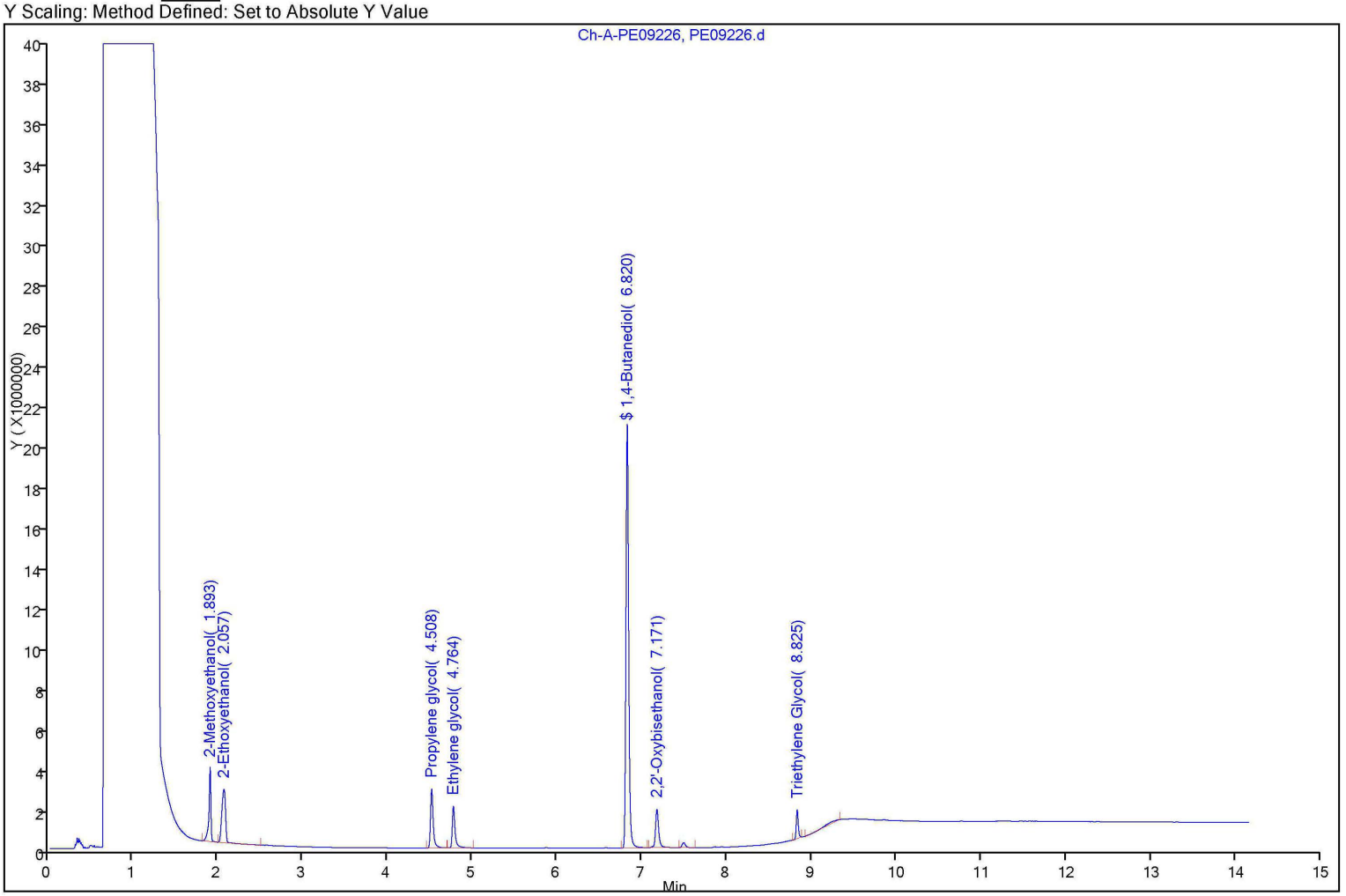
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09226.d		
Lims ID:	LCS 480-51944/2-A	Client ID:	
Inject. Date:	17-Feb-2012 09:14:52	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	#:		
Misc. Info.:			
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	5
Detector:	Ch-A-PE09226		
Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:04:44	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: [redacted] Date: 17-Feb-2012 13:05:29

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.893	1.911	-0.018	5845943	10.2	
2 2-Ethoxyethanol					
2.057	2.068	-0.011	8002080	10.5	
5 Propylene glycol					
4.508	4.512	-0.004	6382628	9.92	
8 Ethylene glycol					
4.764	4.768	-0.004	4625450	9.62	
$ 7 1,4-Butanediol					
6.820	6.824	-0.004	46351925	50.5	
1 2,2'-Oxybisethanol					
7.171	7.173	-0.002	4894968	9.05	
4 Triethylene Glycol					
8.825	8.828	-0.003	2304232	6.57	

Report Date: 17-Feb-2012 13:05:29 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09226.d
Injection Date: 17-Feb-2012 09:14:52 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 5
Operator ID: [redacted] 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.: 480-16102-1

SDG No.:

Client Sample ID: HW55 MS | Lab Sample ID: 480-16102-12 MS

Matrix: Water | Lab File ID: PE09242.d

Analysis Method: 8015B | Date Collected: 02/13/2012 10:21

Sample wt/vol: .5(mL) | Date Analyzed: 02/17/2012 14:19

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	19.3		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

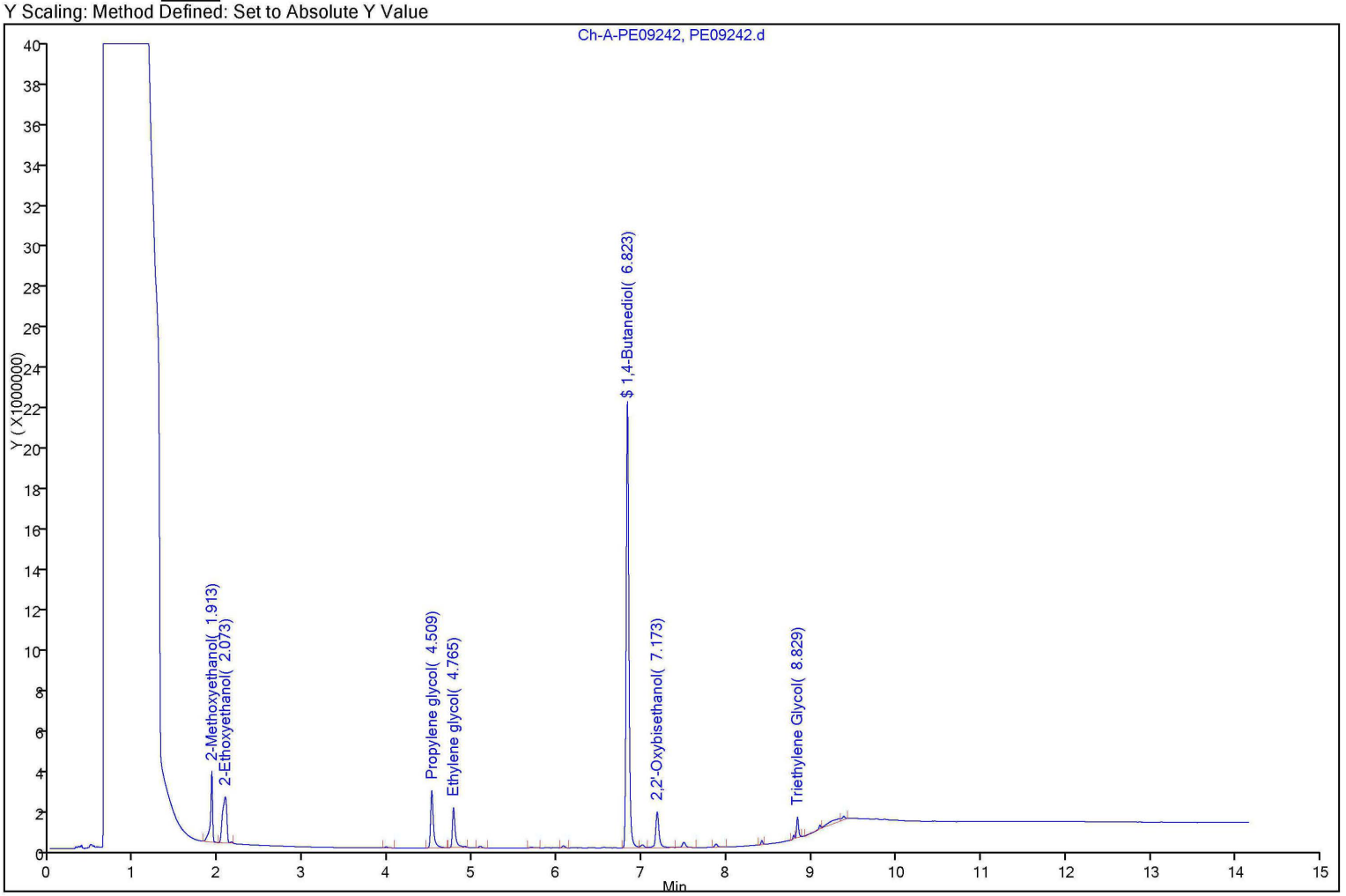
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09242.d		
Lims ID:	480-16102-A-12-B MS	Client ID:	HW55
Inject. Date:	17-Feb-2012 14:19:48	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	#: Name: 480-16102-A-12-B MS		
Misc. Info.:	Study: 480-0009588-021 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	21
Detector:	Ch-A-PE09242		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:02:13

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.913	1.908	0.005	5903274	10.3	
2 2-Ethoxyethanol					
2.073	2.067	0.006	7918621	10.4	
5 Propylene glycol					
4.509	4.509	0.000	6418519	9.98	
8 Ethylene glycol					
4.765	4.765	0.000	4629236	9.63	
$ 7 1,4-Butanediol					
6.823	6.823	0.000	48663842	53.0	
1 2,2'-Oxybisethanol					
7.173	7.173	0.000	4886171	9.03	
4 Triethylene Glycol					
8.829	8.829	0.000	1595547	4.55	

Report Date: 17-Feb-2012 15:02:13 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09242.d
Injection Date: 17-Feb-2012 14:19:48 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW55 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 21
Operator ID: [redacted] 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.: 480-16102-1
SDG No.:
Client Sample ID: HW55 MSD
Lab Sample ID: 480-16102-12 MSD
Matrix: Water
Lab File ID: PE09243.d
Analysis Method: 8015B
Date Collected: 02/13/2012 10:21
Sample wt/vol: .5(mL)
Date Analyzed: 02/17/2012 14:37
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

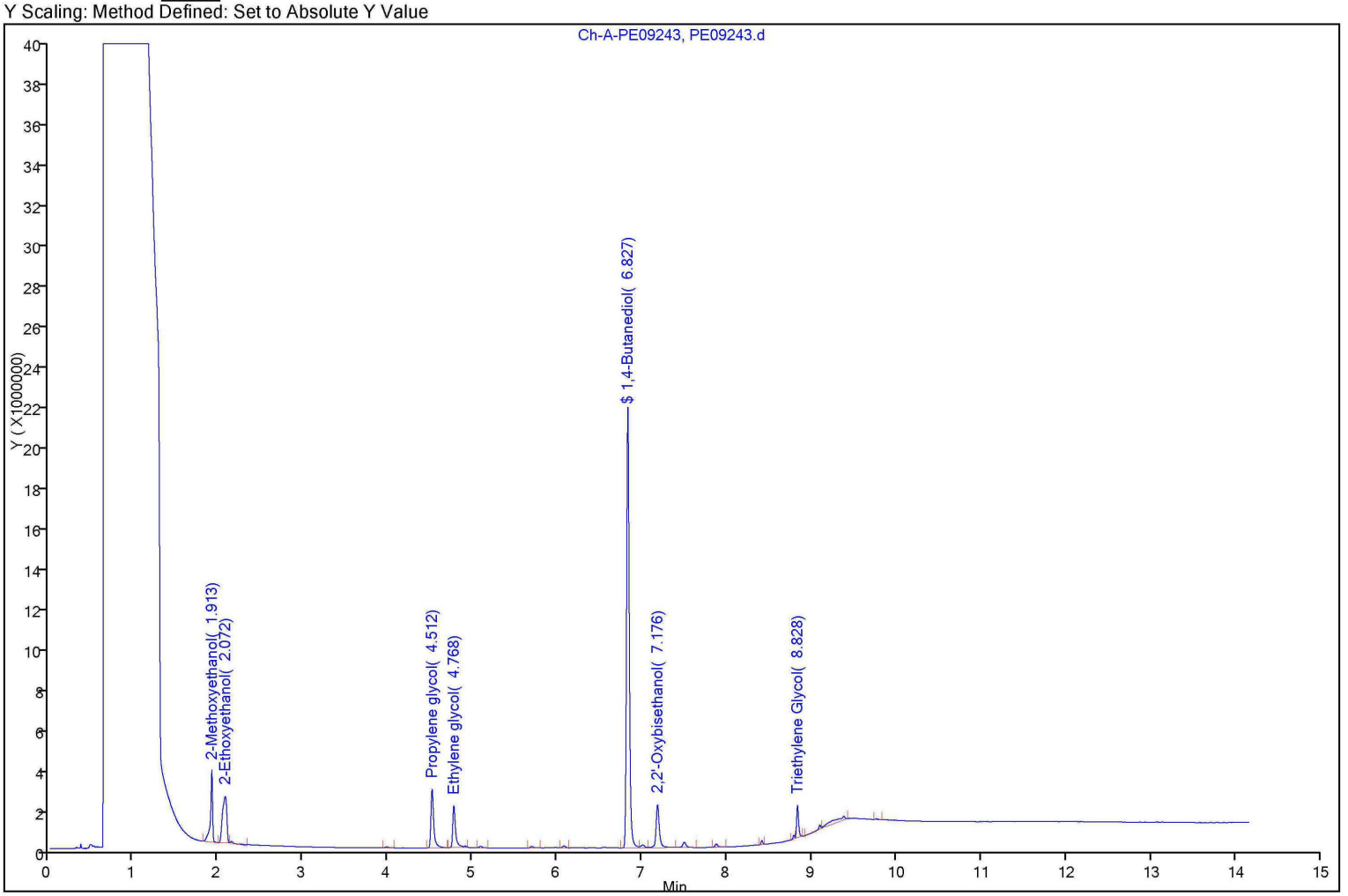
Data File:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09243.d		
Lims ID:	480-16102-A-12-C MSD	Client ID:	HW55
Inject. Date:	17-Feb-2012 14:37:07	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	#: Name: 480-16102-A-12-C MSD		
Misc. Info.:	Study: 480-0009588-022 Channel A: I/F Serial#, 665S10020401		
Operator:	[redacted]	Instrument ID:	PE-01
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	51962	Lims Sample ID:	22
Detector:	Ch-A-PE09243		

Method:	\\Bufchrom\ChromData\PE-01\20120217-9588.b\8015-Gly-PE01.m		
Last Update:	17-Feb-2012 13:06:11	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: [redacted] Date: 17-Feb-2012 15:02:21

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
6 2-Methoxyethanol					
1.913	1.908	0.005	6008601	10.5	
2 2-Ethoxyethanol					
2.072	2.067	0.005	7950351	10.5	
5 Propylene glycol					
4.512	4.509	0.003	6603585	10.3	
8 Ethylene glycol					
4.768	4.765	0.003	4832286	10.1	
$ 7 1,4-Butanediol					
6.827	6.823	0.004	48304328	52.6	
1 2,2'-Oxybisethanol					
7.176	7.173	0.003	5735544	10.6	
4 Triethylene Glycol					
8.828	8.829	-0.001	2548250	7.26	

Report Date: 17-Feb-2012 15:02:21 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\PE-01\20120217-9588.b\PE09243.d
Injection Date: 17-Feb-2012 14:37:07 Limit Group: GC 8015D DAI_GLY ICAL
Client ID: HW55 Instrument ID: PE-01
Lims Batch ID: 51962 Lims Sample ID: 22
Operator ID: [redacted] 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.: 480-16102-1

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.: 480-16102-1

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	PE09224.d	ZB-5 0.25(mm)
MB 480-51944/1-A		02/17/2012 08:57	1	PE09225.d	ZB-5 0.25(mm)
LCS 480-51944/2-A		02/17/2012 09:14	1	PE09226.d	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)
480-16102-1	FB15	02/17/2012 10:34	1	PE09229.d	ZB-5 0.25(mm)
480-16102-2	FB16	02/17/2012 10:51	1	PE09230.d	ZB-5 0.25(mm)
480-16102-3	HW16	02/17/2012 11:09	1	PE09231.d	ZB-5 0.25(mm)
480-16102-4	HW16-P	02/17/2012 11:26	1	PE09232.d	ZB-5 0.25(mm)
480-16102-5	HW16z	02/17/2012 11:43	1	PE09233.d	ZB-5 0.25(mm)
480-16102-6	HW27	02/17/2012 12:01	1	PE09234.d	ZB-5 0.25(mm)
CCV 480-51962/14		02/17/2012 12:18	1	PE09235.d	ZB-5 0.25(mm)
480-16102-7	HW27z	02/17/2012 12:35	1	PE09236.d	ZB-5 0.25(mm)
480-16102-8	HW36n	02/17/2012 12:53	1	PE09237.d	ZB-5 0.25(mm)
480-16102-9	HW36n-P	02/17/2012 13:10	1	PE09238.d	ZB-5 0.25(mm)
480-16102-10	HW54	02/17/2012 13:27	1	PE09239.d	ZB-5 0.25(mm)
480-16102-11	HW54-P	02/17/2012 13:45	1	PE09240.d	ZB-5 0.25(mm)
480-16102-12	HW55	02/17/2012 14:02	1	PE09241.d	ZB-5 0.25(mm)
480-16102-12 MS	HW55 MS	02/17/2012 14:19	1	PE09242.d	ZB-5 0.25(mm)
480-16102-12 MSD	HW55 MSD	02/17/2012 14:37	1	PE09243.d	ZB-5 0.25(mm)
CCV 480-51962/23		02/17/2012 14:54	1	PE09244.d	ZB-5 0.25(mm)
ZZZZZ		02/17/2012 15:11	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 15:29	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 15:46	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 16:03	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 16:20	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 16:38	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 16:55	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 17:12	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 17:30	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 17:47	1		ZB-5 0.25(mm)
CCV 480-51962/34		02/17/2012 18:04	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 18:21	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 18:39	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 18:56	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 19:13	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 19:31	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 19:48	1		ZB-5 0.25(mm)
ZZZZZ		02/17/2012 20:05	1		ZB-5 0.25(mm)
CCV 480-51962/42		02/17/2012 20:23	1		ZB-5 0.25(mm)

8015B

GC VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-16102-1

SDG No.:

Batch Number: 51944 Batch Start Date: 02/17/12 06:50 Batch Analyst: [redacted]

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 480-51944/1		8015 Prep, 8015B		.5 mL	1 mL		50 uL		
LCS 480-51944/2		8015 Prep, 8015B		.5 mL	1 mL	10 uL	50 uL		
480-16102-B-1	FB15	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-2	FB16	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-3	HW16	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-B-4	HW16-P	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-5	HW16z	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-B-6	HW27	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-B-7	HW27z	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-8	HW36n	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-B-9	HW36n-P	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-B-10	HW54	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-11	HW54-P	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-12	HW55	8015 Prep, 8015B	T	.5 mL	1 mL		50 uL		
480-16102-A-12 MS	HW55	8015 Prep, 8015B	T	.5 mL	1 mL	10 uL	50 uL		
480-16102-A-12 MSD	HW55	8015 Prep, 8015B	T	.5 mL	1 mL	10 uL	50 uL		

Batch Notes	
Methanol Lot Number	de997

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/13/2012
CarrierName: FedEx
AirbillNo: 7980 5367 6426

CHAIN OF CUSTODY RECORD

Project Code: TL01-11-12-001

No: 3-021312-155638-0206
Lab: Test America DIM
Lab Contact:
Lab Phone: [redacted]

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB15	Aqueous/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5073 (-NA- / 40mlGlassVial), 5074 (-NA- / 40mlGlassVial) (2)	FB15	02/10/2012 11:21	
FB16	Aqueous/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5263 (-NA- / 40mlGlassVial), 5264 (-NA- / 40mlGlassVial) (2)	FB16	02/13/2012 09:06	
HW16	Drinking Water/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	4979 (-NA- / 40mlGlassVial), 4980 (-NA- / 40mlGlassVial) (2)	HW16	02/10/2012 11:21	
HW16-P	Drinking Water/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5039 (-NA- / 40mlGlassVial), 5040 (-NA- / 40mlGlassVial) (2)	HW16-P	02/10/2012 11:37	
HW16z	Drinking Water/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5013 (-NA- / 40mlGlassVial), 5014 (-NA- / 40mlGlassVial) (2)	HW16	02/10/2012 11:22	
HW27	Drinking Water/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5195 (-NA- / 40mlGlassVial), 5196 (-NA- / 40mlGlassVial) (2)	HW27	02/13/2012 10:37	
HW27z	Drinking Water/[redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5229 (-NA- / 40mlGlassVial), 5230 (-NA- / 40mlGlassVial) (2)	HW27	02/13/2012 10:38	

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	[redacted]	2/13/12	[redacted]	2/14/12	1015						

2.7, 2.9
D2

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/13/2012
CarrierName: FedEx
AirbillNo: 7980 5367 6426

CHAIN OF CUSTODY RECORD

Project Code: TL01-11-12-001

No: 3-021312-155638-0206
Lab: Test America DIM
Lab Contact:
Lab Phone [redacted]

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW36n	Drinking Water/ [redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	4905 (-NA- / 40mlGlassVial), 4906 (-NA- / 40mlGlassVial) (2)	HW36n	02/10/2012 10:53	
HW36n-P	Drinking Water/ [redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	4931 (-NA- / 40mlGlassVial), 4932 (-NA- / 40mlGlassVial) (2)	HW36n-P	02/10/2012 11:02	
HW54	Drinking Water/ [redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5107 (-NA- / 40mlGlassVial), 5108 (-NA- / 40mlGlassVial) (2)	HW54	02/10/2012 14:08	
HW54-P	Drinking Water/ [redacted]	Grab	EthyGlycol(7), EthyGlycol(7)	5133 (-NA- / 40mlGlassVial), 5134 (-NA- / 40mlGlassVial) (2)	HW54-P	02/10/2012 14:30	
HW55	Drinking Water/ [redacted]	Grab	EthyGlycol(7), EthyGlycol(7), EthyGlycol(7), EthyGlycol(7)	5297 (-NA- / 40mlGlassVial), 5298 (-NA- / 40mlGlassVial), 5312 (-NA- / 40mlGlassVial), 5313 (-NA- / 40mlGlassVial) (4)	HW55	02/13/2012 10:21	

Sample(s) to be used for Lab QC: HW55

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
12	[redacted]	2/13/12	[redacted]	2/14/12	1015						

7.7, 7.9
#2

Login Sample Receipt Checklist

Client: Techlaw, Inc

Job Number: 480-16102-1

Login Number: 16102

List Source: TestAmerica Buffalo

List Number: 1

Creator: [redacted]

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	