



Dissolved Gasses Case Narrative

Colorado Oil & Gas Conservation Commission Complaint 200323492

Work Order Number: 1110046

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 10/05/2011.

The sample was free of headspace prior to analysis.

The sample had a pH > 2 at the time of analysis.

2. The sample was prepared and analyzed according to method RSK-175 procedures and SOP449R0.
3. The preparation batch included a method blank, laboratory control sample, laboratory control sample duplicate, and sample duplicate. Per method requirements, matrix QC was performed for this analysis. The following is a list of samples used for the matrix QC:

Sample ID	QC Type	Batch ID
1110046-1	DUP	HC111014-9a

All preparation QC were within the acceptance criteria.

4. The sample was associated with one or more of the following analytical QC: initial calibrations, initial calibration verifications (ICV), and continuing calibration verifications (CCV).
5. All analytical QC were within the acceptance criteria.
6. Sample dilutions were not required for the requested analysis.
7. The sample was prepared and analyzed within the established holding time.



8. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 4. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Mindy Norton
Mindy Norton
Organics Primary Data Reviewer

10.21.11
Date

Joel Nolte
Organics Final Data Reviewer

10-24-11
Date



ALS
Data Qualifier Flags
Chromatography and Mass Spectrometry

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the data indicate the presence of a compound that meets the identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is outside the control criteria.
- +:** This flag indicates that the relative percent difference (RPD) exceeds the control criteria.



Chain of Custody

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

Client Project Name: Complaint 200323492

Client Project Number:

Client PO Number: PHA 12-10

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
705323 Dahl	1110046-1		WATER	04-Oct-11	12:31
705323 Dahl	1110046-2		WATER	04-Oct-11	12:31



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
T: 800-443-1511 PH: 970-499-1511 FAX: 970-499-1512

Chain-of-Custody

WORKORDER # 1110046		Form 20218	
PROJECT NAME	COMPONENT 266 275493	DATE	4/24/2011
PROJECT No.		TURNAROUND	72 Hrs
COMPANY NAME	Colorado Environmental Services	By Lab	or Return to Client
END REPORT TO	Peter Ginter	DISPOSAL	
ADDRESS	PO Box 106		
CITY/STATE/ZIP	Fort Collins, CO 80524		
PHONE	970-499-3091		
FAX			
E-MAIL	peter.ginter@coloradoenv.com		

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC
①	705323 Dahl	W	4/24/11	12:29	3	1	X
				12:31	1	2	X
					1	3	X
					1	4	X
					7	5	X
	Reaper JIP mlls, #8, S						
	Reaper JIP mlls + debris						
	10-25" bottle = entire dig + debris						

SIGNATURE	PRINTED NAME	DATE	TIME
Peter Ginter	Peter Ginter	4/24/11	16:45
Lauren Schmitz	Lauren Schmitz	10/5/11	10:20

Zone (Color): EST CST MST PST Matrix O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

metals or anions, please detail analytes below.

Comments:	Analysis = heavy metals, organics, nutrients, pH, etc. and provide report receipt
QC PACKAGE (check below)	
LEVEL 1: Standard QC	
LEVEL 2: Std QC + forms	
LEVEL 3: Std QC + forms + raw data	X

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: LOGCC

Workorder No: 1110046
Initials: LAS Date: 10/5/11

Project Manager: ARW

Initials: LAS Date: 10/25/11

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	NO
2. Are custody seals on shipping containers intact?	NONE	YES	NO
3. Are Custody seals on sample containers intact?	NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		YES	NO
5. Are the COC and bottle labels complete and legible ?		YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	YES	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES	NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	YES	NO
10. Is there sufficient sample for the requested analyses?		YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		YES	NO
12. Are all samples within holding times for the requested analyses?		YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)		YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: _____ < green pea _____ > green pea	N/A	YES	NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	N/A	YES	NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	N/A	YES	NO
17. Were the samples shipped on ice ?		YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: #2 #4	RAD ONLY	YES
Cooler #:	1		
Temperature (°C):	5.2		
No. of custody seals on cooler:	1		
External µR/hr reading:	13		
Background µR/hr reading:	12		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES NO / NA (If no, see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: (Signature) 10/7/11

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

Form 201r22.xls (6/1/09)

1110046

PETER GINTAUTAS 719-846-3091 COLORADO OIL & GAS CONSERVATIO 213 CORUNDUM RD TRINIDAD CO 81082		40 LBS	2 OF 2
SHIP TO: AMY WOLF 970-490-1511 ALS LABORATORY GROUP 225 COMMERCE DRIVE FORT COLLINS CO 80524-2762		DWT: 25,13	0201
	CO 805 0-01		
UPS NEXT DAY AIR		1	
TRACKING #: 1Z 014 8WR 01 9337 6560			
			
BILLING: P/P			
Reference#1: EPA frac Study			
US 13.6.08		WNTZ90 18.0A 07/2011	
			

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Analytical Results

Dissolved Gasses

Method RSK175

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: HC111014-9AMB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 14-Oct-11

Date Analyzed: 14-Oct-11

Prep Method: METHOD

Prep Batch: HC111014-9A

QCBatchID: HC111014-9A-1

Run ID: HC111014-9A

Cleanup: NONE

Basis: N/A

File Name: 03975.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
74-82-8	METHANE	1	1	1	U	
74-85-1	ETHENE	1	1	1	U	
74-84-0	ETHANE	1	2	2	U	

Data Package ID: MEE1110046-1

Dissolved Gasses

Method RSK175

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID: 705323 Dahl

Lab ID: 1110046-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 04-Oct-11

Date Extracted: 14-Oct-11

Date Analyzed: 14-Oct-11

Prep Method: METHOD

Prep Batch: HC111014-9A

QCBatchID: HC111014-9A-1

Run ID: HC111014-9A

Cleanup: NONE

Basis: As Received

File Name: 03976.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
74-82-8	METHANE	1	4.1	1		
74-85-1	ETHENE	1	1	1	U	
74-84-0	ETHANE	1	2	2	U	

Data Package ID: MEE1110046-1

Date Printed: Thursday, October 20, 2011

ALS Environmental -- FC

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Supporting QA/QC Data

Dissolved Gasses

Method RSK175

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Lab ID: HC111014-9ALCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/14/2011
Date Analyzed: 10/14/2011
Prep Method: METHOD

Prep Batch: HC111014-9A
QCBatchID: HC111014-9A-1
Run ID: HC111014-9A
Cleanup: NONE
Basis: N/A
File Name: 03974.dat

Sample Aliquot: 38.5 ml
Final Volume: 38.5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
74-82-8	METHANE	142	135	1		95	80 - 120%
74-85-1	ETHENE	249	224	1		90	80 - 120%
74-84-0	ETHANE	267	236	2		88	80 - 120%

Lab ID: HC111014-9ALCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/14/2011
Date Analyzed: 10/14/2011
Prep Method: METHOD

Prep Batch: HC111014-9A
QCBatchID: HC111014-9A-1
Run ID: HC111014-9A
Cleanup: NONE
Basis: N/A
File Name: 03978.dat

Sample Aliquot: 38.5 ml
Final Volume: 38.5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
74-82-8	METHANE	142	135	1		95	25	0
74-85-1	ETHENE	249	225	1		90	25	1
74-84-0	ETHANE	267	236	2		88	25	0

Data Package ID: MEE1110046-1

Dissolved Gasses

Method RSK175

Duplicate Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1110046

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200323492

Field ID: 705323 Dahl

Lab ID: 1110046-1D

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 10/04/2011

Date Extracted: 10/14/2011

Date Analyzed: 10/14/2011

Prep Batch: HC111014-9A

QCBatchID: HC111014-9A-1

Run ID: HC111014-9A

Cleanup: NONE

Basis: As Received

File Name: 03977.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
74-82-8	METHANE	4.1		3.42		1	1	19	25
74-85-1	ETHENE	1	U	1	U	1	1		25
74-84-0	ETHANE	2	U	2	U	2	1		25

Data Package ID: MEE1110046-1

Date Printed: Thursday, October 20, 2011

ALS Environmental -- FC

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LIMS Version: 6.537

Prep Batch ID: HC111014-9A

Start Date: 10/14/11

End Date: 10/14/11

Concentration Method: NONE

Batch Created By: dms

Start Time: 12:00

End Time: 13:00

Extract Method: METHOD

Date Created: 10/17/11

Prep Analyst: Dan Sheneman

Initial Volume Units: ml

Time Created: 13:12

Comments:

Final Volume Units: ml

Validated By: dms

Date Validated: 10/17/11

Time Validated: 13:16

QC Batch ID: HC111014-9A-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HC111014-9A	MB	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	1110046
HC111014-9A	LCS	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	1110046
HC111014-9A	LCSD	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	1110046
1110046-1	DUP	705323 Dahl	WATER	10/4/2011	38.5	38.5	NONE	1	1110046
1110046-1	SMP	705323 Dahl	WATER	10/4/2011	38.5	38.5	NONE	1	1110046

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
RVS	Reporting Level Verification Standar	SMP	Field Sample
SYS	Sample Yield Spike		

Calibration ID: mee090331

Instrument ID: GC9

Calibration Date: 3/31/2009 2:14:57 PM

ALS Paragon

Initial Calibration Report

FileName: \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01046.dat											Curve		Higher Order Equation					
Analyte	Cal LVL ID:	1	2	3	4	5	6	7	8	9	Avg CF	LSQ Wt	%RSD	Type	R2	Quad Term	Slope	Intercept
FID 1																		
Methane		4005.272	2212.412	1992.787	1726.169	1752.959	1451.621	1406.082			2078.1861	1/Amount		Quadratic	1.000	-0.018938	1716.774	1475.221
Ethene		1779.474	1303.265	1279.49	1157.297	1184.208	967.7176	925.6072			1228.1511	1/Amount		Quadratic	1.000	-0.008325	1167.187	729.9680
Ethane		2506.327	1848.802	1805.23	1631.438	1659.003	1369.068	1330.806			1735.8107	1/Amount		Quadratic	1.000	-0.009422	1619.193	1213.057

Data Package ID:

Dissolved Gases (RSK175) Calibration Verification Summary

ALS/Paragon

Acq. Sequence : \\gcserver\gcddata\Projects\GC9\Sequence\2009\mee090331.seq

Instrument : GC9

Data Acquired By : sheneman

Data Processed By : sheneman

Methane

(nom. conc. = 139.955 ppb)

Ethene

(nom. conc. = 244.922 ppb)

Sample	Filename	Exp.	RT	Dev.	Avg RF	Conc.	Nom.	% Rec.	Exp.	RT	Dev.	Avg RF	Conc.	Nom.	% Rec.
		RT (min.)					Conc. ug/L		Conc. ug/L						
MFF 1000 ...	01046.dat	1.558	1.558	0.000	2078.186	144.661	142.253	102	1.747	1.747	0.000	1228.151	247.658	248.943	99

Ethane

(nom. conc. = 262.416 ppb)

Sample	Filename	Exp.	RT	Dev.	Avg RF	Conc.	Nom.	% Rec.
		RT (min.)					Conc. ug/L	
MEE 1000 ...	01046.dat	1.847	1.847	0.000	1735.811	255.114	266.725	96

Dissolved Gases (RSK175) Calibration Verification Summary

ALSLG-Fort Collins

Acq. Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Instrument : GC9

Data Acquired By : sheneman

Data Processed By : sheneman

Methane

(nom. conc. = 142.253 ppb)

Ethene

(nom. conc. = 248.943 ppb)

Sample	Filename	Exp. RT (min.)	RT	Dev.	Avg RF ✓	Conc. ug/L	Nom. Conc.	% Rec.	Exp. RT (min.)	RT	Dev.	Avg RF ✓	Conc. ug/L	Nom. Conc.	% Rec.
HC111014-9CCS	03945.dat	1.353	1.363	0.010	2078.186	143.554	142.253	101	1.515	1.525	0.010	1228.151	241.981	248.943	97
HC111014-9CCSD	03960.dat	1.353	1.362	0.009	2078.186	143.083	142.253	101	1.515	1.523	0.008	1228.151	242.588	248.943	97
HC111014-9ACCS	03974.dat	1.353	1.360	0.007	2078.186	135.092	142.253	95	1.515	1.522	0.007	1228.151	223.850	248.943	90
HC111014-9ACCSD	03978.dat	1.353	1.360	0.007	2078.186	134.920	142.253	95	1.515	1.522	0.007	1228.151	225.000	248.943	90

Ethane

(nom. conc. = 266.725 ppb)

Sample	Filename	Exp. RT (min.)	RT	Dev.	Avg RF ✓	Conc. ug/L	Nom. Conc.	% Rec.
HC111014-9CCS	03945.dat	1.600	1.610	0.010	1735.811	253.920	266.725	95
HC111014-9CCSD	03960.dat	1.600	1.608	0.008	1735.811	252.629	266.725	95
HC111014-9ACCS	03974.dat	1.600	1.607	0.007	1735.811	235.885	266.725	88
HC111014-9ACCSD	03978.dat	1.600	1.607	0.007	1735.811	236.010	266.725	88



Supporting Raw Data

Dissolved Gases (RSK175) Sequence Log

Logbook No. / Page : 3622 / 50

ICV file # : 6901046

Analytical Method : RSK-175 SOP : 449r0

Data Acquired By : sheneman

Data Processed By : sheneman

Instrument : GC9

(1st file) Acq. Date : 3/31/2009 12:46:52 PM

(1st file) Data Path : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01038.dat

Sequence File : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Acq. Method Path : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

QC Name	Std ID #	Spike Vol. Added (uL)	Final Std Vol. (uL)
CCV (LCS)	ST090316-3	1000	38500
MS	ST090316-3	100	38500
ICV	ST090331-10	1000	38500

Temp. = 21.0 C
Atm. Pressure = 836.00 mbar
Final Sample Vol. = 38.50 mL
Headspace Vol. = 4.0 mL

Data File	Acq. Method	Sample	Head Space?	pH <= 2?	RR?	Comments
01038.dat	mee090331.met	Instrument Blank	Y/N	Y/N	Y/N	CRL
01039.dat	mee090331.met	MEE 4 uL 1% → 4.0mL	Y/N	Y/N	Y/N	ST090316-3
01040.dat	mee090331.met	MEE 25 uL 1% → 4.0mL	Y/N	Y/N	Y/N	
01041.dat	mee090331.met	MEE 100 uL 1% → 4.0mL	Y/N	Y/N	Y/N	
01042.dat	mee090331.met	MEE 1000 uL 1% → 4.0mL	Y/N	Y/N	Y/N	
01043.dat	mee090331.met	MEE 300 uL 30% → 4.0mL	Y/N	Y/N	Y/N	ST080415-2
01044.dat	mee090331.met	MEE 3000 uL 30% → 4.0mL	Y/N	Y/N	Y/N	
01045.dat	mee090331.met	MEE 4000 uL 30% → 4.0mL	Y/N	Y/N	Y/N	
01046.dat	mee090331.met	MEE 1000 uL 1% ICV → 4.0mL	Y/N	Y/N	Y/N	PASS ST090331-10

Analytical Method : RSK-175 SOP : 449r0

Data Acquired By : sheneman

Data Processed By : sheneman

Instrument : GC9
(1st file) Acq. Date : 10/14/2011 1:35:13 PM
(1st file) Data Path : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03944.dat
Sequence File : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq
Acq. Method Path : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.met

QC Name	Std ID #	Spike Vol. Added (uL)	Final Std Vol. (uL)
CCV (LCS)	ST100211-2	1000	38500
MS	st100211-2	100	38500
ICV	ST090331-10	1000	38500

Temp. = 19.0 C
Atm. Pressure = 848 mbar
Final Sample Vol. = 38.5 mL
Headspace Vol. = 4.0 mL

Data File	Acq. Method	Sample	Head Space?	pH <= 2?	RR?	Comments
03944.dat	mee090331Ap.met	Instrument Blank	Y/N	Y/N	Y/N	CRL
03945.dat	mee090331Ap.met	HC111014-9CCS	Y/N	Y/N	Y/N	PASS
03946.dat	mee090331Ap.met	HC111014-9MB	Y/N	Y/N	Y/N	CRL
03947.dat	mee090331Ap.met	frig blank 09/21/11	Y/N	Y/N	Y/N	CRL
03948.dat	mee090331Ap.met	1110054-2	Y/N	Y/N	Y/N	
03949.dat	mee090331Ap.met	1110054-3	Y/N	Y/N	Y/N	
03950.dat	mee090331Ap.met	1110054-4	Y/N	Y/N	Y/N	
03951.dat	mee090331Ap.met	1110054-5	Y/N	Y/N	Y/N	
03952.dat	mee090331Ap.met	1110054-5DUP	Y/N	Y/N	Y/N	
03953.dat	mee090331Ap.met	1110054-5MS	Y/N	Y/N	Y/N	
03954.dat	mee090331Ap.met	1110054-6	Y/N	Y/N	Y/N	
03955.dat	mee090331Ap.met	1110017-1	Y/N	Y/N	Y/N	
03956.dat	mee090331Ap.met	1110017-1 2X	Y/N	Y/N	Y/N	
03957.dat	mee090331Ap.met	1110017-4	Y/N	Y/N	Y/N	
03958.dat	mee090331Ap.met	1110017-5	Y/N	Y/N	Y/N	
03959.dat	mee090331Ap.met	1110017-5 2X	Y/N	Y/N	Y/N	
03960.dat	mee090331Ap.met	HC111014-9CCSD	Y/N	Y/N	Y/N	PASS
03961.dat	mee090331Ap.met	1110023-1	Y/N	Y/N	Y/N	
03962.dat	mee090331Ap.met	1110023-2	Y/N	Y/N	Y/N	
03963.dat	mee090331Ap.met	1110023-3	Y/N	Y/N	Y/N	
03964.dat	mee090331Ap.met	1110023-4	Y/N	Y/N	Y/N	
03965.dat	mee090331Ap.met	1110023-5	Y/N	Y/N	Y/N	
03966.dat	mee090331Ap.met	1110023-6	Y/N	Y/N	Y/N	
03967.dat	mee090331Ap.met	1110051-2	Y/N	Y/N	Y/N	
03968.dat	mee090331Ap.met	1110051-3	Y/N	Y/N	Y/N	
03969.dat	mee090331Ap.met	1110051-4	Y/N	Y/N	Y/N	
03970.dat	mee090331Ap.met	1110051-5	Y/N	Y/N	Y/N	
03971.dat	mee090331Ap.met	1110051-6	Y/N	Y/N	Y/N	
03972.dat	mee090331Ap.met	1110041-1	Y/N	Y/N	Y/N	
03973.dat	mee090331Ap.met	1110041-1 2X	Y/N	Y/N	Y/N	
03974.dat	mee090331Ap.met	HC111014-9ACCS	Y/N	Y/N	Y/N	PASS
03975.dat	mee090331Ap.met	HC111014-9AMB	Y/N	Y/N	Y/N	
03976.dat	mee090331Ap.met	1110046-1	Y/N	Y/N	Y/N	
03977.dat	mee090331Ap.met	1110046-1DUP	Y/N	Y/N	Y/N	
03978.dat	mee090331Ap.met	HC111014-9ACCSD	Y/N	Y/N	Y/N	PASS



Calibration Raw Data

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 4 uL 1%

Filename : \\gcserver\gcddata\Projects\GC9\Data\2009\mee090331\01039.dat

Acquisition Date : 3/31/2009 12:53:19 PM

Quantitation Date : 3/31/2009 4:06:55 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcddata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcddata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST090316-3 EXPIRES: 10/02/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

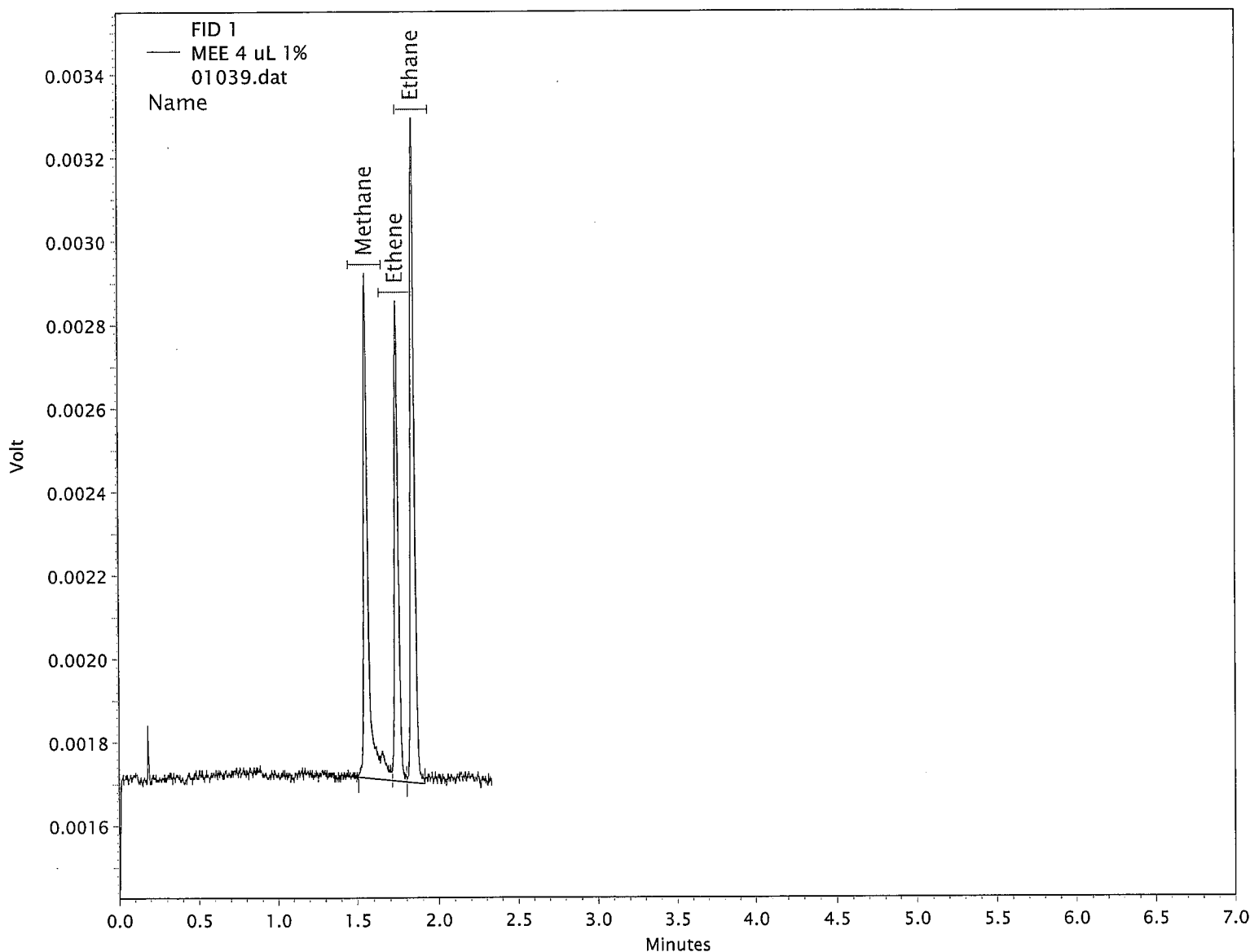
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.558	1.558	2279	BV	0.47	ug/L
Ethene	1.745	1.747	1772	VV	0.89	ug/L
Ethane	1.845	1.847	2674	VB	0.90	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 25 uL 1%

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01040.dat

Acquisition Date : 3/31/2009 12:56:52 PM

Quantitation Date : 3/31/2009 4:06:56 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST090316-3 EXPIRES: 10/02/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

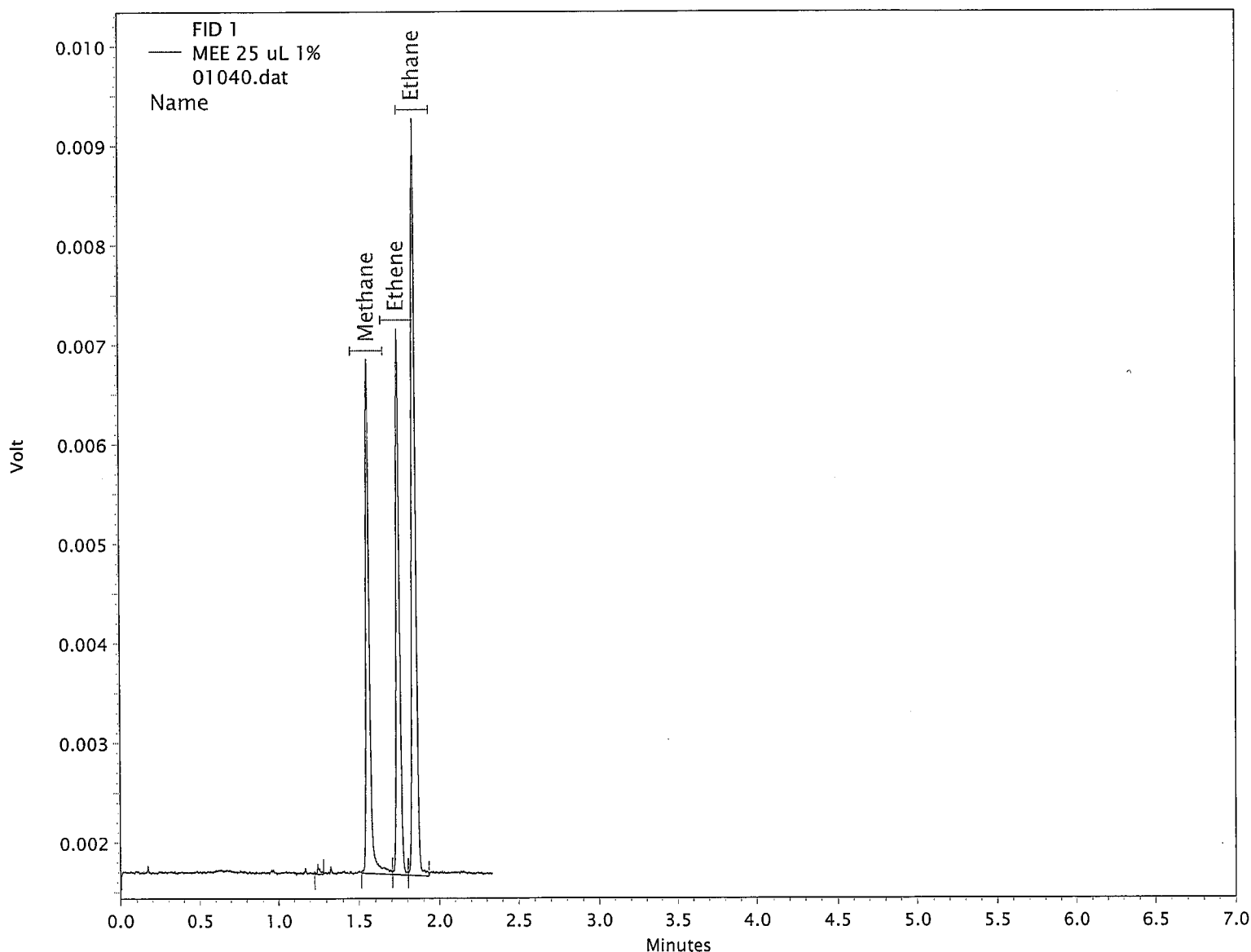
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.558	1.558	7868	BV	3.72	ug/L
Ethene	1.745	1.747	8111	VV	6.32	ug/L
Ethane	1.845	1.847	12328	VB	6.86	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 100 uL 1%

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01041.dat

Acquisition Date : 3/31/2009 1:00:18 PM

Quantitation Date : 3/31/2009 4:06:58 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST090316-3 EXPIRES: 10/02/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

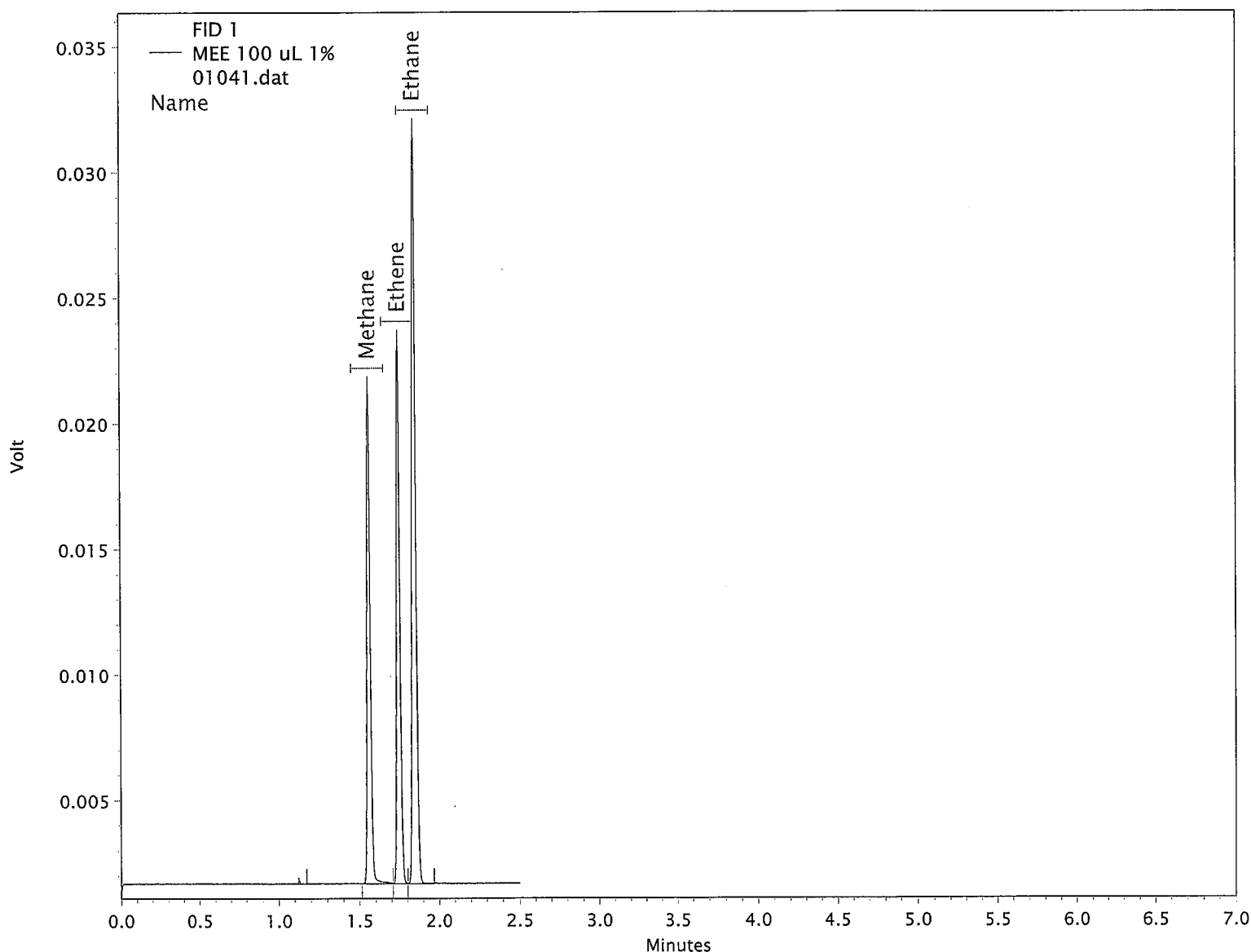
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.560	1.558	28348	BV	15.66	ug/L
Ethene	1.748	1.747	31852	VV	26.67	ug/L
Ethane	1.848	1.847	48150	VB	28.99	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) 8=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 1000 uL 1%

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01042.dat

Acquisition Date : 3/31/2009 1:03:58 PM

Quantitation Date : 3/31/2009 4:06:59 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST090316-3 EXPIRES: 10/02/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

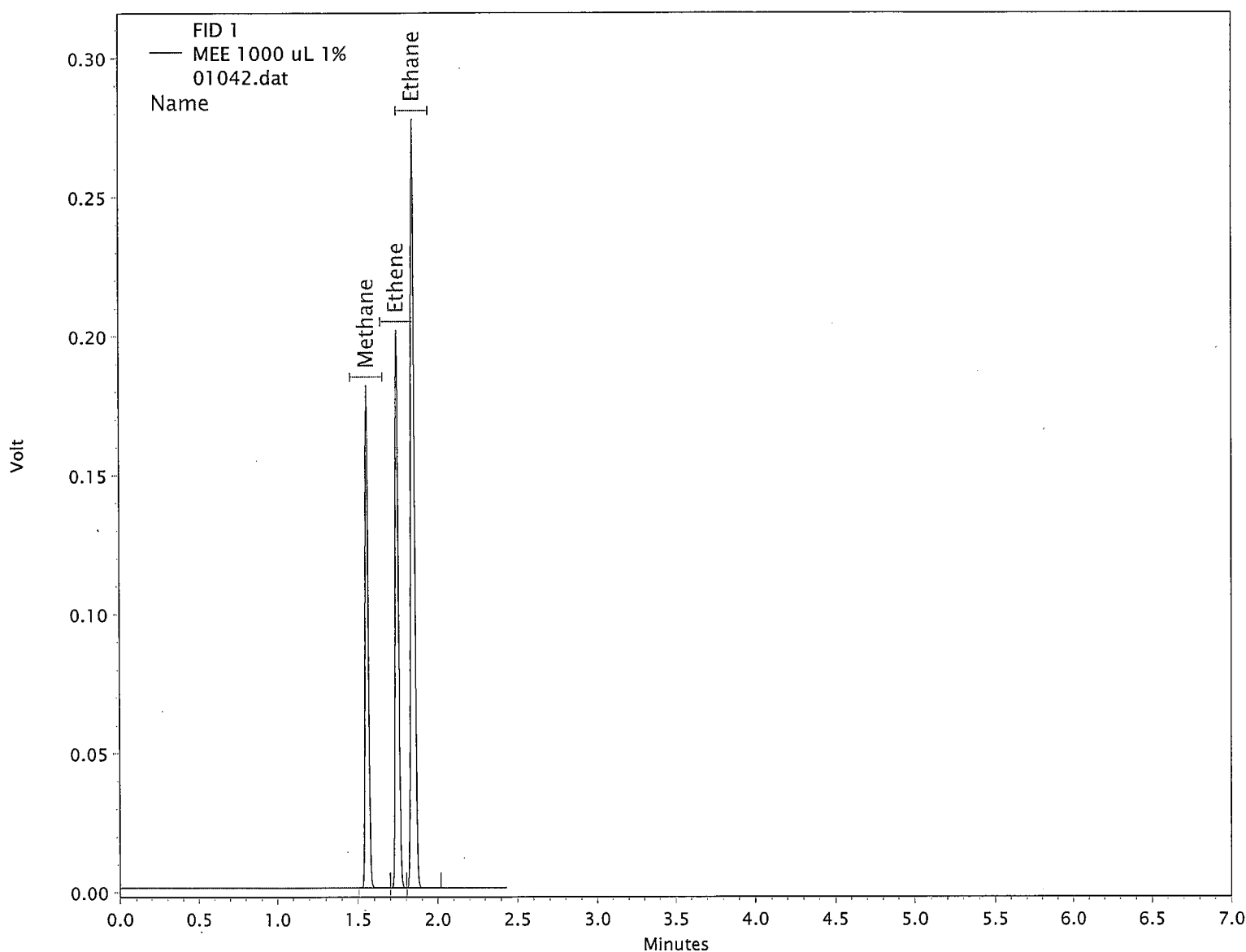
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.558	1.558	245553	BV	142.40	ug/L
Ethene	1.747	1.747	288101	VV	246.64	ug/L
Ethane	1.847	1.847	435145	VB	268.41	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 3/31/2009 4:06:59 PM

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 300 uL 30%

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01043.dat

Acquisition Date : 3/31/2009 1:07:38 PM

Quantitation Date : 3/31/2009 4:07:02 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST080415-2 EXPIRES: 04/08/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

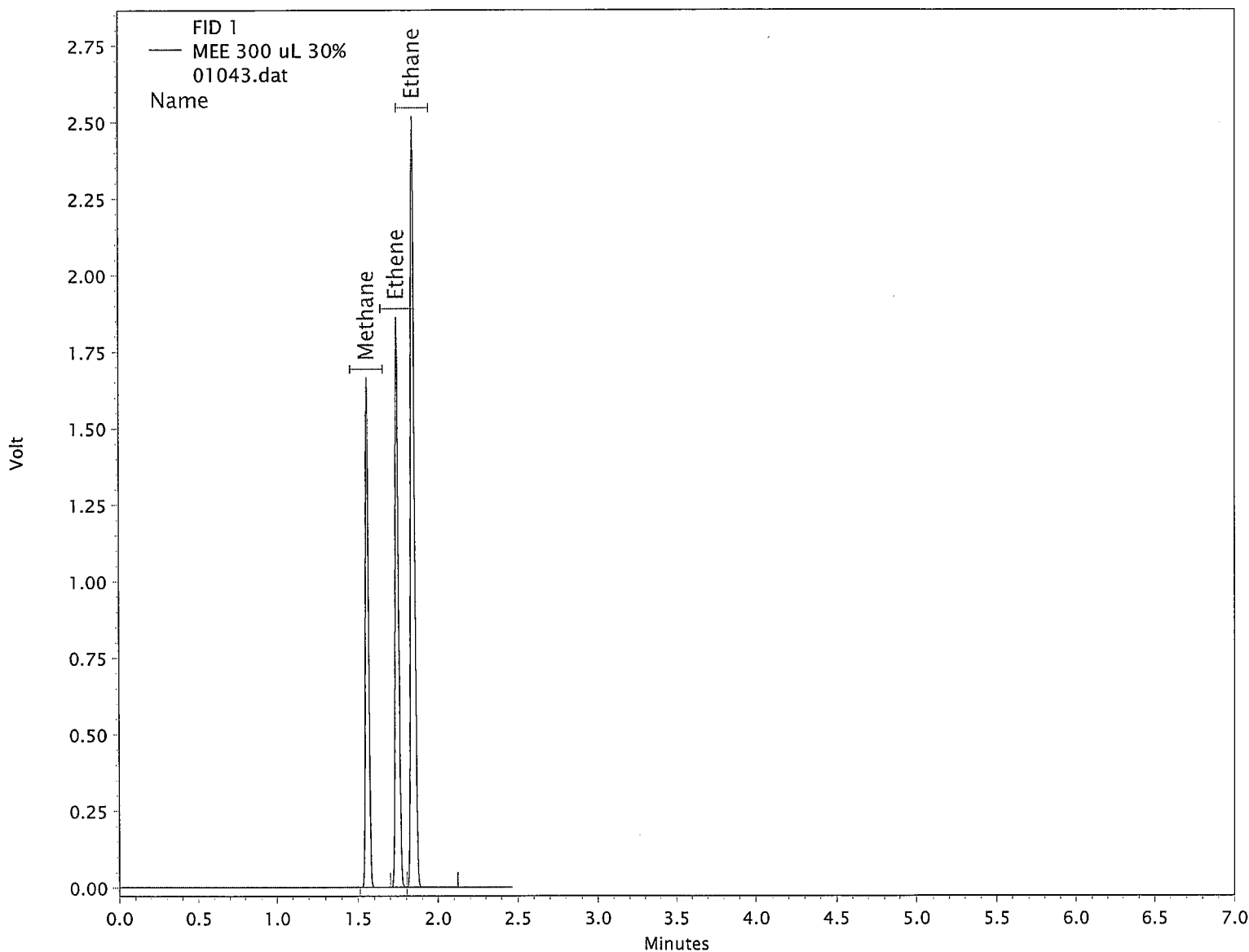
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.558	1.558	2244277	BV	1325.79	ug/L
Ethene	1.745	1.747	2653204	VV	2310.62	ug/L
Ethane	1.845	1.847	3982474	VR	2495.02	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 3/31/2009 4:07:03 PM

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 3000 uL 30%

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01044.dat

Acquisition Date : 3/31/2009 1:11:15 PM

Quantitation Date : 3/31/2009 4:07:04 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST080415-2 EXPIRES: 04/08/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

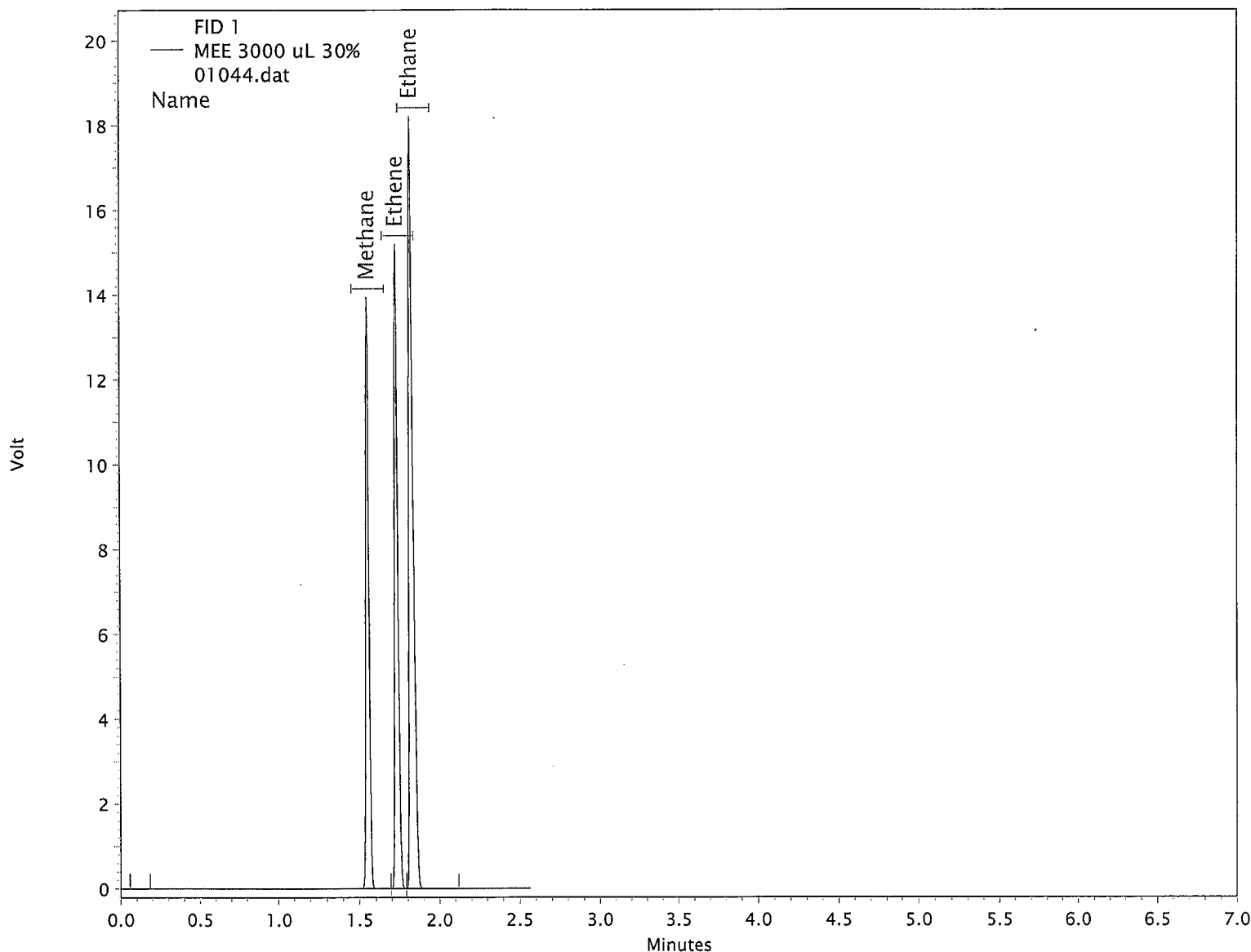
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.552	1.558	18584800	BB	12566.57	ug/L
Ethene	1.730	1.747	21681596	BV	22040.24	ug/L
Ethane	1.818	1.847	32864801	VR	23513.53	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 3/31/2009 4:07:04 PM

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 4000 uL 30%

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01045.dat

Acquisition Date : 3/31/2009 1:15:27 PM

Quantitation Date : 3/31/2009 4:07:05 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : ST080415-2 EXPIRES: 04/08/2010

Instrument : GC9 (Offline)

Data Acquired By : sheneman

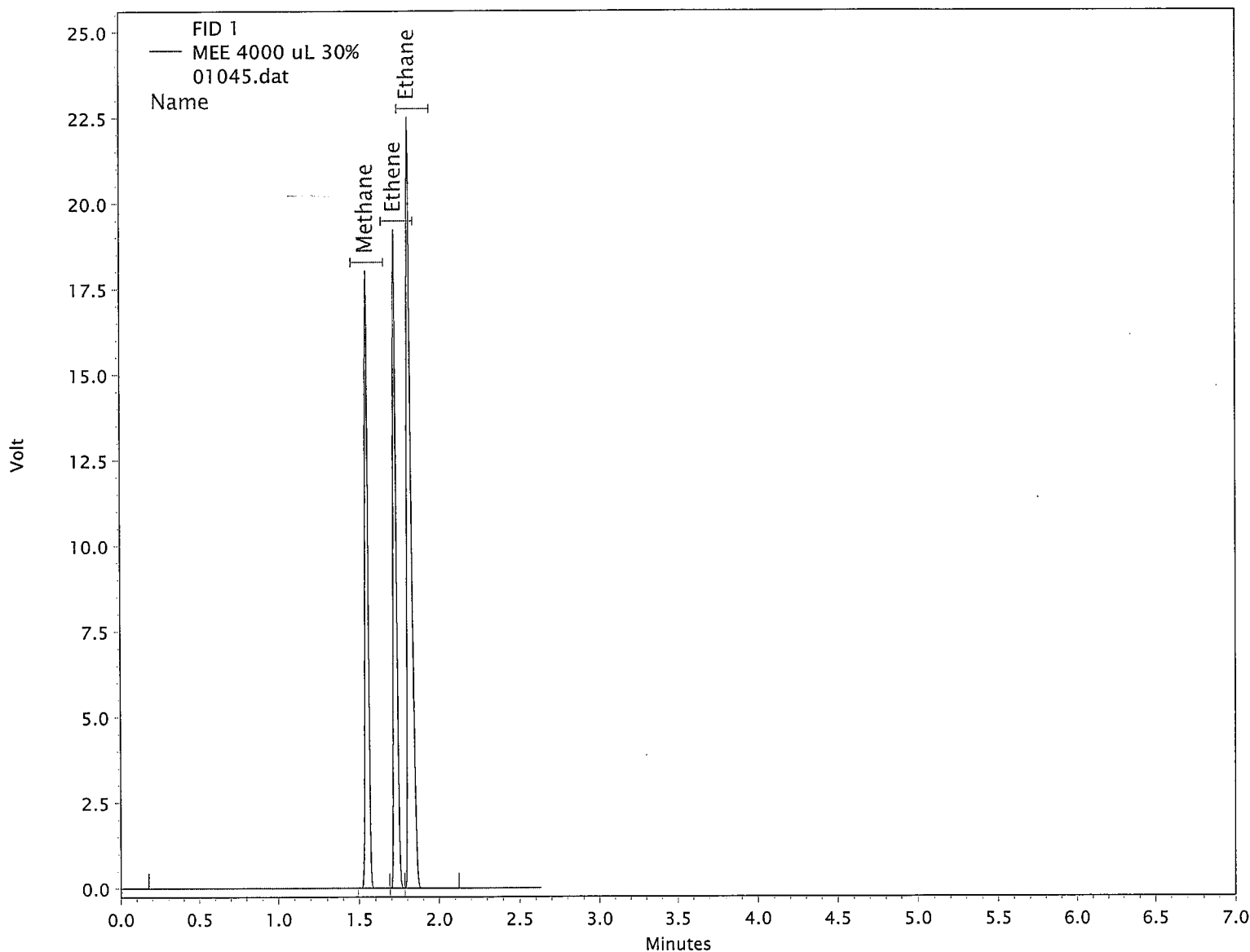
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.548	1.558	24002354	BB	17270.43	ug/L
Ethene	1.723	1.747	27650822	BV	30191.09	ug/L
Ethane	1.810	1.847	42595078	VR	32422.77	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 3/31/2009 4:07:05 PM

29 of 39

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : MEE 1000 uL 1% ICV

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090331\01046.dat

Acquisition Date : 3/31/2009 2:14:57 PM

Quantitation Date : 3/31/2009 4:13:01 PM

Last Method Update : 3/31/2009 3:15:34 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2009\mee090331.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090331.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

Data Processed By : sheneman

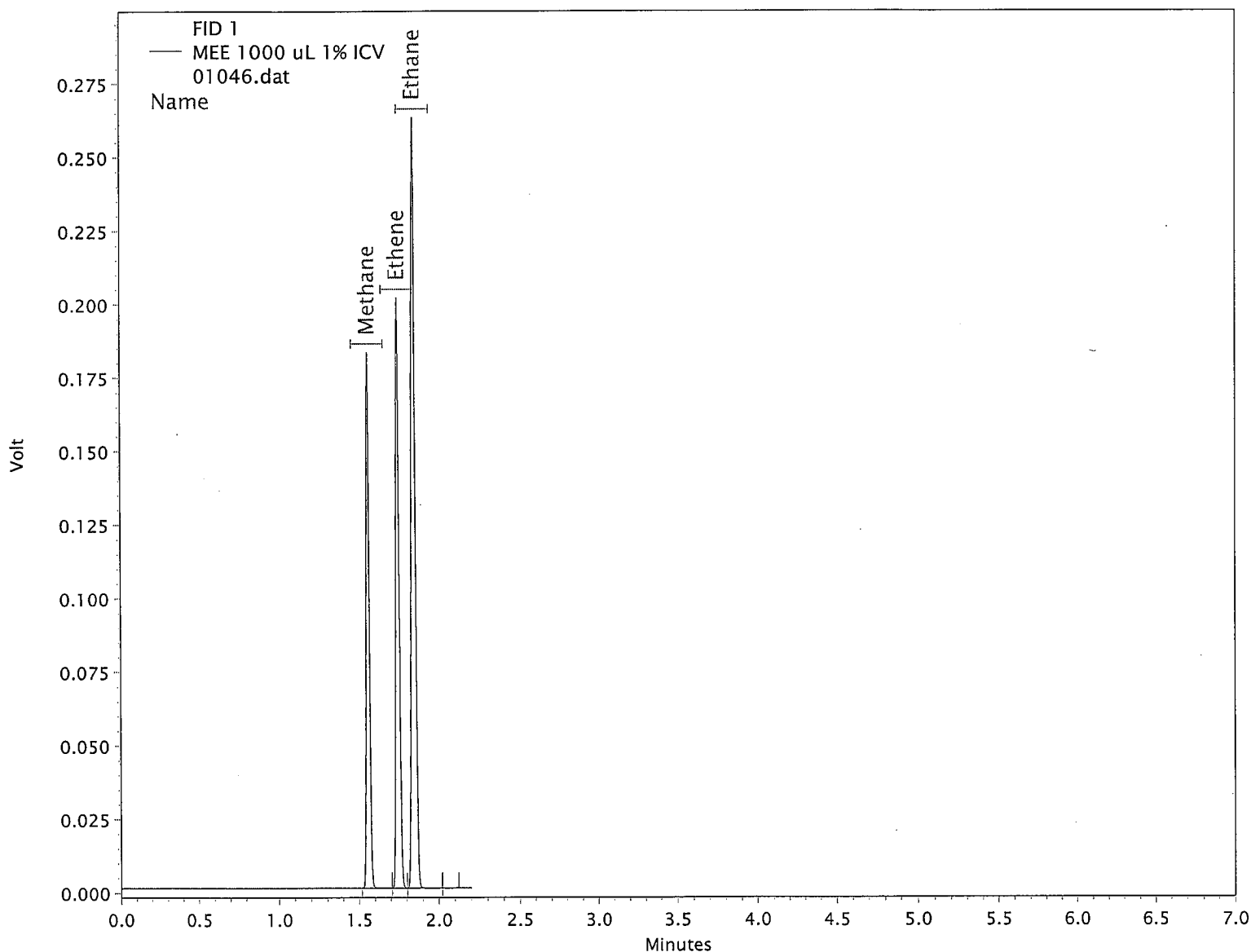
Inj. Vol. (uL) : 300

Vial : N/A

ST090331-10 Expires: 04-21-2010

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.558	1.558	249430	BV	144.66 162%	ug/L
Ethene	1.747	1.747	289282	VV	247.66 99%	ug/L
Ethane	1.847	1.847	413679	VV	255.11 96%	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 3/31/2009 4:13:02 PM

Dissolved Gases Quantitation Report

ASLGG-Fort Collins

Sample : HC111014-9ACCS

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03974.dat

Acquisition Date : 10/14/2011 3:45:39 PM

Quantitation Date : 10/17/2011 12:03:34 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

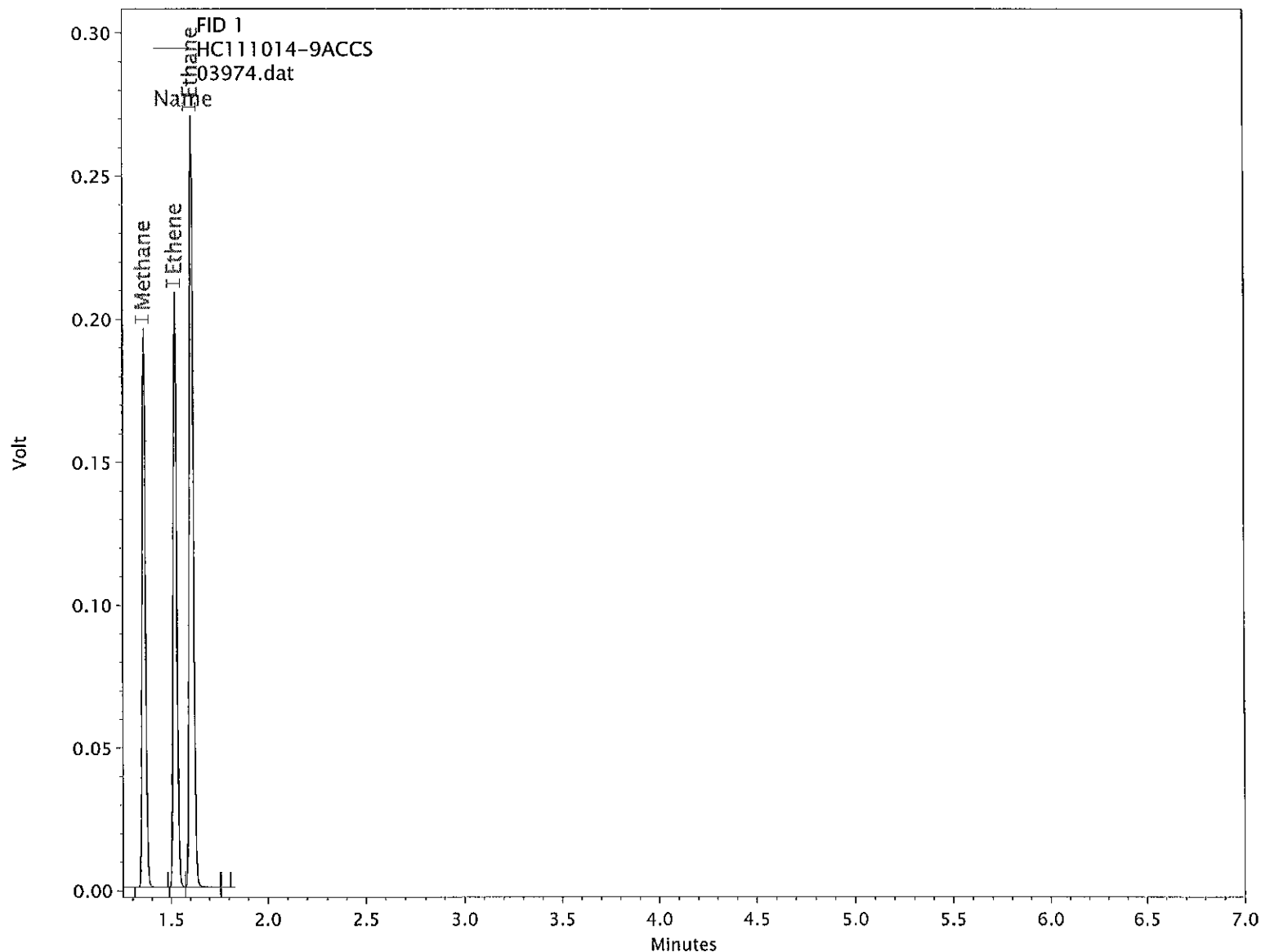
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.360	1.353	233052	BB	135.09	ug/L
Ethene	1.522	1.515	261587	BV	223.85	ug/L
Ethane	1.607	1.600	382632	VB	235.88	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:34 PM

Dissolved Gases Quantitation Report

ALSLG-Fort Collins

Sample : HC111014-9ACCSD

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03978.dat

Acquisition Date : 10/14/2011 4:06:49 PM

Quantitation Date : 10/17/2011 12:03:46 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.mef

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

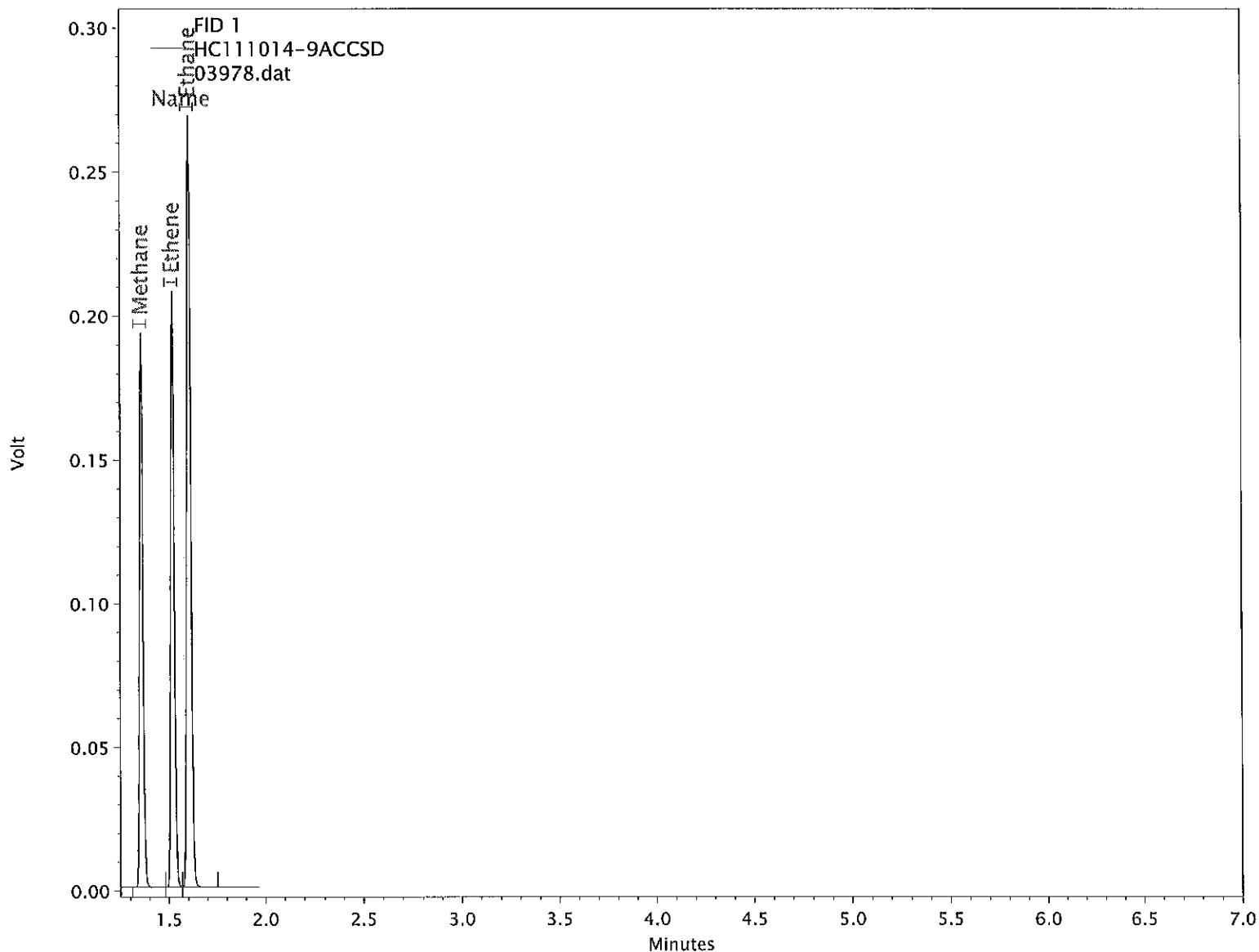
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.360	1.353	232757	BV	134.92	ug/L
Ethene	1.522	1.515	262926	VV	225.00	ug/L
Ethane	1.607	1.600	382834	VB	236.01	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, i=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:47 PM



Sample Raw Data

Dissolved Gases Quantitation Report

ALSLG-Fort Collins

Sample : HC111014-9AMB

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03975.dat

Acquisition Date : 10/14/2011 3:48:17 PM

Quantitation Date : 10/17/2011 12:03:37 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

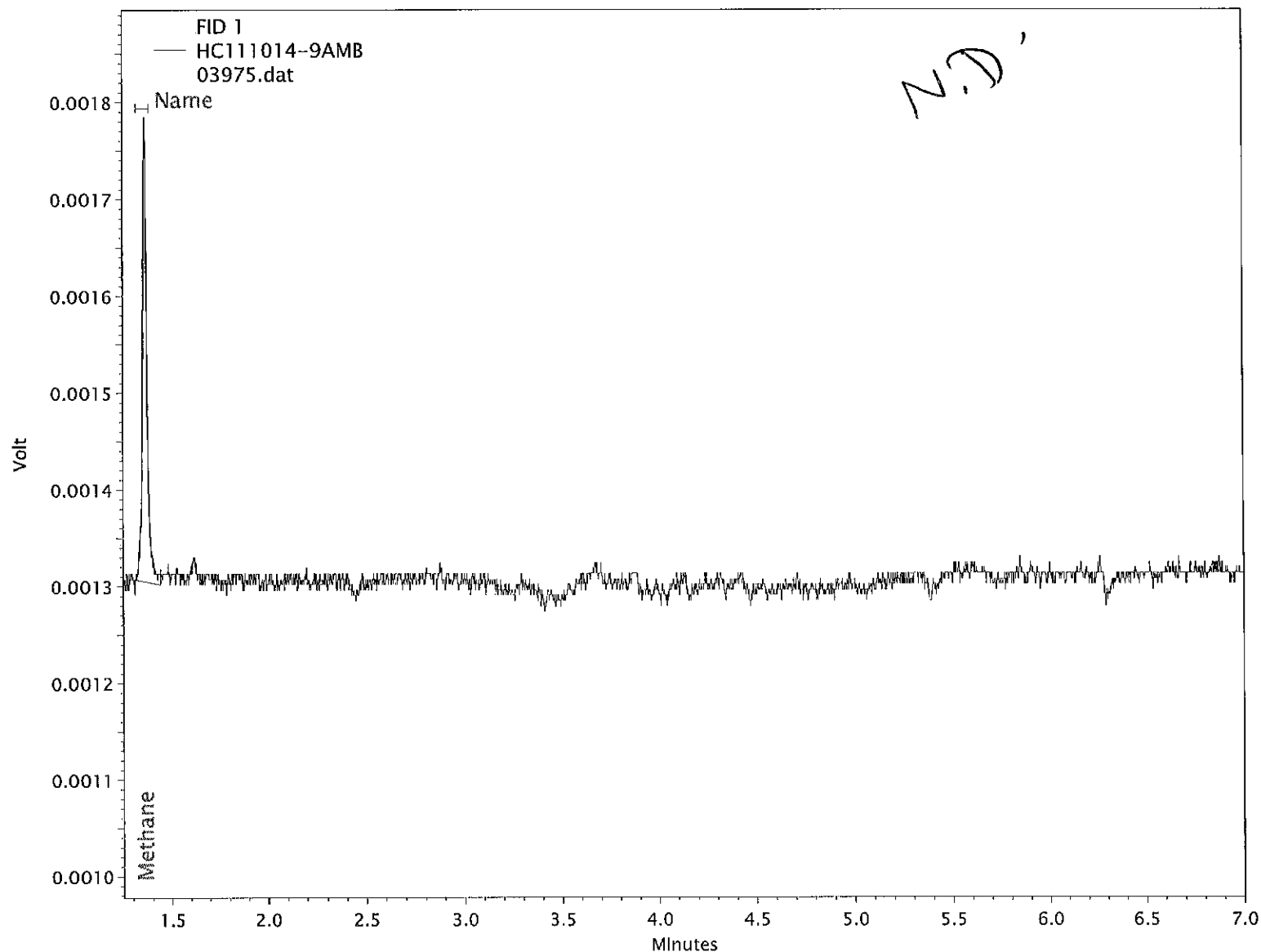
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.363	1.353	756	BB	0.00	ug/L
Ethene		1.515			0.00 BDL	ug/L
Ethane		1.600			0.00 BDL	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:37 PM

Dissolved Gases Quantitation Report

ALSLG-Fort Collins

Sample : 1110046-1

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03976.dat

Acquisition Date : 10/14/2011 4:00:02 PM

Quantitation Date : 10/17/2011 12:03:41 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

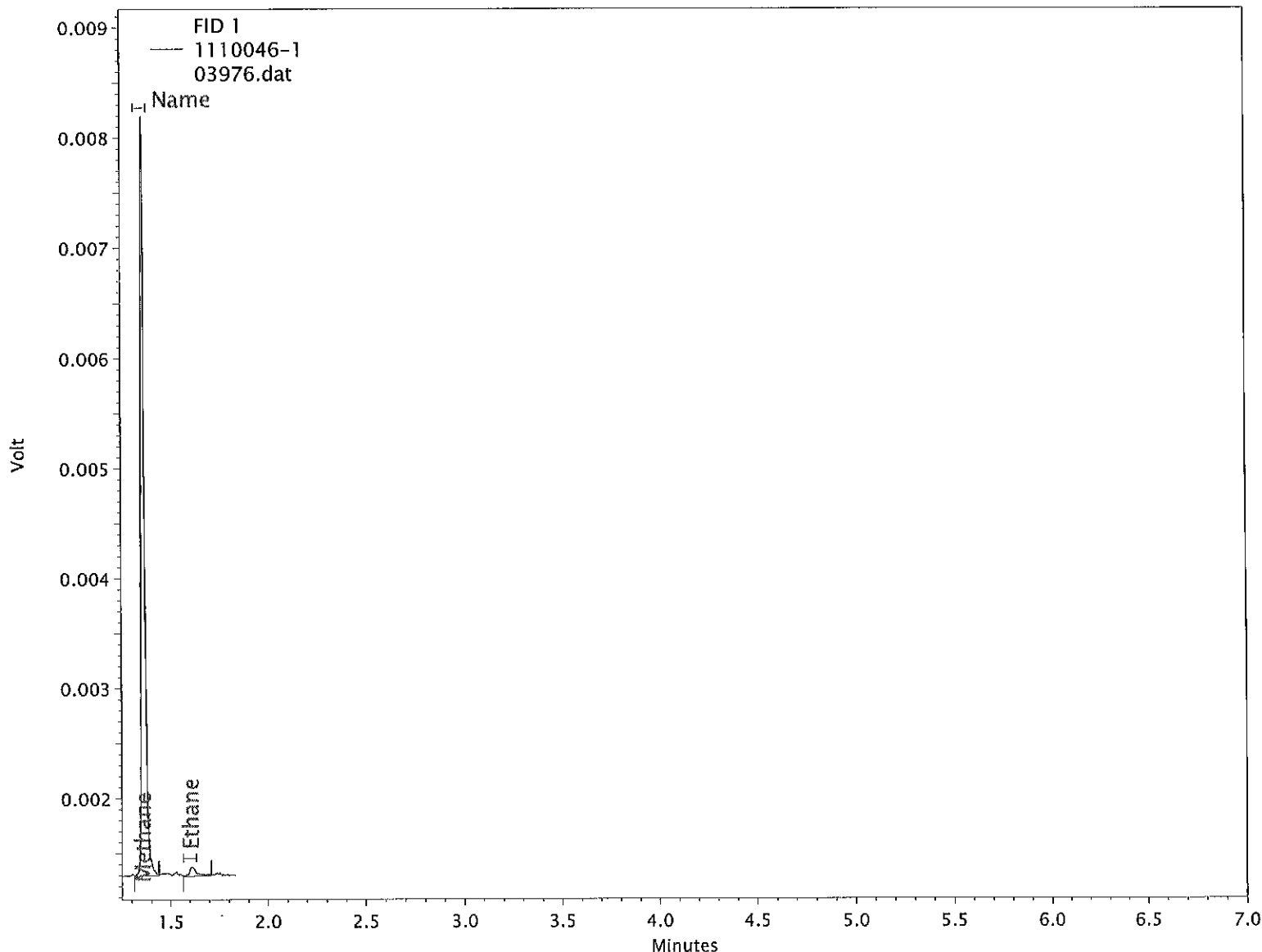
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.360	1.353	8547	BB	4.12	ug/L
Ethene		1.515			0.00 BDL	ug/L
Ethane	1.608	1.600	220	BB	0.00	ug/L



Column : GS-Carbon Plot

{1st int. code is for peak start, 2nd int code is for peak stop} B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:41 PM



Raw Data Quality Control Samples

Dissolved Gases Quantitation Report

ASLGG-Fort Collins

Sample : HC111014-9ACCS

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03974.dat

Acquisition Date : 10/14/2011 3:45:39 PM

Quantitation Date : 10/17/2011 12:03:34 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

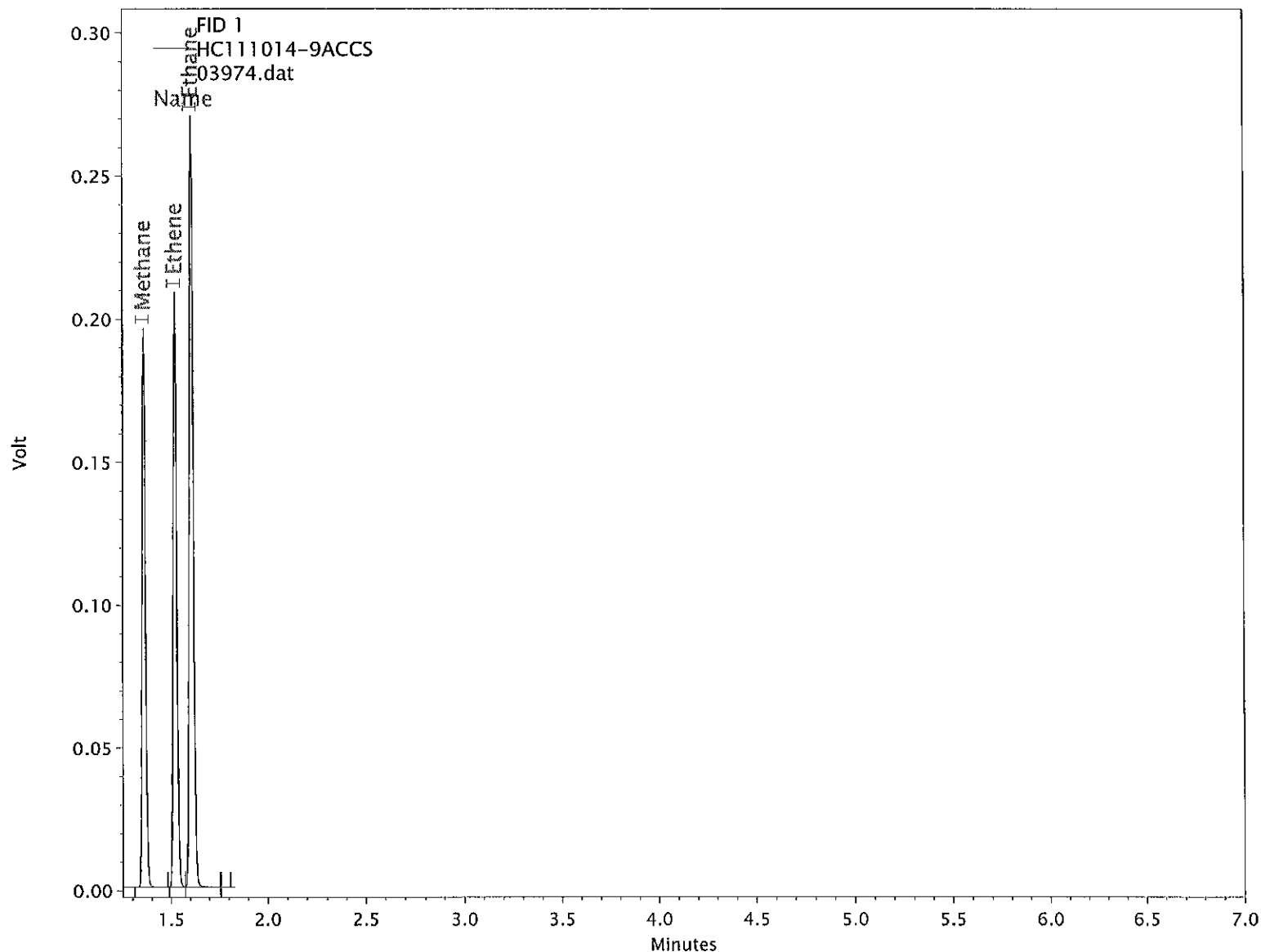
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.360	1.353	233052	BB	135.09	ug/L
Ethene	1.522	1.515	261587	BV	223.85	ug/L
Ethane	1.607	1.600	382632	VB	235.88	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:34 PM

Dissolved Gases Quantitation Report

ALSLG-Fort Collins

Sample : HC111014-9ACCSO

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03978.dat

Acquisition Date : 10/14/2011 4:06:49 PM

Quantitation Date : 10/17/2011 12:03:46 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.mef

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

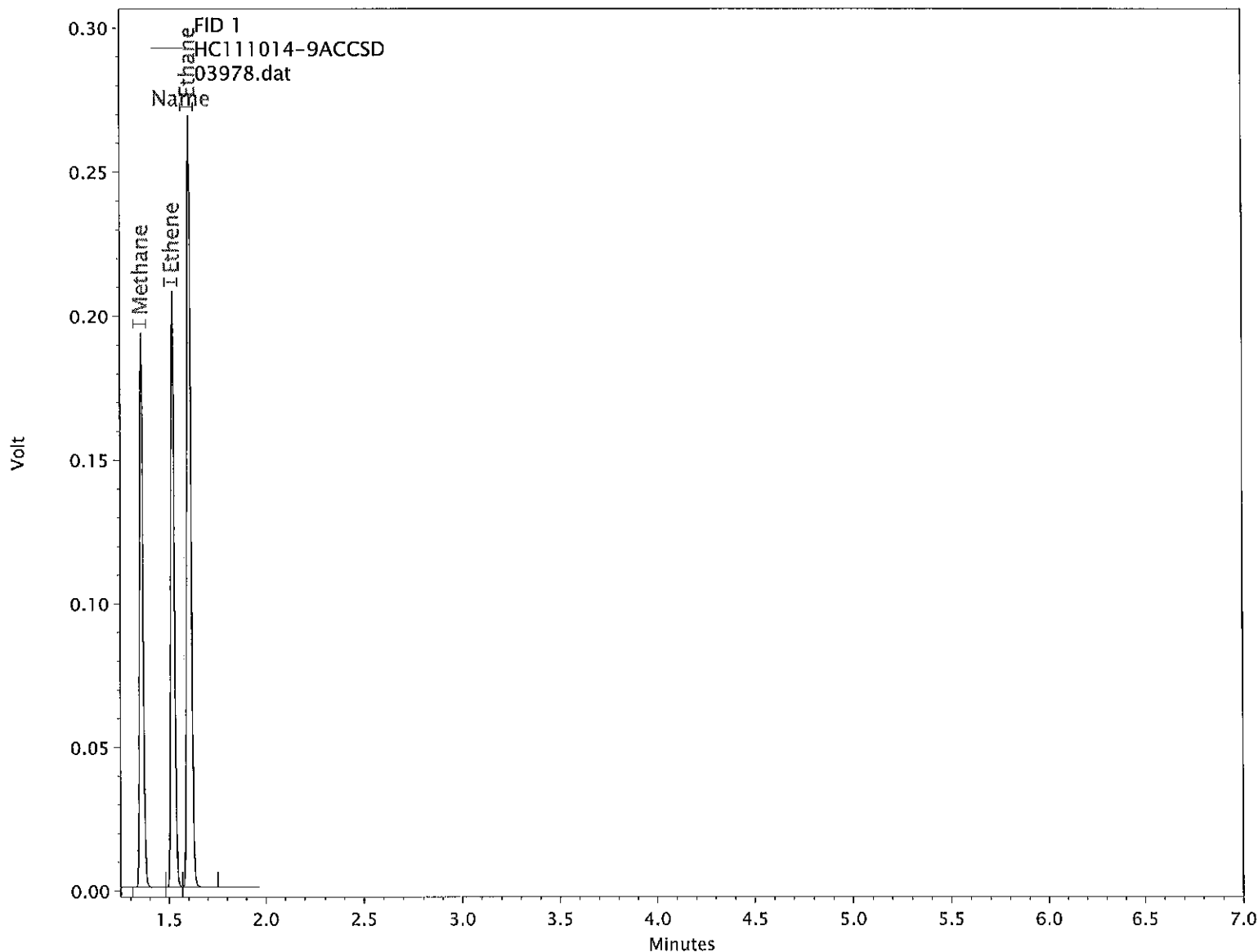
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.360	1.353	232757	BV	134.92	ug/L
Ethene	1.522	1.515	262926	VV	225.00	ug/L
Ethane	1.607	1.600	382834	VB	236.01	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int. code is for peak stop) B=baseline, f=force start or stop, i=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:47 PM

Dissolved Gases Quantitation Report

ALSLG-Fort Collins

Sample : 1110046-1DUP

Filename : \\gcserver\gcdata\Projects\GC9\Data\2011\mee111014\03977.dat

Acquisition Date : 10/14/2011 4:03:27 PM

Quantitation Date : 10/17/2011 12:03:44 PM

Last Method Update : 10/11/2011 11:07:27 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2010\mee090331Ap.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2011\mee111014.seq

Data Description : {Data Description}

Instrument : GC9

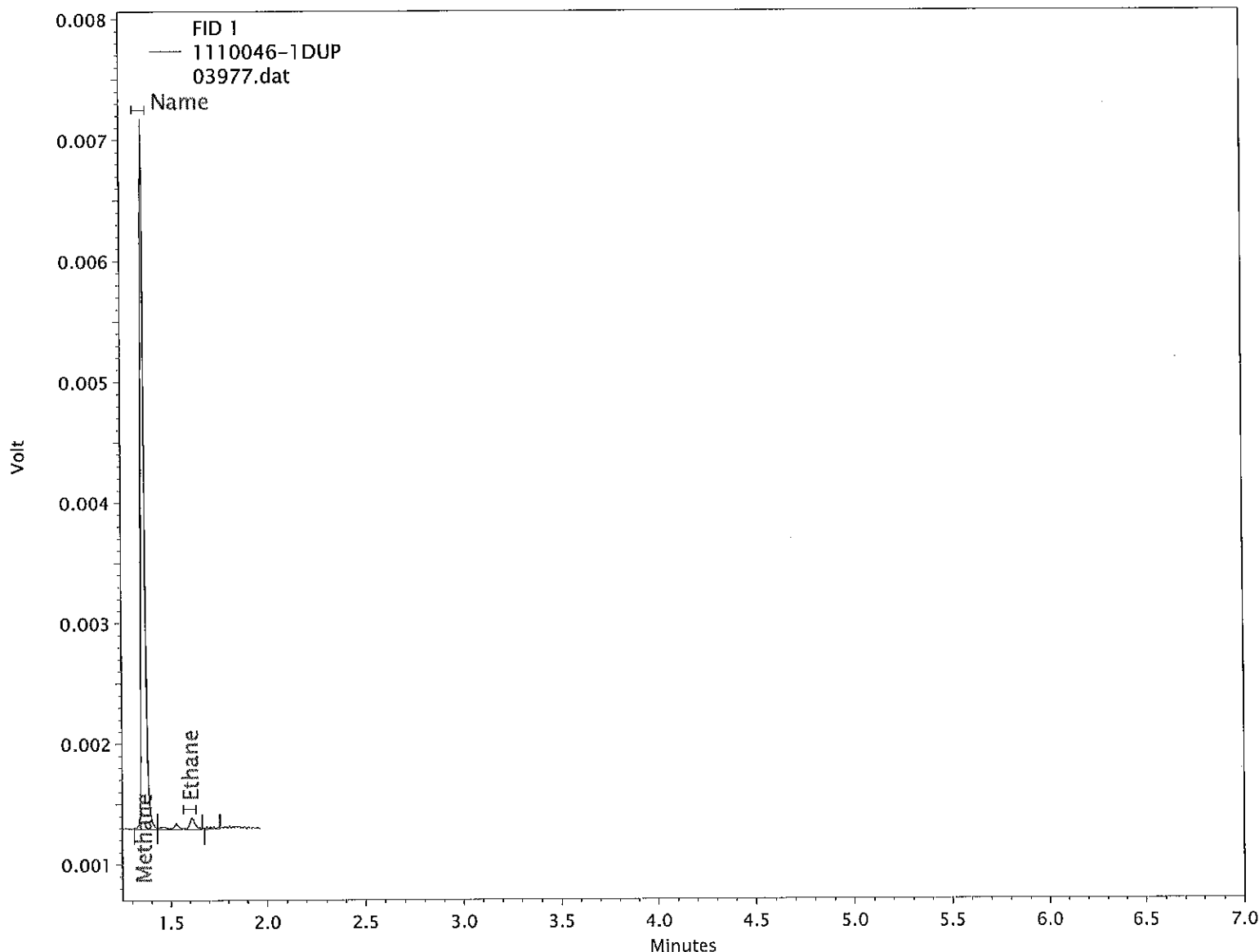
Data Acquired By : sheneman

Data Processed By : sheneman

Inj. Vol. (uL) : 300

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.362	1.353	7345	BV	3.42	ug/L
Ethene		1.515			0.00 BDL	ug/L
Ethane	1.608	1.600	322	VB	0.00	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 10/17/2011 12:03:44 PM