



ACCUTEST GULF COAST
 10165 HARWIN DRIVE
 HOUSTON, TX 77036
 (713) 271-4700

Case Narrative for:
Louisiana Department of Environmental Quality

Certificate of Analysis Number:
12090034

<p>Report To:</p> <p>Louisiana Department of Environmental Quality Randy Creighton 1209 Leesville Ave.</p> <p>Baton Rouge LA 70802- ph: (225) 219-3676 fax: (225) 219-9898</p>	<p>Project Name: AI#/AQS#/HWY 70 @ Gumbo St.</p> <p>Site: HWY 70 @ Gumbo St.</p> <p>Site Address:</p> <p>PO Number: Contract# 687758</p> <p>State: Louisiana</p> <p>State Cert. No.: 02029</p> <p>Date Reported: 9/7/2012</p>
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I. SAMPLE RECEIPT:

All samples were received intact.

Please see attached sample receipt checklist for any nonconformance issues.

II: ANALYSES AND EXCEPTIONS:

PAMS Air Analysis:

Comparison of results for random samples analyzed by PAMS GC/FID and by qualitative analysis by GCMS has shown over 95% of positive results over 2ppbC for butene and pentene isomers to be false positives due to matrix interference from polar compounds. When a large non-symmetrical peak, characteristic of polar compounds such as methanol, acetone or isopropanol, is identified as a target compound, the analyte result will be set to zero, reported as ND and Y flagged. The area of the deleted peak(s) will be added to the TNMOC result. When obvious matrix interference is present, the presence of a coeluting target analyte cannot be absolutely ruled out and therefore these results will be reported, but qualified with a Y Flag. The Y qualifier on a detected analyte signifies a possible false positive due to matrix interference.

III. GENERAL REPORTING COMMENTS:

The PAMS results are reported down to 0.0 ppbC. Non-detect samples are reported with a ND to indicate that the target compounds were not detected and results below the PQL (5 ppbC on an undiluted sample) are reported with a J flag.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples to ensure method criteria are achieved throughout the entire analytical process. A random sample was chosen to run as sample duplicate.

Some of the RPD's on the QC report for the sample/sample duplicate may be different than the c RPD's using the sample results that appear on the report because, the actual raw result is used to perform the calculations for RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature. The software used to prepare this data package calculates according to EPA mandated rounding rules and the final results calculated may differ slightly from the results in the quantitation reports.

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9/7/2012

Bernadette Fini
 Customer Service Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



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This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Accutest Labs of Gulf Coast, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

A handwritten signature in blue ink that reads 'Bernadette C. Fini'.

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9/7/2012

Bernadette Fini
Customer Service Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

Version 2.1 - Modified February 11, 2011



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Louisiana Department of Environmental Quality

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Report To: Louisiana Department of Environmental Quality
 Randy Creighton
 1209 Leesville Ave.

 Baton Rouge
 LA
 70802-
 ph: (225) 219-3676 fax: (225) 219-9898

Project Name: AI#AQS#/HWY 70 @ Gumbo St.
Site: HWY 70 @ Gumbo St.
Site Address:

PO Number: Contract# 687758
State: Louisiana
State Cert. No.: 02029
Date Reported: 9/7/2012
Field Sampler: Mike Miller

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
HWY 70 @ Gumbo St., LA2878, 090112@1147	12090034-01	Air	09/01/2012 11:47	9/5/2012 4:00:00 PM		<input type="checkbox"/>

Bernadette Fini
 Customer Service Manager

9/7/2012

Date

Richard Rodriguez
 Laboratory Director

Ted Yen
 Quality Assurance Officer



ACCUTEST GULF COAST
 10165 HARWIN DRIVE
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Client Sample ID: HWY 70 @ Gumbo St., LA2878, 0901 Collected: 09/01/2012 11:47 Lab Sample ID: 12090034-01

Site: HWY 70 @ Gumbo St.

Analyses/Method	DURATION					SUMMA SAMPLING		Units:	Hours
Parameter		Result	Qual	MDL	PQL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Duration		0.008		0	0	1	09/06/12 0:00	BF	5817933

Bernadette Fini
Customer Service Manager

- Qualifiers:**
- ND/U - Not Detected At The MDL
 - J - Estimated value between MDL and PQL
 - * - Surrogate Recovery Outside Advisable QC Limits
 - E - Concentrations exceeding Calibration range of Instrument
 - B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
 - D - Surrogate Recovery Unreportable due to Dilution
 - MI - Matrix Interference

Client Sample ID: HWY 70 @ Gumbo St., LA2878, 0901 **Collected:** 09/01/2012 11:47 **Lab Sample ID:** 12090034-01

Site: HWY 70 @ Gumbo St.

Analyses/Method Parameter	TARGET TOXIC COMPOUNDS IN AMBIENT AIR BY GC/MS				TO-15_LDEQ		Units:	ppbv
	Result	Qual	MDL	PQL	Dil. Factor	Date Analyzed	Analyst	Seq. #
1,1,1-Trichloroethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,1,2,2-Tetrachloroethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,1,2-Trichloroethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,1-Dichloroethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,1-Dichloroethene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,2,4-Trichlorobenzene	0.01	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,2,4-Trimethylbenzene	0.04	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,2-Dibromoethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,2-Dichloroethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,2-Dichloropropane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,3,5-Trimethylbenzene	0.01	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
1,3-Butadiene	0.09	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
2-Butanone	0.21	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
2-Hexanone	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
4-Methyl-2-pentanone	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Acetone	4.28		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Acetonitrile	0.15	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Acrylonitrile	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Allyl chloride	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Benzene	0.09	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Benzyl chloride	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Bromomethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Carbon disulfide	0.03	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Carbon tetrachloride	0.08	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Chloroacetonitrile	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Chlorobenzene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Chlorobutane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Chloroethane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Chloroform	0.01	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Chloromethane	0.77		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
cis-1,2-Dichloroethylene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
cis-1,3-dichloropropylene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Diethyl ether	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Ethyl methacrylate	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Ethylbenzene	0.04	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960
Freon 11	0.24	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960



Bernadette Fini

Customer Service Manager

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 MI - Matrix Interference

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Client Sample ID: HWY 70 @ Gumbo St., LA2878, 0901 **Collected:** 09/01/2012 11:47 **Lab Sample ID:** 12090034-01

Site: HWY 70 @ Gumbo St.

Analyses/Method Parameter	TARGET TOXIC COMPOUNDS IN AMBIENT AIR BY GC/MS				TO-15_LDEQ		Units:	ppbv	
	Result	Qual	MDL	PQL	Dil. Factor	Date Analyzed	Analyst	Seq. #	
Freon 113	0.08	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Freon 114	0.02	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Freon 12	0.55		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Hexachlorobutadiene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
m+p-Xylenes	0.12	J	< 0.2	1	1	09/06/12 23:40	E_G	5817960	
m-Dichlorobenzene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Methacrylonitrile	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Methyl acrylate	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Methyl methacrylate	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Methyl tert-butyl ether	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Methylene chloride	0.13	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Nitrobenzene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Nitropropane	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
o-Dichlorobenzene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
o-Xylene	0.05	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
p-Dichlorobenzene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Styrene	0.01	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Tetrachloroethylene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Tetrahydrofuran	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Toluene	0.25	J	< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
trans-1,3-Dichloropropene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Trichloroethylene	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Vinyl chloride	ND		< 0.2	0.5	1	09/06/12 23:40	E_G	5817960	
Surr: 4-Bromofluorobenzene	96.60		< 0.2	% 70-130	1	09/06/12 23:40	E_G	5817960	



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Customer Service Manager

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Quality Control Documentation



ACCUTEST GULF COAST
 10165 HARWIN DRIVE
 HOUSTON, TX 77036
 (713) 271-4700

Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Duration
 Method: Summa Sampling

WorkOrder: 12090034
 Lab Batch ID: R321661

Samples in Analytical Batch:

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
12090034-01A	HWY 70 @ Gumbo St., LA287

Qualifiers: ND/U - Not Detected at the MDL
 E - Estimated Value exceeds calibration curve
 J - Estimated value between MDL and PQL
 B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count

MI - Matrix Interference
 D - Recovery Unreportable due to Dilution
 * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Version 2.1 - Modified February 11, 2011

Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
Method: TO-15_LDEQ

WorkOrder: 12090034
Lab Batch ID: R321663

Dry Air Blank

Samples in Analytical Batch:

RunID: M_120906A-5817951 Units: ppbv
Analysis Date: 09/06/2012 12:57 Analyst: E_G

Lab Sample ID: 12090034-01A
Client Sample ID: HWY 70 @ Gumbo St., LA287

Analyte	Result	Qual	Rep Limit	MDL
1,1,1-Trichloroethane	ND		0.20	0
1,1,2,2-Tetrachloroethane	ND		0.20	0
1,1,2-Trichloroethane	ND		0.20	0
1,1-Dichloroethane	ND		0.20	0
1,1-Dichloroethene	ND		0.20	0
1,2,4-Trichlorobenzene	0.038	J	0.20	0
1,2,4-Trimethylbenzene	0.0046	J	0.20	0
1,2-Dibromoethane	ND		0.20	0
1,2-Dichloroethane	ND		0.20	0
1,2-Dichloropropane	ND		0.20	0
1,3,5-Trimethylbenzene	0.0031	J	0.20	0
1,3-Butadiene	ND		0.20	0
2-Butanone	ND		0.20	0
2-Hexanone	ND		0.20	0
4-Methyl-2-pentanone	ND		0.20	0
Acetone	0.21	J	1.0	0
Acetonitrile	ND		0.20	0
Acrylonitrile	ND		0.20	0
Allyl chloride	ND		0.20	0
Benzene	ND		0.20	0
Benzyl chloride	ND		0.20	0
Bromomethane	ND		0.20	0
Carbon disulfide	ND		0.20	0
Carbon tetrachloride	ND		0.20	0
Chloroacetonitrile	ND		0.20	0
Chlorobenzene	ND		0.20	0
Chlorobutane	ND		0.20	0
Chloroethane	ND		0.20	0
Chloroform	ND		0.20	0
Chloromethane	ND		0.20	0
cis-1,2-Dichloroethylene	ND		0.20	0
cis-1,3-dichloropropylene	ND		0.20	0
Diethyl ether	ND		0.20	0
Ethyl methacrylate	ND		0.20	0
Ethylbenzene	ND		0.20	0
Freon 11	ND		0.20	0
Freon 113	0.056	J	0.20	0
Freon 114	ND		0.20	0
Freon 12	ND		0.20	0
Hexachlorobutadiene	0.0076	J	0.20	0
m+p-Xylenes	ND		0.40	0

Qualifiers: ND/U - Not Detected at the MDL
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Version 2.1 - Modified February 11, 2011

Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
Method: TO-15_LDEQ

WorkOrder: 12090034
Lab Batch ID: R321663

Dry Air Blank

RunID: M_120906A-5817951 Units: ppbv
Analysis Date: 09/06/2012 12:57 Analyst: E_G

Analyte	Result	Qual	Rep Limit	MDL
m-Dichlorobenzene	0.0077	J	0.20	0
Methacrylonitrile	ND		0.20	0
Methyl acrylate	ND		0.20	0
Methyl methacrylate	ND		0.20	0
Methyl tert-butyl ether	ND		0.20	0
Methylene chloride	0.074	J	0.20	0
Nitrobenzene	0.06	J	0.20	0
Nitropropane	ND		0.20	0
o-Dichlorobenzene	ND		0.20	0
o-Xylene	ND		0.20	0
p-Dichlorobenzene	0.0089	J	0.20	0
Styrene	ND		0.20	0
Tetrachloroethylene	ND		0.20	0
Tetrahydrofuran	ND		0.20	0
Toluene	ND		0.20	0
trans-1,3-Dichloropropene	ND		0.20	0
Trichloroethylene	ND		0.20	0
Vinyl chloride	ND		0.20	0
Surr: 4-Bromofluorobenzene	93.5		70-130	0

Humid Air Blank

RunID: M_120906A-5817952 Units: ppbv
Analysis Date: 09/06/2012 14:04 Analyst: E_G

Analyte	Result	Qual	Rep Limit
1,1,1-Trichloroethane	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,1,2-Trichloroethane	ND		0.20
1,1-Dichloroethane	ND		0.20
1,1-Dichloroethene	ND		0.20
1,2,4-Trichlorobenzene	0.0205	J	0.20
1,2,4-Trimethylbenzene	0.00317	J	0.20
1,2-Dibromoethane	ND		0.20
1,2-Dichloroethane	ND		0.20
1,2-Dichloropropane	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20

Qualifiers: ND/U - Not Detected at the MDL
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QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
 Method: TO-15_LDEQ

WorkOrder: 12090034
 Lab Batch ID: R321663

Humid Air Blank

RunID: M_120906A-5817952 Units: ppbv
 Analysis Date: 09/06/2012 14:04 Analyst: E_G

Analyte	Result	Qual	Rep Limit
1,3-Butadiene	ND		0.20
2-Butanone	0.0687	J	0.20
2-Hexanone	ND		0.20
4-Methyl-2-pentanone	ND		0.20
Acetone	0.174	J	1.0
Acetonitrile	ND		0.20
Acrylonitrile	ND		0.20
Allyl chloride	ND		0.20
Benzene	ND		0.20
Benzyl chloride	ND		0.20
Bromomethane	ND		0.20
Carbon disulfide	ND		0.20
Carbon tetrachloride	ND		0.20
Chloroacetonitrile	ND		0.20
Chlorobenzene	ND		0.20
Chlorobutane	ND		0.20
Chloroethane	ND		0.20
Chloroform	ND		0.20
Chloromethane	ND		0.20
cis-1,2-Dichloroethylene	ND		0.20
cis-1,3-dichloropropylene	ND		0.20
Diethyl ether	ND		0.20
Ethyl methacrylate	ND		0.20
Ethylbenzene	ND		0.20
Freon 11	ND		0.20
Freon 113	ND		0.20
Freon 114	ND		0.20
Freon 12	ND		0.20
Hexachlorobutadiene	ND		0.20
m+p-Xylenes	ND		0.40
m-Dichlorobenzene	ND		0.20
Methacrylonitrile	ND		0.20
Methyl acrylate	ND		0.20
Methyl methacrylate	ND		0.20
Methyl tert-butyl ether	ND		0.20
Methylene chloride	0.071	J	0.20
Nitrobenzene	0.0359	J	0.20
Nitropropane	ND		0.20
o-Dichlorobenzene	ND		0.20
o-Xylene	0.00268	J	0.20
p-Dichlorobenzene	ND		0.20

Qualifiers: ND/U - Not Detected at the MDL
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Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
Method: TO-15_LDEQ

WorkOrder: 12090034
Lab Batch ID: R321663

Humid Air Blank

RunID: M_120906A-5817952 Units: ppbv
Analysis Date: 09/06/2012 14:04 Analyst: E_G

Analyte	Result	Qual	Rep Limit
Styrene	ND		0.20
Tetrachloroethylene	ND		0.20
Tetrahydrofuran	ND		0.20
Toluene	0.0112	J	0.20
trans-1,3-Dichloropropene	ND		0.20
Trichloroethylene	ND		0.20
Vinyl chloride	ND		0.20
Surr: 4-Bromofluorobenzene	96.7		70-130

Laboratory Control Sample (LCS)

RunID: M_120906A-5817950 Units: ppbv
Analysis Date: 09/06/2012 10:44 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
1,1,1-Trichloroethane	7.50	7.28	97.0		70	130
1,1,2,2-Tetrachloroethane	7.50	6.78	90.4		70	130
1,1,2-Trichloroethane	7.50	6.86	91.4		70	130
1,1-Dichloroethane	7.50	7.13	95.1		70	130
1,1-Dichloroethene	7.50	7.08	94.4		70	130
1,2,4-Trichlorobenzene	7.50	7.94	106		70	130
1,2,4-Trimethylbenzene	7.50	7.55	101		70	130
1,2-Dibromoethane	7.50	7.17	95.6		70	130
1,2-Dichloroethane	7.50	7.19	95.9		70	130
1,2-Dichloropropane	7.50	6.76	90.1		70	130
1,3,5-Trimethylbenzene	7.50	7.45	99.3		70	130
1,3-Butadiene	7.50	7.21	96.2		70	130
2-Butanone	7.50	7.08	94.4		70	130
2-Hexanone	7.50	6.55	87.3		70	130
4-Methyl-2-pentanone	7.50	6.29	83.8		70	130
Acetone	7.50	7.83	104		70	130
Acetonitrile	7.50	6.83	91.1		70	130

Qualifiers: ND/U - Not Detected at the MDL
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
 Method: TO-15_LDEQ

WorkOrder: 12090034
 Lab Batch ID: R321663

Laboratory Control Sample (LCS)

RunID: M_120906A-5817950 Units: ppbv
 Analysis Date: 09/06/2012 10:44 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Acrylonitrile	7.50	7.84	104		70	130
Allyl chloride	7.50	7.04	93.8		70	130
Benzene	7.50	7.26	96.8		70	130
Benzyl chloride	7.50	7.80	104		70	130
Bromomethane	7.50	7.89	105		70	130
Carbon disulfide	7.50	7.46	99.4		70	130
Carbon tetrachloride	7.50	7.26	96.8		70	130
Chloroacetonitrile	7.50	7.28	97.1		70	130
Chlorobenzene	7.50	7.05	94.0		70	130
Chlorobutane	7.50	7.18	95.8		70	130
Chloroethane	7.50	7.60	101		70	130
Chloroform	7.50	7.10	94.7		70	130
Chloromethane	7.50	7.40	98.7		70	130
cis-1,2-Dichloroethylene	7.50	7.07	94.3		70	130
cis-1,3-dichloropropylene	7.50	7.00	93.3		70	130
Diethyl ether	7.50	8.01	107		70	130
Ethyl methacrylate	7.50	7.06	94.1		70	130
Ethylbenzene	7.50	7.25	96.6		70	130
Freon 11	7.50	7.77	104		70	130
Freon 113	7.50	7.07	94.2		70	130
Freon 114	7.50	8.98	120		70	130
Freon 12	7.50	7.95	106		70	130
Hexachlorobutadiene	7.50	7.58	101		70	130
m+p-Xylenes	15.0	14.3	95.1		70	130
m-Dichlorobenzene	7.50	7.62	102		70	130
Methacrylonitrile	7.50	8.03	107		70	130
Methyl acrylate	7.50	7.67	102		70	130
Methyl methacrylate	7.50	7.54	101		70	130
Methyl tert-butyl ether	7.50	8.13	108		70	130
Methylene chloride	7.50	6.66	88.7		70	130

Qualifiers: ND/U - Not Detected at the MDL
 E - Estimated Value exceeds calibration curve
 J - Estimated value between MDL and PQL
 B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count

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Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
Method: TO-15_LDEQ

WorkOrder: 12090034
Lab Batch ID: R321663

Laboratory Control Sample (LCS)

RunID: M_120906A-5817950 Units: ppbv
Analysis Date: 09/06/2012 10:44 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Qual	Lower Limit	Upper Limit
Nitrobenzene	7.50	7.16	95.5		70	130
Nitropropane	7.50	6.54	87.1		70	130
o-Dichlorobenzene	7.50	7.57	101		70	130
o-Xylene	7.50	7.17	95.7		70	130
p-Dichlorobenzene	7.50	7.85	105		70	130
Styrene	7.50	7.45	99.4		70	130
Tetrachloroethylene	7.50	7.15	95.3		70	130
Tetrahydrofuran	7.50	7.22	96.2		70	130
Toluene	7.50	7.18	95.7		70	130
trans-1,3-Dichloropropene	7.50	8.34	111		70	130
Trichloroethylene	7.50	6.71	89.5		70	130
Vinyl chloride	7.50	7.72	103		70	130
Surr: 4-Bromofluorobenzene	100	101	101		70	130

Sample Duplicate

Original Sample: 12090029-01
RunID: M_120906A-5817953 Units: ppbv
Analysis Date: 09/06/2012 15:17 Analyst: E_G

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
1,1,1-Trichloroethane	ND	ND		0	25
1,1,2,2-Tetrachloroethane	ND	ND		0	25
1,1,2-Trichloroethane	ND	ND		0	25
1,1-Dichloroethane	ND	ND		0	25
1,1-Dichloroethene	ND	ND		0	25
1,2,4-Trichlorobenzene	0.02	0.01	J	0	25
1,2,4-Trimethylbenzene	0.02	0.03	J	0	25
1,2-Dibromoethane	ND	ND		0	25

Qualifiers: ND/U - Not Detected at the MDL
E - Estimated Value exceeds calibration curve
J - Estimated value between MDL and PQL
B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
 Method: TO-15_LDEQ

WorkOrder: 12090034
 Lab Batch ID: R321663

Sample Duplicate

Original Sample: 12090029-01
 RunID: M_120906A-5817953 Units: ppbv
 Analysis Date: 09/06/2012 15:17 Analyst: E_G

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
1,2-Dichloroethane	ND	ND		0	25
1,2-Dichloropropane	ND	ND		0	25
1,3,5-Trimethylbenzene	0.01	0.01	J	0	25
1,3-Butadiene	ND	ND		0	25
2-Butanone	0.12	0.11	J	0	25
2-Hexanone	ND	ND		0	25
4-Methyl-2-pentanone	ND	ND		0	25
Acetone	4.66	4.59		1.64	25
Acetonitrile	0.07	0.07	J	0	25
Acrylonitrile	ND	ND		0	25
Allyl chloride	ND	ND		0	25
Benzene	0.18	0.18	J	0	25
Benzyl chloride	ND	ND		0	25
Bromomethane	ND	ND		0	25
Carbon disulfide	0.04	0.04	J	0	25
Carbon tetrachloride	0.09	0.08	J	0	25
Chloroacetonitrile	ND	ND		0	25
Chlorobenzene	ND	ND		0	25
Chlorobutane	ND	ND		0	25
Chloroethane	ND	ND		0	25
Chloroform	0.01	0.01	J	0	25
Chloromethane	0.79	0.78		1.2	25
cis-1,2-Dichloroethylene	ND	ND		0	25
cis-1,3-dichloropropylene	ND	ND		0	25
Diethyl ether	ND	ND		0	25
Ethyl methacrylate	ND	ND		0	25
Ethylbenzene	0.02	0.02	J	0	25
Freon 11	0.24	0.24	J	0	25

Qualifiers: ND/U - Not Detected at the MDL
 E - Estimated Value exceeds calibration curve
 J - Estimated value between MDL and PQL
 B - Analyte In Blank At Or Above 2 ppbC/For TO-15 0.2 ppbv
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Version 2.1 - Modified February 11, 2011

Quality Control Report

Louisiana Department of Environmental Quality

AI#/AQS#/HWY 70 @ Gumbo St.

Analysis: Target Toxic Compounds in Ambient Air by GC/MS
 Method: TO-15_LDEQ

WorkOrder: 12090034
 Lab Batch ID: R321663

Sample Duplicate

Original Sample: 12090029-01
 RunID: M_120906A-5817953 Units: ppbv
 Analysis Date: 09/06/2012 15:17 Analyst: E_G

Analyte	Sample Result	DUP Result	Qual	RPD	RPD Limit
Freon 113	0.08	0.08	J	0	25
Freon 114	0.02	0.02	J	0	25
Freon 12	0.53	0.53		0.41	25
Hexachlorobutadiene	0.01	0.01	J	0	25
m+p-Xylenes	0.06	0.07	J	0	25
m-Dichlorobenzene	ND	ND		0	25
Methacrylonitrile	ND	ND		0	25
Methyl acrylate	ND	ND		0	25
Methyl methacrylate	ND	ND		0	25
Methyl tert-butyl ether	ND	ND		0	25
Methylene chloride	0.22	0.22	J	0	25
Nitrobenzene	ND	ND		0	25
Nitropropane	ND	ND		0	25
o-Dichlorobenzene	ND	ND		0	25
o-Xylene	0.02	0.03	J	0	25
p-Dichlorobenzene	0.01	0.01	J	0	25
Styrene	0.06	0.06	J	0	25
Tetrachloroethylene	ND	ND		0	25
Tetrahydrofuran	ND	ND		0	25
Toluene	0.23	0.23	J	0	25
trans-1,3-Dichloropropene	ND	ND		0	25
Trichloroethylene	ND	ND		0	25
Vinyl chloride	ND	ND		0	25
Surr: 4-Bromofluorobenzene	95.6	96.6		1.012	30

Qualifiers: ND/U - Not Detected at the MDL
 E - Estimated Value exceeds calibration curve
 J - Estimated value between MDL and PQL
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 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Version 2.1 - Modified February 11, 2011

*Sample Receipt Checklist
And
Chain of Custody*



ACCUTEST GULF COAST
 10165 HARWIN DRIVE
 HOUSTON, TX 77036
 (713) 271-4700

Sample Receipt Checklist

Workorder:	12090034	Received By:	E_G
Date and Time Received:	9/5/2012 4:00:00 PM	Carrier name:	ACCUTEST
Temperature:	25.4°C	Chilled by:	Not Chilled

- | | | | |
|---|---|--|---|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody agrees with sample labels?
<small>No information listed on tag (sample ID , collection date , final pressure). Accutest logged in sample information as per chain of custody.</small> | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 7. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | VOA Vials Not Present <input checked="" type="checkbox"/> |
| 13. Water - Preservation checked upon receipt (except VOA*)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

*VOA Preservation Checked After Sample Analysis

Accutest Representative: <input style="width:95%;" type="text"/>	Contact Date & Time: <input style="width:95%;" type="text"/>
Client Name Contacted: <input style="width:95%;" type="text"/>	

Non Conformance Issues:

Client Instructions:

12090034

"Grab" Sample Collection Worksheet Louisiana Department of Environmental Quality Surveillance Division		
Date of Collection: 9/1/12	Canister Number: LA 2878	
Collected By:	Sample Location: Hwy 70/Kumbha	
Print Name: Mike Miller	(GPS) Latitude:	
Signature: <i>[Signature]</i>	(GPS) Longitude:	
Phone No.: 225-219-3312		
Witness:	Witness:	
Analysis Requested:		
Weather Conditions:	Odor Intensity:	Photograph:
Clear ()	None (✓)	No (✓)
PC (✓)	Mild ()	Yes ()
Cloudy ()	Moderate ()	
Rainy ()	Strong ()	
Describe odors present:		
Wind direction & speed:	Ambient temperature:	
Relative humidity:	Barometric pressure:	
Sampling Data (24:00)		
Start Time: 1147	End Time: 1147	Total Time (min): GRAB
NOTE: Please include all other sampling readings (PID, FID, Draeger Tubes, etc.)		
Multi-RAGE 045-513713 wet 1/6 O ₂ 20.9, H ₂ ppm 0, VOC ppm 0.0		
*** (draw map on back of sheet showing sampling location and wind direction) ***		
Chain of Custody Record		
Relinquished By:		Received By:
Name: Mike Miller	Signature: <i>[Signature]</i>	Name: Louis Montin
Date: 9/1/12	Time: 9:30	Signature: <i>[Signature]</i>
Name: Louis Montin	Signature: <i>[Signature]</i>	Date: 9/1/12
Date: 9/1/12	Time: 10:00	Time: 9:31
Name: RE GUILLET	Signature: <i>[Signature]</i>	Name: RE GUILLET
Date: 9-5-12	Time: 1600	Signature: <i>[Signature]</i>
Name: GING FUCH	Signature: <i>[Signature]</i>	Date: 9-5-12
Date: 9-5-12	Time: 1600	Time: 1245
Name: ELLIE POST	Signature: <i>[Signature]</i>	Name: ELLIE POST
Date: 9-5-12	Time: 1630	Signature: <i>[Signature]</i>
Date: 9-5-12	Time: 20:05	Date: 9-5-12
Date: 9-5-12	Time: 20:05	Time: 1630

Form Rev. 1
[Signature]
 9-5-12 2005

Elizabeth Gonzalez
 Revised 2/14/2008
 9/5/12 20:05

**Volatile Organic (TO-15)
Library Search (TIC's)**

Tentatively Identified Compound (LSC) summary

Data Path : M:\AIR_M\2A12-0906\
 Data File : M12I046.D
 Acq On : 6 Sep 2012 11:40 pm
 Operator : E_G
 Sample : 12090034-01A
 Misc : SAMP;TO-15_LDEQ
 ALS Vial : 19 Sample Multiplier: 1

Quant Method : M:\AIR_M\METHODS\M12H18.M
 Quant Title : TO-15 LA

TIC Library : C:\Database\NIST05.L
 TIC Integration Parameters: RTEINT_D.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isobutane	8.631	1.2	ppbv	182404	1	14.844	942013	6.3
Butane	8.978	1.2	ppbv	185639	1	14.844	942013	6.3
1,3-Butadiene, ...	11.057	1.3	ppbv	192472	1	14.844	942013	6.3

Library Search Compound Report

Data Path : M:\AIR M\2A12-0906\
 Data File : M12I046.D
 Acq On : 6 Sep 2012 11:40 pm
 Operator : E G
 Sample : 12090034-01A
 Misc : SAMP;TO-15 LDEQ
 ALS Vial : 19 Sample Multiplier: 1

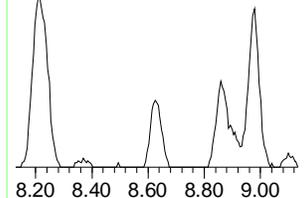
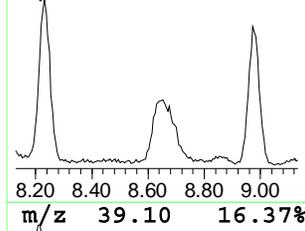
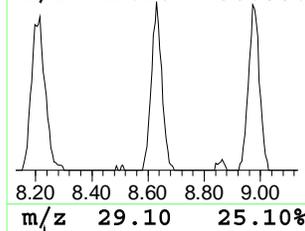
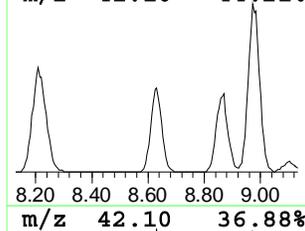
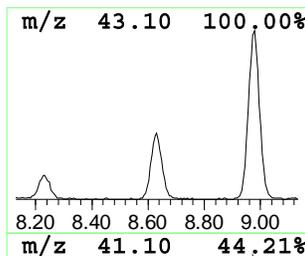
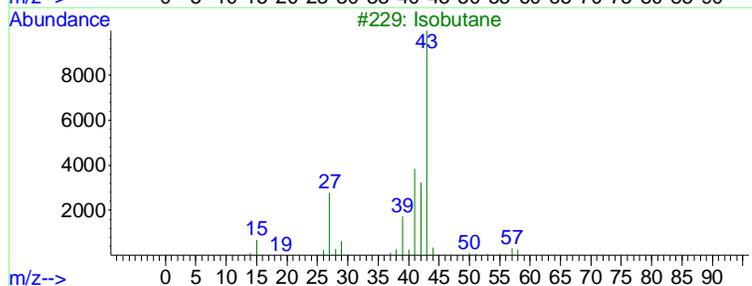
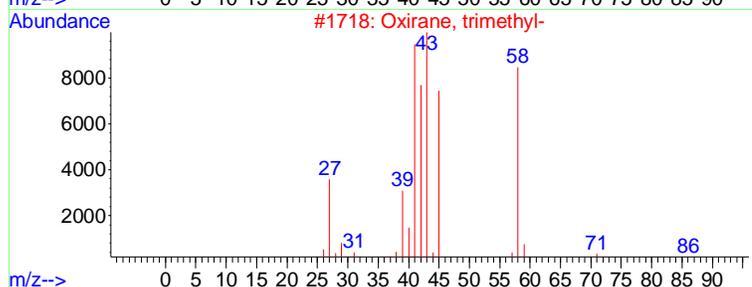
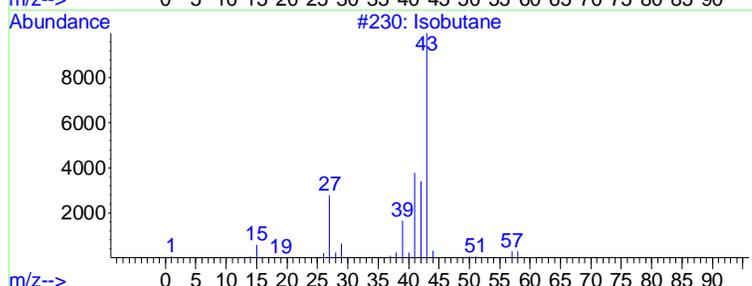
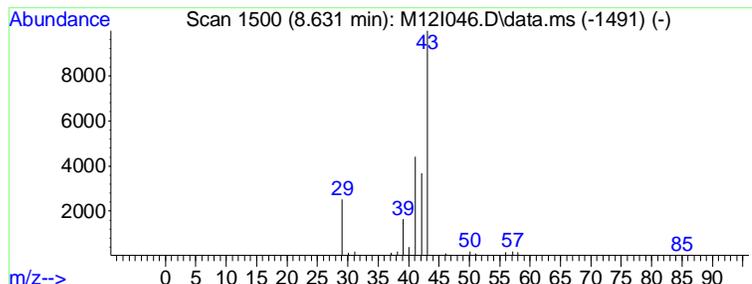
Quant Method : M:\AIR M_METHODS\M12H18.M
 Quant Title : TO-15 LA

TIC Library : C:\Database\NIST05.L
 TIC Integration Parameters: RTEINT_D.P

 Peak Number 2 Isobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.631	1.21 ppbv	182404	Bromochloromethane	14.844

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	9
2	Oxirane, trimethyl-	86	C5H10O	005076-19-7	9
3	Isobutane	58	C4H10	000075-28-5	4
4	Nitric acid, 2-methylpropyl ester	119	C4H9NO3	000543-29-3	4
5	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4



Library Search Compound Report

Data Path : M:\AIR M\2A12-0906\
 Data File : M12I046.D
 Acq On : 6 Sep 2012 11:40 pm
 Operator : E G
 Sample : 12090034-01A
 Misc : SAMP;TO-15 LDEQ
 ALS Vial : 19 Sample Multiplier: 1

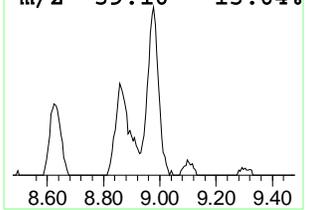
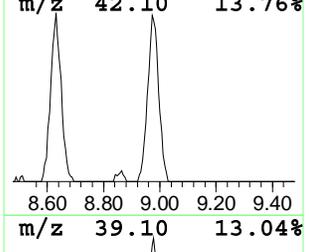
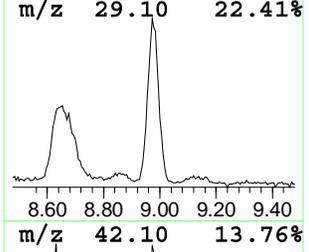
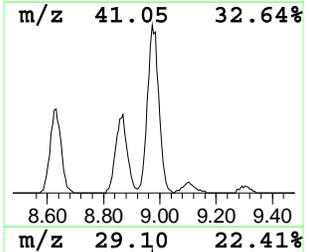
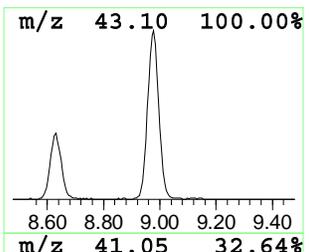
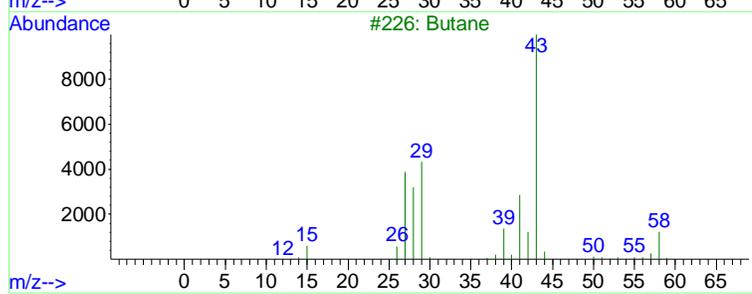
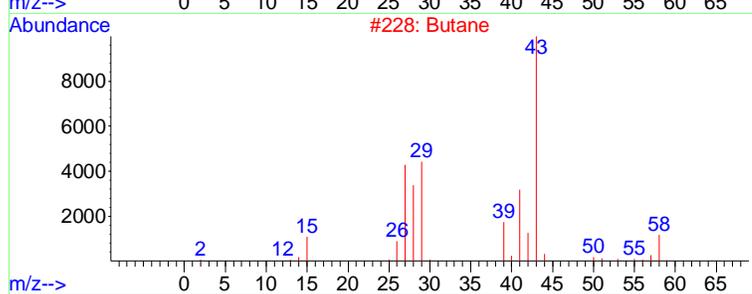
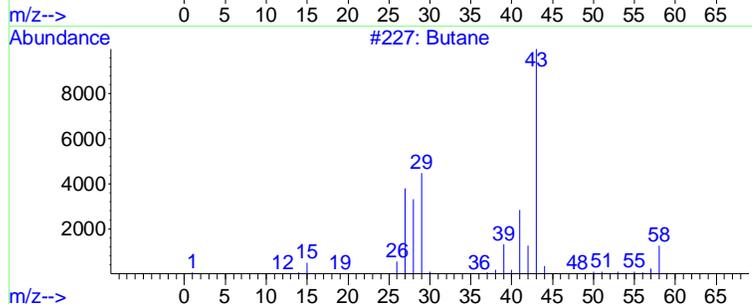
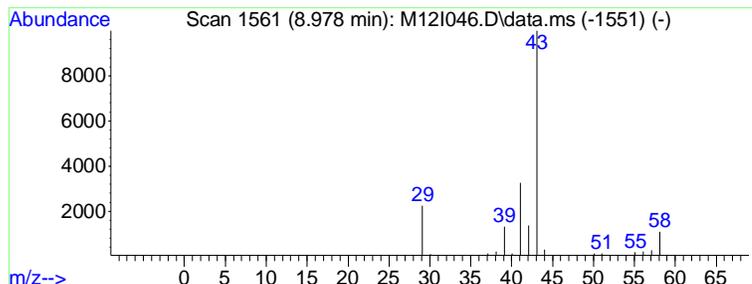
Quant Method : M:\AIR M_METHODS\M12H18.M
 Quant Title : TO-15 LA

TIC Library : C:\Database\NIST05.L
 TIC Integration Parameters: RTEINT_D.P

 Peak Number 3 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.978	1.23 ppbv	185639	Bromochloromethane	14.844

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane		58	C4H10	000106-97-8	72
2	Butane		58	C4H10	000106-97-8	72
3	Butane		58	C4H10	000106-97-8	72
4	Propane, 1-nitro-		89	C3H7NO2	000108-03-2	9
5	Diazene, dimethyl-		58	C2H6N2	000503-28-6	5



Library Search Compound Report

Data Path : M:\AIR M\2A12-0906\
 Data File : M12I046.D
 Acq On : 6 Sep 2012 11:40 pm
 Operator : E G
 Sample : 12090034-01A
 Misc : SAMP;TO-15 LDEQ
 ALS Vial : 19 Sample Multiplier: 1

Quant Method : M:\AIR M_METHODS\M12H18.M
 Quant Title : TO-15 LA

TIC Library : C:\Database\NIST05.L
 TIC Integration Parameters: RTEINT_D.P

 Peak Number 5 1,3-Butadiene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	1.28 ppbv	192472	Bromochloromethane	14.844

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene	68	C5H8	000504-60-9	94
2	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	94
3	1,3-Butadiene, 2-methyl-	68	C5H8	000078-79-5	94
4	1,3-Butadiene, 2-methyl-	68	C5H8	000078-79-5	94
5	1,2-Pentadiene	68	C5H8	000591-95-7	93

