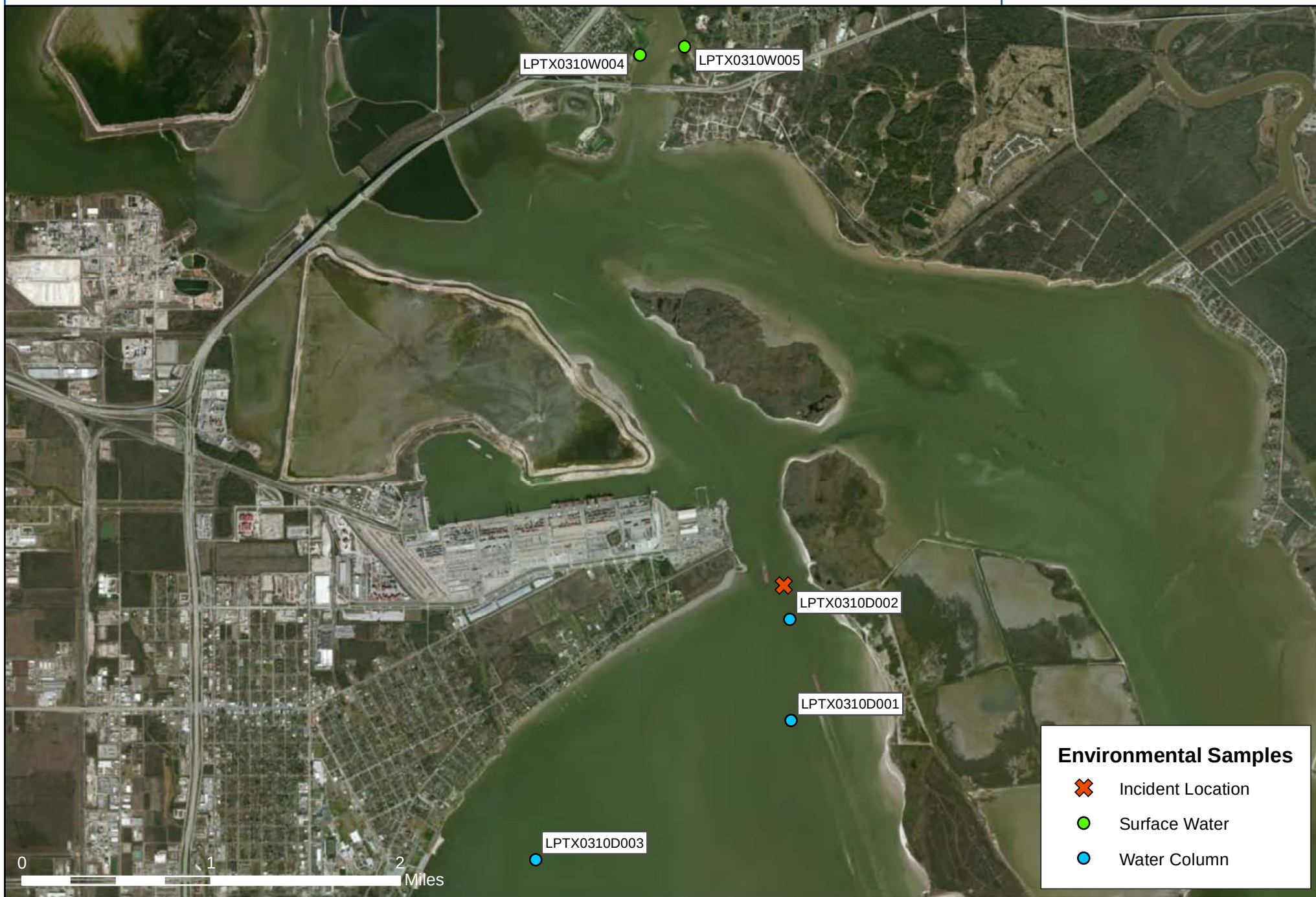




Environmental Samples

-  Incident Location
-  Surface Water
-  Water Column

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Houston

6310 Rothway Street

Houston, TX 77040

Tel: (713)690-4444

TestAmerica Job ID: 600-107925-1

Client Project/Site: 107085

For:

Center for Toxicology & Env Health LLC

5120 North Shore Drive

North Little Rock, Arkansas 72118

Attn:

[REDACTED]

[REDACTED]

Authorized for release by:

3/11/2015 5:30:43 PM

[REDACTED]

, Senior Project Manager

@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

DCA15MM017-013

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Case Narrative

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Job ID: 600-107925-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative 600-107925-1

Comments

No additional comments.

Receipt

The samples were received on 3/10/2015 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

Method(s) 8260B: The following sample was diluted due to perception of contaminated samples. The reporting limits (RL) falls below client's requirements. LPTX0310D001-D (600-107925-3), LPTX0310D002-D (600-107925-6), LPTX0310D002-M (600-107925-5), LPTX0310D003-S (600-107925-7). Elevated reporting limits (RL) are provided.

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: LPTX0310D001-M (600-107925-2), LPTX0310D001-S (600-107925-1), LPTX0310D002-S (600-107925-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: LPTX0310D001-D (600-107925-3), LPTX0310D002-D (600-107925-6), LPTX0310D002-M (600-107925-5), LPTX0310D003-S (600-107925-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU

Protocol References:

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

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-107925-1	LPTX0310D001-S	Water	03/10/15 12:55	03/10/15 19:50
600-107925-2	LPTX0310D001-M	Water	03/10/15 13:15	03/10/15 19:50
600-107925-3	LPTX0310D001-D	Water	03/10/15 13:40	03/10/15 19:50
600-107925-4	LPTX0310D002-S	Water	03/10/15 14:25	03/10/15 19:50
600-107925-5	LPTX0310D002-M	Water	03/10/15 14:35	03/10/15 19:50
600-107925-6	LPTX0310D002-D	Water	03/10/15 15:05	03/10/15 19:50
600-107925-7	LPTX0310D003-S	Water	03/10/15 15:25	03/10/15 19:50
600-107925-8	LPTX0310W004	Water	03/10/15 13:16	03/10/15 19:50
600-107925-9	LPTX0310W005	Water	03/10/15 14:15	03/10/15 19:50
600-107925-10	LPTX0310T001	Water	03/10/15 00:00	03/10/15 19:50

TestAmerica Houston

Client Sample Results

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Client Sample ID: LPTX0310D001-S

Lab Sample ID: 600-107925-1

Date Collected: 03/10/15 12:55

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	5.17		2.50	0.220	mg/L			03/10/15 19:57	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115		70 - 130					03/10/15 19:57	500
Dibromofluoromethane	113		62 - 130					03/10/15 19:57	500
4-Bromofluorobenzene	110		67 - 139					03/10/15 19:57	500
1,2-Dichloroethane-d4 (Surr)	118		50 - 134					03/10/15 19:57	500

Client Sample ID: LPTX0310D001-M

Lab Sample ID: 600-107925-2

Date Collected: 03/10/15 13:15

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	3.40		2.50	0.220	mg/L			03/10/15 20:21	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130					03/10/15 20:21	500
Dibromofluoromethane	113		62 - 130					03/10/15 20:21	500
4-Bromofluorobenzene	112		67 - 139					03/10/15 20:21	500
1,2-Dichloroethane-d4 (Surr)	118		50 - 134					03/10/15 20:21	500

Client Sample ID: LPTX0310D001-D

Lab Sample ID: 600-107925-3

Date Collected: 03/10/15 13:40

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	1.74		0.100	0.00880	mg/L			03/11/15 13:57	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130					03/11/15 13:57	20
Dibromofluoromethane	121		62 - 130					03/11/15 13:57	20
4-Bromofluorobenzene	108		67 - 139					03/11/15 13:57	20
1,2-Dichloroethane-d4 (Surr)	125		50 - 134					03/11/15 13:57	20

Client Sample ID: LPTX0310D002-S

Lab Sample ID: 600-107925-4

Date Collected: 03/10/15 14:25

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	4.32		2.50	0.220	mg/L			03/10/15 21:10	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130					03/10/15 21:10	500
Dibromofluoromethane	114		62 - 130					03/10/15 21:10	500
4-Bromofluorobenzene	114		67 - 139					03/10/15 21:10	500
1,2-Dichloroethane-d4 (Surr)	118		50 - 134					03/10/15 21:10	500

TestAmerica Houston

Client Sample Results

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Client Sample ID: LPTX0310D002-M

Lab Sample ID: 600-107925-5

Date Collected: 03/10/15 14:35

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.676		0.0500	0.00440	mg/L			03/11/15 14:46	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		70 - 130					03/11/15 14:46	10
Dibromofluoromethane	120		62 - 130					03/11/15 14:46	10
4-Bromofluorobenzene	111		67 - 139					03/11/15 14:46	10
1,2-Dichloroethane-d4 (Surr)	123		50 - 134					03/11/15 14:46	10

Client Sample ID: LPTX0310D002-D

Lab Sample ID: 600-107925-6

Date Collected: 03/10/15 15:05

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.257		0.0250	0.00220	mg/L			03/11/15 14:22	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130					03/11/15 14:22	5
Dibromofluoromethane	115		62 - 130					03/11/15 14:22	5
4-Bromofluorobenzene	110		67 - 139					03/11/15 14:22	5
1,2-Dichloroethane-d4 (Surr)	120		50 - 134					03/11/15 14:22	5

Client Sample ID: LPTX0310D003-S

Lab Sample ID: 600-107925-7

Date Collected: 03/10/15 15:25

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.441		0.0500	0.00440	mg/L			03/11/15 15:10	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130					03/11/15 15:10	10
Dibromofluoromethane	116		62 - 130					03/11/15 15:10	10
4-Bromofluorobenzene	108		67 - 139					03/11/15 15:10	10
1,2-Dichloroethane-d4 (Surr)	122		50 - 134					03/11/15 15:10	10

Client Sample ID: LPTX0310W004

Lab Sample ID: 600-107925-8

Date Collected: 03/10/15 13:16

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0167		0.00500	0.000440	mg/L			03/11/15 11:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		70 - 130					03/11/15 11:58	1
Dibromofluoromethane	114		62 - 130					03/11/15 11:58	1
4-Bromofluorobenzene	111		67 - 139					03/11/15 11:58	1
1,2-Dichloroethane-d4 (Surr)	118		50 - 134					03/11/15 11:58	1

TestAmerica Houston

Client Sample Results

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Client Sample ID: LPTX0310W005

Lab Sample ID: 600-107925-9

Date Collected: 03/10/15 14:15

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.0215		0.00500	0.000440	mg/L			03/11/15 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		03/11/15 12:22	1
Dibromofluoromethane	117		62 - 130		03/11/15 12:22	1
4-Bromofluorobenzene	108		67 - 139		03/11/15 12:22	1
1,2-Dichloroethane-d4 (Surr)	117		50 - 134		03/11/15 12:22	1

Client Sample ID: LPTX0310T001

Lab Sample ID: 600-107925-10

Date Collected: 03/10/15 00:00

Matrix: Water

Date Received: 03/10/15 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/11/15 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		03/11/15 12:46	1
Dibromofluoromethane	118		62 - 130		03/11/15 12:46	1
4-Bromofluorobenzene	106		67 - 139		03/11/15 12:46	1
1,2-Dichloroethane-d4 (Surr)	118		50 - 134		03/11/15 12:46	1

TestAmerica Houston

Definitions/Glossary

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DBFM (62-130)	BFB (67-139)	12DCE (50-134)
600-107925-1	LPTX0310D001-S	115	113	110	118
600-107925-2	LPTX0310D001-M	113	113	112	118
600-107925-3	LPTX0310D001-D	113	121	108	125
600-107925-3 MS	LPTX0310D001-D	117	118	110	118
600-107925-3 MSD	LPTX0310D001-D	112	116	110	118
600-107925-4	LPTX0310D002-S	113	114	114	118
600-107925-5	LPTX0310D002-M	116	120	111	123
600-107925-6	LPTX0310D002-D	114	115	110	120
600-107925-7	LPTX0310D003-S	112	116	108	122
600-107925-8	LPTX0310W004	116	114	111	118
600-107925-9	LPTX0310W005	113	117	108	117
600-107925-10	LPTX0310T001	114	118	106	118
LCS 600-157599/12	Lab Control Sample	106	98	97	100
LCS 600-157688/3	Lab Control Sample	114	116	117	113
LCSD 600-157599/13	Lab Control Sample Dup	101	99	100	101
LCSD 600-157688/4	Lab Control Sample Dup	120	114	113	116
MB 600-157599/15	Method Blank	100	99	98	100
MB 600-157688/6	Method Blank	113	115	108	116

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

QC Sample Results

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-157599/15

Matrix: Water

Analysis Batch: 157599

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/10/15 15:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130					03/10/15 15:56	1
Dibromofluoromethane	99		62 - 130					03/10/15 15:56	1
4-Bromofluorobenzene	98		67 - 139					03/10/15 15:56	1
1,2-Dichloroethane-d4 (Surr)	100		50 - 134					03/10/15 15:56	1

Lab Sample ID: LCS 600-157599/12

Matrix: Water

Analysis Batch: 157599

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	0.0500	0.04680		mg/L		94	63 - 134
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	106		70 - 130				
Dibromofluoromethane	98		62 - 130				
4-Bromofluorobenzene	97		67 - 139				
1,2-Dichloroethane-d4 (Surr)	100		50 - 134				

Lab Sample ID: LCSD 600-157599/13

Matrix: Water

Analysis Batch: 157599

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.0500	0.04631		mg/L		93	63 - 134	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	101		70 - 130						
Dibromofluoromethane	99		62 - 130						
4-Bromofluorobenzene	100		67 - 139						
1,2-Dichloroethane-d4 (Surr)	101		50 - 134						

Lab Sample ID: MB 600-157688/6

Matrix: Water

Analysis Batch: 157688

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/11/15 11:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130					03/11/15 11:34	1
Dibromofluoromethane	115		62 - 130					03/11/15 11:34	1
4-Bromofluorobenzene	108		67 - 139					03/11/15 11:34	1
1,2-Dichloroethane-d4 (Surr)	116		50 - 134					03/11/15 11:34	1

TestAmerica Houston

QC Sample Results

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-157688/3

Matrix: Water

Analysis Batch: 157688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte				Spike	LCS	LCS				%Rec.
				Added	Result	Qualifier	Unit	D	%Rec	Limits
Methyl tert-butyl ether				0.0500	0.04984		mg/L		100	63 - 134
Surrogate	LCS	LCS								
	%Recovery	Qualifier		Limits						
Toluene-d8 (Surr)	114			70 - 130						
Dibromofluoromethane	116			62 - 130						
4-Bromofluorobenzene	117			67 - 139						
1,2-Dichloroethane-d4 (Surr)	113			50 - 134						

Lab Sample ID: LCSD 600-157688/4

Matrix: Water

Analysis Batch: 157688

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether			0.0500	0.04840		mg/L	—	97	63 - 134	3	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
	Toluene-d8 (Surr)	120	70 - 130								
	Dibromofluoromethane	114	62 - 130								
	4-Bromofluorobenzene	113	67 - 139								
	1,2-Dichloroethane-d4 (Surr)	116	50 - 134								

Lab Sample ID: 600-107925-3 MS

Matrix: Water

Analysis Batch: 157688

Client Sample ID: LPTX0310D001-D

Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Methyl tert-butyl ether	1.74		1.00	2.750		mg/L		101	63 - 134		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
Toluene-d8 (Surr)	117		70 - 130								
Dibromofluoromethane	118		62 - 130								
4-Bromofluorobenzene	110		67 - 139								
1,2-Dichloroethane-d4 (Surr)	118		50 - 134								

Lab Sample ID: 600-107925-3 MSD

Matrix: Water

Analysis Batch: 157688

Client Sample ID: LPTX0310D001-D

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Methyl tert-butyl ether	1.74		1.00	3.006		mg/L		127	63 - 134	9	25
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
Toluene-d8 (Surr)	112		70 - 130								
Dibromofluoromethane	116		62 - 130								
4-Bromofluorobenzene	110		67 - 139								
1,2-Dichloroethane-d4 (Surr)	118		50 - 134								

TestAmerica Houston

QC Association Summary

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

GC/MS VOA

Analysis Batch: 157599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107925-1	LPTX0310D001-S	Total/NA	Water	8260B	
600-107925-2	LPTX0310D001-M	Total/NA	Water	8260B	
600-107925-4	LPTX0310D002-S	Total/NA	Water	8260B	
LCS 600-157599/12	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-157599/13	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 600-157599/15	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 157688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107925-3	LPTX0310D001-D	Total/NA	Water	8260B	
600-107925-3 MS	LPTX0310D001-D	Total/NA	Water	8260B	
600-107925-3 MSD	LPTX0310D001-D	Total/NA	Water	8260B	
600-107925-5	LPTX0310D002-M	Total/NA	Water	8260B	
600-107925-6	LPTX0310D002-D	Total/NA	Water	8260B	
600-107925-7	LPTX0310D003-S	Total/NA	Water	8260B	
600-107925-8	LPTX0310W004	Total/NA	Water	8260B	
600-107925-9	LPTX0310W005	Total/NA	Water	8260B	
600-107925-10	LPTX0310T001	Total/NA	Water	8260B	
LCS 600-157688/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-157688/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 600-157688/6	Method Blank	Total/NA	Water	8260B	

TestAmerica Houston

Lab Chronicle

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Client Sample ID: LPTX0310D001-S

Date Collected: 03/10/15 12:55

Date Received: 03/10/15 19:50

Lab Sample ID: 600-107925-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	5 mL	5 mL	157599	03/10/15 19:57	KLV	TAL HOU

Client Sample ID: LPTX0310D001-M

Date Collected: 03/10/15 13:15

Date Received: 03/10/15 19:50

Lab Sample ID: 600-107925-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	5 mL	5 mL	157599	03/10/15 20:21	KLV	TAL HOU

Client Sample ID: LPTX0310D001-D

Date Collected: 03/10/15 13:40

Date Received: 03/10/15 19:50

Lab Sample ID: 600-107925-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	157688	03/11/15 13:57	KLV	TAL HOU

Client Sample ID: LPTX0310D002-S

Date Collected: 03/10/15 14:25

Date Received: 03/10/15 19:50

Lab Sample ID: 600-107925-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		500	5 mL	5 mL	157599	03/10/15 21:10	KLV	TAL HOU

Client Sample ID: LPTX0310D002-M

Date Collected: 03/10/15 14:35

Date Received: 03/10/15 19:50

Lab Sample ID: 600-107925-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	157688	03/11/15 14:46	KLV	TAL HOU

Client Sample ID: LPTX0310D002-D

Date Collected: 03/10/15 15:05

Date Received: 03/10/15 19:50

Lab Sample ID: 600-107925-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	157688	03/11/15 14:22	KLV	TAL HOU

TestAmerica Houston

Lab Chronicle

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Client Sample ID: LPTX0310D003-S

Lab Sample ID: 600-107925-7

Date Collected: 03/10/15 15:25

Matrix: Water

Date Received: 03/10/15 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	157688	03/11/15 15:10	KLV	TAL HOU

Client Sample ID: LPTX0310W004

Lab Sample ID: 600-107925-8

Date Collected: 03/10/15 13:16

Matrix: Water

Date Received: 03/10/15 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	157688	03/11/15 11:58	KLV	TAL HOU

Client Sample ID: LPTX0310W005

Lab Sample ID: 600-107925-9

Date Collected: 03/10/15 14:15

Matrix: Water

Date Received: 03/10/15 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	157688	03/11/15 12:22	KLV	TAL HOU

Client Sample ID: LPTX0310T001

Lab Sample ID: 600-107925-10

Date Collected: 03/10/15 00:00

Matrix: Water

Date Received: 03/10/15 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	157688	03/11/15 12:46	KLV	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TestAmerica Houston

Certification Summary

Client: Center for Toxicology & Env Health LLC
Project/Site: 107085

TestAmerica Job ID: 600-107925-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-15
Louisiana	NELAP	6	30643	06-30-15
Oklahoma	State Program	6	1309	08-31-15
Texas	NELAP	6	T104704223	10-31-15
USDA	Federal		P330-14-00192	06-06-17
Utah	NELAP	8	TX00083	11-30-15

TestAmerica Houston

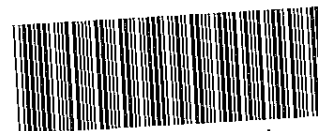
Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Te

THE LI



600-107925 Chain of Custody

TAL-4124 (1007)

Client CTEH			Project Manager [Redacted]			Date 3/10/15	Chain of Custody Number 279825
Address 5120 Northshore Drive			Telephone Number (Area Code)/Fax Number [Redacted]			Lab Number	Page 1 of 1
City N. Little Rock	State AR	Zip Code 72113	Site Contact [Redacted]		Lab Contact [Redacted]	Analysis (Attach list if more space is needed)	
Project Name and Location (State)			Carrier/Waybill Number		Special Instructions/Conditions of Receipt		

Contract/Purchase Order/Quote No. Project # 107085			Matrix				Containers & Preservatives						83606	Special Instructions/Conditions of Receipt
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH		
LPTX0310D001-S	3/10/15	1255	-	X	—	—					2	—	X	not used JAS
LPTX0310D001-M		1315	-	X	—	—					2	—	X	
LPTX0310D001-D		1340	-	X	—	—					2	—	X	
LPTX0310D002-S		1425	-	X	—	—					2	—	X	
LPTX0310D002-M		1435	-	X	—	—					2	—	X	
LPTX0310D002-D		1505	-	X	—	—					2	—	X	
LPTX0310D003-S		1525	-	X	—	—					2	—	X	
LPTX0310W004		1316	-	X	—	—					2	—	X	
LPTX0310W005		1415	-	X	—	—					2	—	X	
LPTX0310T001		—		X	—	—					2	—	X	
			not	used										
			JAS											

Possible Hazard Identification				Sample Disposal				(A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	☐ Return To Client	☒ Disposal By Lab	☐ Archive For _____ Months				

Turn Around Time Required				QC Requirements (Specify)			
☒ 24 Hours	☐ 48 Hours	☐ 7 Days	☐ 14 Days	☐ 21 Days	☐ Other _____		

1. Relinquished By		Date	Time	2. Relinquished By		Date	Time
[Redacted]		3-10-15	1842	[Redacted]		3-10-15	1842
3. Relinquished By		Date	Time	4. Relinquished By		Date	Time
[Redacted]		3-10-15	1950	[Redacted]		3-10-15	1950

Comments: **Only run samples for MTBE, 1-S, 2-S, 3-S may be slightly elevated in MTBE**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Sample Receipt

Loc: 600
107925

le Received.

JOB NUMBER:

CLIENT:

CTEH

UNPACKED BY:

CARRIER/DRIVER:

bb courier

Custody Seal Present:

☒ YES☐ NO

Number of Coolers Received:

1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
BW	Y / N	Y / N	25	686	-1	2.4
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice?

☒ YES☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED:

☒ NO☐ YES

Base samples are >pH 12

☐ YES☐ NO

Acid preserved are <pH 2:

☐ YES☐ NO

pH paper Lot #

VOA headspace acceptable (5-6mm):

☒ YES☐ NO☐ N/A

YES NO

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?

COMMENTS:

Login Sample Receipt Checklist

Client: Center for Toxicology & Env Health LLC

Job Number: 600-107925-1

Login Number: 107925

List Source: TestAmerica Houston

List Number: 1

Creator: XXXXXXXXXX

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	2.4
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.