### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

### ANALYTICAL RESULTS

Prepared by: Prepared for:

Eurofins Lancaster Laboratories Environmental 2425 New Holland Pike Lancaster, PA 17601 ExxonMobil PO Box 4592 Houston TX 77210-4592

January 19, 2015

Project: Mayflower, AR Pipeline Incident

Submittal Date: 01/14/2015 Group Number: 1531093 SDG: PEO50 PO Number: 4410272923 Release Number: SIXSMITH State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-007(0.5-1.0)011315 Grab Surface Water	7738698
WS-009(Surface)011315 Grab Surface Water	7738699
WS-001(0.5-1.0)011315 Grab Surface Water	7738700
WS-021(Surface)011315 Grab Surface Water	7738701
WS-004(0.5-1.0)011315 Grab Surface Water	7738702

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <a href="http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/">http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/</a>.

ELECTRONIC	ARCADIS	Attn: Stephen Barrick
COPY TO		
ELECTRONIC	ARCADIS	Attn: Lyndi Mott
COPY TO		
ELECTRONIC	ExxonMobil	Attn: Michael J. Firth
COPY TO		
ELECTRONIC	ARCADIS	Attn: Emily Leamer
COPY TO		
ELECTRONIC	ARCADIS	Attn: Rhiannon Parmelee
COPY TO		
ELECTRONIC	ExxonMobil	Attn: Michael L Sixsmith
COPY TO		
ELECTRONIC	ExxonMobil	Attn: Julie Foster
COPY TO		

### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

ELECTRONIC COPY TO ARCADIS

Attn: Sonal Patil

COPY TO ELECTRONIC COPY TO

ARCADIS

Attn: Kim Abbott

Katherine a. Klinefelter

Respectfully Submitted,

Katherine A. Klinefelter Principal Specialist

(717) 556-7256



Project Name: Mayflower, AR Pipeline Incident LL Group #: 1531093

#### General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

### **Analysis Specific Comments:**

### SW-846 8270C SIM, GC/MS Semivolatiles

Sample #s: 7738698, 7738699, 7738700, 7738701, 7738702 The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.



# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: WS-007(0.5-1.0)011315 Grab Surface Water

LL Sample # WW 7738698 LL Group # 1531093 S20135565 Mayflower, AR Pipeline Incident Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/13/2015 14:10 by ZP ExxonMobil PO Box 4592

Submitted: 01/14/2015 09:20 Houston TX 77210-4592

Reported: 01/19/2015 11:06

07051 SDG#: PEO50-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846	8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b) fluoranthene	205-99-2	0.013 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	0.014 J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.018 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.061	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.061	1
08357	Pyrene	129-00-0	0.014 J	0.010	0.051	1
The	laboratory did not receive su	fficient sample vo	lume to perform			
the i	method OC requirement for MS/I	MSD or MS/DUP anal	vsis.			

the method QC requirement for MS/MSD or MS/DUP analysis.

#### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15015WAB026	01/16/2015	02:31	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15015WAB026	01/15/2015	09:30	David S Schrum	1



# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: WS-009(Surface)011315 Grab Surface Water

S20135565 Mayflower, AR

Pipeline Incident

LL Sample # WW 7738699

LL Group # 1531093 Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/13/2015 14:15 by ZP ExxonMobil PO Box 4592

Houston TX 77210-4592

Submitted: 01/14/2015 09:20 Reported: 01/19/2015 11:06

09SRF SDG#: PEO50-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846	8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b) fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k) fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.061	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.061	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	laboratory did not receive su					

the method QC requirement for MS/MSD or MS/DUP analysis.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15015WAB026	01/16/2015	02:58	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15015WAB026	01/15/2015	09:30	David S Schrum	1



## Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: WS-001(0.5-1.0)011315 Grab Surface Water

LL Sample # WW 7738700 S20135565 Mayflower, AR LL Group # 1531093 Pipeline Incident Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/13/2015 14:25 by ZP ExxonMobil PO Box 4592

Houston TX 77210-4592

Submitted: 01/14/2015 09:20 Reported: 01/19/2015 11:06

01051 SDG#: PEO50-03

				As Received	As Received	
CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846	8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b) fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.061	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.061	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	laboratory did not receive sumethod QC requirement for MS/N					

#### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15015WAB026	01/16/2015	03:26	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15015WAB026	01/15/2015	09:30	David S Schrum	1



# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: WS-021(Surface)011315 Grab Surface Water

S20135565 Mayflower, AR

Pipeline Incident

LL Sample # WW 7738701

LL Group # 1531093 Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/13/2015 14:30 by ZP ExxonMobil PO Box 4592

Houston TX 77210-4592

Submitted: 01/14/2015 09:20 Reported: 01/19/2015 11:06

21SRF SDG#: PEO50-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846	8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b) fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k) fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.063	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.063	1
08357	Pyrene	129-00-0	N.D.	0.011	0.053	1
	laboratory did not receive suf					

the method QC requirement for MS/MSD or MS/DUP analysis.

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15015WAB026	01/16/2015	03:53	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15015WAB026	01/15/2015	09:30	David S Schrum	1



## Analysis Report

# 14739

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: WS-004(0.5-1.0)011315 Grab Surface Water

LL Sample # WW 7738702 S20135565 Mayflower, AR LL Group # 1531093 Pipeline Incident Account

Project Name: Mayflower, AR Pipeline Incident

ExxonMobil

PO Box 4592 Submitted: 01/14/2015 09:20

by ZP

Houston TX 77210-4592

Reported: 01/19/2015 11:06

Collected: 01/13/2015 14:35

04051 SDG#: PEO50-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles SW-846	8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b) fluoranthene	205-99-2	0.012 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	0.013 J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.017 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.062	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.062	1
08357	Pyrene	129-00-0	0.011 J	0.010	0.051	1
	laboratory did not receive suf method QC requirement for MS/N					

### General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	15015WAB026	01/16/2015	04:20	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	15015WAB026	01/15/2015	09:30	David S Schrum	1



# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

### Quality Control Summary

Client Name: ExxonMobil Group Number: 1531093

Reported: 01/19/15 at 11:06 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank MDL**	Blank <u>LOQ</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD <u>Max</u>
Batch number: 15015WAB026	Sample num	ber(s): 77	738698-773	8702					
Acenaphthene	N.D.	0.010	0.050	ug/l	103	97	82-126	6	30
Acenaphthylene	N.D.	0.010	0.050	uq/l	103	96	72-124	7	30
Anthracene	N.D.	0.010	0.050	ug/l	105	99	83-125	5	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	88	84	79-122	4	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	99	97	72-126	3	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	98	96	79-136	3	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	77	78	59-137	1	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	107	106	72-129	2	30
Chrysene	N.D.	0.010	0.050	ug/l	114	110	77-122	4	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	66	69	42-143	4	30
Fluoranthene	N.D.	0.010	0.050	ug/l	101	96	76-121	6	30
Fluorene	N.D.	0.010	0.050	ug/l	105	98	82-119	7	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	70	72	53-136	2	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	103	97	75-117	6	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	99	95	68-124	4	30
Naphthalene	N.D.	0.030	0.060	ug/l	103	99	78-117	5	30
Phenanthrene	N.D.	0.030	0.060	ug/l	105	100	83-116	5	30
Pyrene	N.D.	0.010	0.050	ug/l	102	97	70-124	5	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PAHs in waters by SIM

Batch number: 15015WAB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene- d10
7738698	96	93	91
7738699	101	102	94
7738700	91	92	94
7738701	99	93	93
7738702	93	92	89
Blank	98	98	96
LCS	95	105	98
LCSD	89	102	91
Limits:	56-134	36-156	59-132

<sup>\*-</sup> Outside of specification

<sup>\*\*-</sup>This limit was used in the evaluation of the final result for the blank

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The unspiked result was more than four times the spike added.



# Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

### Quality Control Summary

Client Name: ExxonMobil Group Number: 1531093

Reported: 01/19/15 at 11:06 AM

Surrogate Quality Control

<sup>\*-</sup> Outside of specification

<sup>\*\*-</sup>This limit was used in the evaluation of the final result for the blank

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The unspiked result was more than four times the spike added.

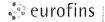
# ExxonMobil Analysis Request/Chain of Custody

- 9			-	~-		
	61	Ir	'N1	1	n	8
200	~ "	<i>-</i> 11 E	v		0 8	J

**Lancaster Laboratories** Environmental

Acct. # 14739	>
---------------	---

1) Client Inf	ormation		an in Siring Sparkers	(4)	Matrix			(5)		Analy	/ses	Requ	ieste	ed			SCR#:	
Facility #/SID	. / (									Pre	serva	tion (	Code					
May flower Poeline Inc	ident			_	I												Preservation Codes	
Sile Address	,													ĺ		Ministra	H = HCl T = Thiosulfat	.e
ExxonMobil PM	Cost Center/AFE			<b>-</b>	ace									l			$N = HNO_3$ $B = NaOH$ $S = H_2SO_4$ $O = Other$	
Acultanus Preline Inc.  Site Address  ExxonMobil PM  Mike SixSMH  Consultant/Office	_				Ground											ŀ	6 Remarks	
Consultant/Office				Je l			<sub>0</sub>	S/W								Ì	Kemarks	
Area J. B. Consultant PM				ediment		_	ner											
Consultant PM	Consultant Phone #	ŧ		Se	Potable NPDES	Air	Total # of Containers	22										
Steve Barriell			3)	<u>e</u>	Pot		ပိ	28								a a s		
Zac Ponnis				Composite Soil			# o											
2)	Colle		Grab	Ĕ l =	Water		tal	PAIT					1					
Sample Identification	Date	Time		Soil	\$	ö	DESCRIPTION OF THE PARTY OF THE											
WS-007 (0.5-1.0)011315	1.13.15	1410	X				2	X										
W5-009 (Surface) 011315	1.13.15	1415	X		LX_		2	X										
WS-001(0,5-1,0)011315	1.13.15	1425	X		X		2	X										
WS-021 (Surface)011315	1.13.15	1430	X		X		2	×										
WS-004 (0.5-1.0) 011315	1013.15	1435	X		X		2	X										
						***************************************					-			_		_		
							$\supset$			_	-			_	_			
				_					_		-	$\vdash$				_		
			_					ackslash	_	_	<del> </del>		4					
		16			ļ													
											with the instruction							
7) Turnaround Time Requested (TA	<b>T)</b> (please circle)	Relinquished	by				Date		Tir	nė		Receiv	ed by				Date Time	(39)
Standard 5 day	4 day	Relinguished	by				Date		Tir	ne		Receiv	ed by				Date   Time	<u> </u>
		2.Pm	, n	1				3/19	5 1	63 <u>(</u>	0	1100011	( )	1P	<		Date	
72 hour 48 hour	24 hour	Relinquished	by	>	-		Date	1	Tir	ne		Receiv	ed by				Date Time	
	<b>D</b> (circle if required)							***				ļ	1			<u> </u>		
	cus EIM (default)	l l	by Com				<u>~</u>	·				Receiv	ed by	1	//1	/	Date Time	
Type VI (Raw Data)  NJ Reduced	her	_ UPS_	<del>X</del>		edEx			her			The state of the s	[ / )	lr/	7-6	16			
Other			Tem	peratui	e Upon R	eceip	t <u>~</u>	5	°C	;		No. 14 (1975)	Cust	ody S	Seals	Inta	ct? (Yes) No	,



### Sample Administration Receipt Documentation Log

Doc Log ID:

50556

Group Number(s): 1531093

Client: ExxonMobil

**Delivery and Receipt Information** 

Delivery Method:

**UPS** 

Arrival Timestamp:

01/14/2015 9:20

Number of Packages:

1

Number of Projects:

1

State/Province of Origin:

AR

**Arrival Condition Summary** 

Shipping Container Sealed:

Yes

Sample IDs on COC match Containers:

Yes

**Custody Seal Present:** 

Yes

Sample Date/Times match COC:

Yes

**Custody Seal Intact:** 

Yes

VOA Vial Headspace ≥ 6mm:

N/A

Samples Chilled:

Yes

Total Trip Blank Qty:

0

Paperwork Enclosed:

Yes

Air Quality Samples Present:

No

Samples Intact:

Yes

Missing Samples:

No

Extra Samples:

No

Discrepancy in Container Qty on COC:

No

Unpacked by Brandy Barclay (2299) at 10:49 on 01/14/2015

Samples Chilled Details

Thermometer Types:

DT = Digital (Temp. Bottle)

IR = Infrared (Surface Temp)

All Temperatures in °C.

Cooler # Thermometer ID

Page 1 of 1

Corrected Temp

Therm. Type DT

Ice Present? Ice Type

Ice Container

Elevated Temp?

1

DT146

2.5

Wet

Υ

Bagged

Ν



### **Explanation of Symbols and Abbreviations**

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
μg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	Ĺ	liter(s)
m3	cubic meter(s)	μL	microliter(s)
		pg/L	picogram/liter

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
- ppb parts per billion
- **Dry weight**basis
  Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C - result confirmed by reanalysis.

**J** - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

	Organic Qualifiers		Inorganic Qualifiers
Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	Ε	Estimated due to interference
С	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
Ε	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
	the instrument		for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
Р	Concentration difference between primary and	W	Post digestion spike out of control limits
	confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA < 0.995
X,Y,Z	Defined in case narrative		

### Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.