

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ExxonMobil
Mobil Pipeline Company
PO Box 4416
Houston TX 77210-4416

August 18, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 08/13/2013

Group Number: 1410958

SDG: PEK52

PO Number: ARCADIS

Release Number: MAYFLOWER 1406

State of Sample Origin: AR

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
WS-014(1.5-2.0)081213 Filt Grab Surface Water	7158532
WS-014(5.5-6.0)081213 Filt Grab Surface Water	7158533
WS-012(1.5-2.0)081213 Filt Grab Surface Water	7158534
WS-012(5.0-5.5)081213 Filt Grab Surface Water	7158535
WS-010(1.5-2.0)081213 Filt Grab Surface Water	7158536
WS-010(3.5-4.0)081213 Filt Grab Surface Water	7158537
WS-006(0.5-1.0)081213 Filt Grab Surface Water	7158538
WS-005(Surface)081213 Filt Grab Surface Water	7158539
WS-011(1.5-2.0)081213 Filt Grab Surface Water	7158540
WS-011(5.0-5.5)081213 Filt Grab Surface Water	7158541
WS-003(Surface)081213 Filt Grab Surface Water	7158542
WS-002(Surface)081213 Filt Grab Surface Water	7158543
WS-018(Surface)081213 Filt Grab Surface Water	7158544
WS-007(0.5-1.0)081213 Filt Grab Surface Water	7158545
WS-001(0.5-1.0)081213 Filt Grab Surface Water	7158546
WS-008(Surface)081213 Filt Grab Surface Water	7158547
WS-BKG-002(Surface)081213 Filt Grab Surface Water	7158548
WS-EB-28-081213 Filt Grab Water	7158549
DUP-WS-70-081213 Filt Grab Surface Water	7158550

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

ELECTRONIC COPY TO
ELECTRONIC COPY TO

ARCADIS
ARCADIS

Attn: Stephen Barrick

Attn: Lyndi Mott

ELECTRONIC COPY TO	ExxonMobil	Attn: Michael J. Firth
ELECTRONIC COPY TO	ARCADIS	Attn: Emily Leamer
ELECTRONIC COPY TO	ARCADIS	Attn: Rhiannon Parmalee
ELECTRONIC COPY TO	ARCADIS	Attn: Jamie Pritchard
ELECTRONIC COPY TO	ExxonMobil	Attn: Michael L Sixsmith
ELECTRONIC COPY TO	ExxonMobil	Attn: Julie Foster
ELECTRONIC COPY TO	ExxonMobil	Attn: Carl Wideman

Respectfully Submitted,



Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1410958

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:

No additional comments are necessary.

Sample Description: WS-014(1.5-2.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158532
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 08:20 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

141D- SDG#: PEK52-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0126	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 22:33	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 01:36	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

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

Sample Description: WS-014(5.5-6.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158533
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 08:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

142D- SDG#: PEK52-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0150	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 22:37	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 01:44	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-012(1.5-2.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158534
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 08:40 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

121D- SDG#: PEK52-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0124	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 22:49	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 01:46	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-012(5.0-5.5)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158535
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 08:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

122D- SDG#: PEK52-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0107	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 22:52	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 01:48	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-010(1.5-2.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158536
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 09:00 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

101D- SDG#: PEK52-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0117	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 22:56	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 01:50	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-010(3.5-4.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158537
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 09:10 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

102D- SDG#: PEK52-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0130	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:00	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:01	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-006(0.5-1.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158538
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 09:30 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

006D- SDG#: PEK52-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0149	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:04	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:03	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-005 (Surface) 081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158539
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 09:50 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

005D- SDG#: PEK52-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0135	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:08	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:05	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-011(1.5-2.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158540
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 10:40 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

111D- SDG#: PEK52-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0138	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:12	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:07	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

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

Sample Description: WS-011(5.0-5.5)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158541
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 10:50 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

112D- SDG#: PEK52-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0115	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:15	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:09	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-003 (Surface) 081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158542
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 11:00 by HVA

ExxonMobil
Mobil Pipeline Company
PO Box 4416
Houston TX 77210-4416

Submitted: 08/13/2013 09:20

Reported: 08/18/2013 09:11

003D- SDG#: PEK52-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0129	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:19	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:11	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

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

Sample Description: WS-002 (Surface) 081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158543
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 10:00 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

002D- SDG#: PEK52-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
	SW-846 6010B		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0137	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:23	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:14	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-018 (Surface) 081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158544
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 10:20 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

018D- SDG#: PEK52-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0260	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 22:10	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:16	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

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)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158545
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 11:20 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

007D- SDG#: PEK52-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0207	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:35	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:18	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-001(0.5-1.0)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158546
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 11:30 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 08/13/2013 09:20 PO Box 4416
Reported: 08/18/2013 09:11 Houston TX 77210-4416

001D- SDG#: PEK52-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0202	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:38	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:20	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-008 (Surface) 081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158547
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 11:40 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

008D- SDG#: PEK52-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0262	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.0060 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:42	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:26	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: WS-BKG-002(Surface)081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158548
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 12:00 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

BKGD- SDG#: PEK52-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0243	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.0016 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:46	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:28	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: **WS-EB-28-081213 Filt Grab Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7158549**
 LL Group # **1410958**
 Account # **14739**

Project Name: **Mayflower, AR Pipeline Incident**

Collected: 08/12/2013 12:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

E28D- SDG#: PEK52-18EB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
	SW-846 6010B		mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0010 J	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:50	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:30	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Sample Description: DUP-WS-70-081213 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158550
LL Group # 1410958
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/12/2013 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/13/2013 09:20

PO Box 4416

Reported: 08/18/2013 09:11

Houston TX 77210-4416

D70D- SDG#: PEK52-19FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0154	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07046	Barium	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07051	Chromium	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07055	Lead	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07061	Nickel	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07036	Selenium	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07066	Silver	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132251848006	08/17/2013 23:54	John P Hook	1
00259	Mercury	SW-846 7470A	1	132255713005	08/16/2013 02:32	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848006	08/14/2013 17:05	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713005	08/14/2013 12:31	Katlin N Cataldi	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ExxonMobil
Reported: 08/18/13 at 09:11 AM

Group Number: 1410958

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

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 132251848006	Sample number(s): 7158532-7158550								
Arsenic	N.D.	0.0068	0.0200	mg/l	97		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	95		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	96		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	95		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	96		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	98		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	93		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	108		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	97		90-110		
Batch number: 132255713005	Sample number(s): 7158532-7158550								
Mercury	N.D.	0.00006	0.00020	mg/l	101		80-120		
		0							

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 132251848006	Sample number(s): 7158532-7158550 UNSPK: 7158544 BKG: 7158544								
Arsenic	99	101	81-123	3	20	N.D.	N.D.	0 (1)	20
Barium	98	98	78-118	0	20	0.0260	0.0276	6	20
Cadmium	97	97	83-116	1	20	N.D.	N.D.	0 (1)	20
Chromium	98	98	81-120	0	20	N.D.	N.D.	0 (1)	20
Lead	98	97	75-125	1	20	N.D.	N.D.	0 (1)	20
Nickel	100	100	86-115	1	20	N.D.	N.D.	0 (1)	20
Selenium	96	94	75-125	2	20	N.D.	N.D.	0 (1)	20
Silver	112	111	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	99	100	90-111	1	20	N.D.	N.D.	0 (1)	20
Batch number: 132255713005	Sample number(s): 7158532-7158550 UNSPK: 7158532 BKG: 7158532								
Mercury	102	102	80-120	0	20	N.D.	N.D.	0 (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

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

(2) The unspiked result was more than four times the spike added.

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only

Group # 1410958

Sample # 7158532-50

Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information				4 Matrix				5 Analyses Requested						6 Remarks		
Facility #/SID <u>Mayflower Pipeline Incident</u>				Sediment <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>	Ground <input type="checkbox"/> Surface <input checked="" type="checkbox"/>	Preservation Code						SCR#: _____				
Site Address <u>Mayflower, AR</u>						H HCl T Thiosulfate N HNO ₃ B NaOH S H ₂ SO ₄ O Other										
ExxonMobil PM <u>Scott Bushroe</u>		Cost Center/AFE				Total # of Containers <u>VOCs 8260B</u> <u>PAHs 8270 SIM</u> <u>PCRA Metals Ni, V, Cr, Mg</u> <u>Diss Metals</u> <u>HEM Oil & Grease</u>						Lab to filter & preserve diss metals upon receipt				
Consultant/Office <u>Arcadis</u>																
Consultant PM <u>Steve Barrick</u>		Consultant Phone # <u>919 202 6799</u>														
Sampler <u>H. Van Allen / M. Long</u>				3												
2 Sample Identification		Collected		Grab	Composite											
		Date	Time													
<u>WS-014(1.5-2.0)081213</u>		<u>8/12/13</u>	<u>820</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-014(5.5-6.0)081213</u>			<u>830</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-012(1.5-2.0)081213</u>			<u>840</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-012(5.0-5.5)081213</u>			<u>850</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-010(1.5-2.0)081213</u>			<u>900</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-010(3.5-4.0)081213</u>			<u>910</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-006(0.5-1.0)081213</u>			<u>930</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-005(Surface)081213</u>			<u>950</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-011(1.5-2.0)081213</u>			<u>1040</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-011(5.0-5.5)081213</u>			<u>1050</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-003(Surface)081213</u>			<u>1100</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
<u>WS-002(Surface)081213</u>			<u>1000</u>	<u>X</u>		<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		

7 Turnaround Time Requested (TAT) (please circle)			Relinquished by <u>H. Van Allen</u>		Date <u>8/12/13</u>	Time <u>1600</u>	Received by	Date	Time	9
Standard	<u>5 day</u>	4 day	Relinquished by		Date	Time	Received by	Date	Time	
72 hour	48 hour	24 hour	Relinquished by		Date	Time	Received by	Date	Time	
8 Data Package (circle if required)			EDD (circle if required)		Relinquished by Commercial Carrier			Received by		
					Type I - Full Type VI (Raw Data) NJ Reduced Other _____			Locus EIM (default) Other _____		UPS <u>X</u> FedEx _____ Other _____
Temperature Upon Receipt <u>0.5-4.7</u> °C						Custody Seals Intact? <u>Yes</u> No				

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only

Group # 1410958 Sample # 7158532-50

Instructions on reverse side correspond with circled numbers.

2 of 2

1 Client Information				4 Matrix			5 Analyses Requested										6 Remarks		
Facility #/SID <u>Mayflower Pipeline Incident</u>				Sediment <input type="checkbox"/>	Ground <input type="checkbox"/>	Surface <input checked="" type="checkbox"/>	Preservation Code										SCR#: _____ Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other		
Site Address <u>Mayflower, AR</u>							Potable <input type="checkbox"/>	NPDES <input type="checkbox"/>											
ExxonMobil PM <u>Scott Bushroe</u>		Cost Center/AFE		Soil <input type="checkbox"/>	Water <input type="checkbox"/>	Oil <input type="checkbox"/>	Total # of Containers											6 Remarks	
Consultant/Office <u>Arcadis</u>		Consultant Phone # <u>919 202 6799</u>																	
Consultant PM <u>Steve Barrick</u>		Sampler <u>H. Van Aller / M. Long</u>																	
2 Sample Identification			3 Collected																
Date	Time	Grab	Composite																
<u>WS-018(surface)081213</u>	<u>8/12/13</u>	<u>1020</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>WS-007(0.5-1.0)081213</u>		<u>1120</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>WS-001(0.5-1.0)081213</u>		<u>1130</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>WS-008(surface)081213</u>		<u>1140</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>WS-BK4-002(surface)081213</u>		<u>1200</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>WS-EB-28-081213</u>		<u>1230</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>7</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<u>WS-TB-122-081213</u>		<u>—</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>2</u>	<input checked="" type="checkbox"/>										
<u>DUP-WS-70-081213</u>	<u>8/12/13</u>	<u>—</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

7 Turnaround Time Requested (TAT) (please circle)			Relinquished by <u>H Van Aller</u>		Date <u>8/12/13</u>	Time <u>1600</u>	Received by	Date	Time	9
Standard	<u>3 day</u>	4 day	Relinquished by		Date	Time	Received by	Date	Time	
72 hour	48 hour	24 hour	Relinquished by		Date	Time	Received by	Date	Time	
8 Data Package (circle if required)			Relinquished by Commercial Carrier		Date		Received by		Date	Time
Type I - Full	Type VI (Raw Data)	NJ Reduced	Other	UPS <input checked="" type="checkbox"/>	FedEx	Other	<u>Cash</u>		<u>8/13/13</u>	<u>0920</u>
EDD (circle if required)			Locus EIM (default)		Other		Custody Seals Intact?		<u>Yes</u>	No
Temperature Upon Receipt <u>0.5-4.7</u> °C										

Environmental Sample Administration 1410958
 Receipt Documentation Log

Client/Project: Mayflower
 Date of Receipt: 8/13/13
 Time of Receipt: 0920
 Source Code: 60-1

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO
 * Custody seal was intact unless otherwise noted in the discrepancy section
 Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	1.3	TB	WI	Y	B	
2	↓	4.7	↓	↓	↓	↓	
3		1.2					
4		0.5					
5		2.3					
6		0.5					

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: CEshler 3647 Date/Time: 8/13/13 1000

Environmental Sample Administration 1410958
Receipt Documentation Log

Client/Project: Mayflower
Date of Receipt: 8/13/13
Time of Receipt: 0920
Source Code: 60-1

Shipping Container Sealed: YES NO
Custody Seal Present * : YES NO
* Custody seal was intact unless otherwise noted in the discrepancy section
Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	0.7	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Cash 3647 Date/Time: 8/13/13 1000

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)
C	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)	L	liter(s)
m³	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, 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 \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns $>25\%$
- U** Compound was not detected
- X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B** Value is $<$ CRDL, but \geq IDL
- E** Estimated due to interference
- M** Duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- *** Duplicate analysis not within control limits
- +** Correlation coefficient for MSA <0.995

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.