

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 17, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 08/10/2013

Group Number: 1410590

SDG: PEK41

PO Number: ARCADIS

Release Number: MAYFLOWER 1406

State of Sample Origin: AR

Client Sample DescriptionLancaster Labs (LL) #

WS-014(1.5-2.0)080913 Filt Grab Surface Water	7156836
WS-014(5.5-6.0)080913 Filt Grab Surface Water	7156837
WS-012(1.5-2.0)080913 Filt Grab Surface Water	7156838
WS-012(5.0-5.5)080913 Filt Grab Surface Water	7156839
WS-010(1.5-2.0)080913 Filt Grab Surface Water	7156840
WS-010(3.5-4.0)080913 Filt Grab Surface Water	7156841
WS-006(0.5-1.0)080913 Filt Grab Surface Water	7156842
WS-006(0.5-1.0)080913MS Filt Grab Surface Water	7156843
WS-006(0.5-1.0)080913MSD Filt Grab Surface Water	7156844
WS-006(0.5-1.0)080913DUP Filt Grab Surface Water	7156845
WS-005(Surface)080913 Filt Grab Surface Water	7156846
WS-011(1.5-2.0)080913 Filt Grab Surface Water	7156847
WS-011(5.0-5.5)080913 Filt Grab Surface Water	7156848
WS-003(Surface)080913 Filt Grab Surface Water	7156849
WS-002(Surface)080913 Filt Grab Surface Water	7156850
WS-018(Surface)080913 Filt Grab Surface Water	7156851
WS-007(0.5-1.0)080913 Filt Grab Surface Water	7156852
WS-001(0.5-1.0)080913 Filt Grab Surface Water	7156853
WS-EB-25-080913 Filt Grab Water	7156854

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

ELECTRONIC ARCADIS
COPY TO
ELECTRONIC ARCADIS
COPY TO

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 #: 1410590

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 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)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156836
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 08:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1419 SDG#: PEK41-01

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	0.0133	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	132231848001	08/16/2013 20:24	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:24	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:35	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-014(5.5-6.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156837
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 08:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1459 SDG#: PEK41-02

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	0.0134	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	132231848001	08/16/2013 20:28	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:28	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:37	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-012(1.5-2.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156838
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 08:40 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1219 SDG#: PEK41-03

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	0.0095	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	132231848001	08/16/2013 20:39	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:39	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:39	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-012(5.0-5.5)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156839
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 08:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1259 SDG#: PEK41-04

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	0.010	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	132231848001	08/16/2013 20:43	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:43	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:41	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-010(1.5-2.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156840
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1019 SDG#: PEK41-05

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	0.0125	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	132231848001	08/16/2013 20:47	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:47	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:47	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-010(3.5-4.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156841
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 09:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1039 SDG#: PEK41-06

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	132231848001	08/16/2013 20:51	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:51	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:49	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156842
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 09:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F0609 SDG#: PEK41-07BKG

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	132231848001	08/16/2013 20:01	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:01	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:51	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)080913MS Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156843
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 09:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F0609 SDG#: PEK41-07MS

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	0.157	0.0068	0.0200	1
07046	Barium	7440-39-3	2.04	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0496	0.00076	0.0050	1
07051	Chromium	7440-47-3	0.203	0.0016	0.0150	1
07055	Lead	7439-92-1	0.147	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.515	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.146	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0565	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.521	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.0010	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	132231848001	08/16/2013 20:12	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:12	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:55	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)080913MSD Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156844
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 09:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F0609 SDG#: PEK41-07MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
07035	Arsenic	SW-846 6010B 7440-38-2	mg/l 0.157	mg/l 0.0068	mg/l 0.0200	1
07046	Barium	7440-39-3	2.05	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0501	0.00076	0.0050	1
07051	Chromium	7440-47-3	0.203	0.0016	0.0150	1
07055	Lead	7439-92-1	0.148	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.517	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.148	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0567	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.524	0.0020	0.0050	1
SW-846 7470A						
00259	Mercury	7439-97-6	mg/l 0.0011	mg/l 0.000060	mg/l 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	132231848001	08/16/2013 20:16	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:16	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:57	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)080913DUP Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156845
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 09:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F0609 SDG#: PEK41-07DUP

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	0.0113	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	132231848001	08/16/2013 20:08	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:08	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:53	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156846
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 09:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F05S9 SDG#: PEK41-08

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	0.0151	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	132231848001	08/16/2013 20:54	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:54	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 14:59	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-011(1.5-2.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156847
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 10:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1119 SDG#: PEK41-09

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	0.0092	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	132231848001	08/16/2013 20:58	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 20:58	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:01	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-011(5.0-5.5)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156848
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 11:00 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F1159 SDG#: PEK41-10

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	0.0108	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	132231848001	08/16/2013 21:02	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:02	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:03	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-003(Surface)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156849
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 11:10 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F03S9 SDG#: PEK41-11

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	0.0129	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 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.000066 J	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	132231848001	08/16/2013 21:06	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:06	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:05	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156850
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F02S9 SDG#: PEK41-12

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	0.0142	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	132231848001	08/16/2013 21:10	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:10	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:11	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-018(Surface)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156851
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 10:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F18S9 SDG#: PEK41-13

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	0.0271	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	132231848001	08/16/2013 21:14	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:14	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:13	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156852
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 11:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F0709 SDG#: PEK41-14

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	0.0220	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	132231848001	08/16/2013 21:25	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:25	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:16	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)080913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156853
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/09/2013 11:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

F0109 SDG#: PEK41-15

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	0.0110	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	132231848001	08/16/2013 21:29	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:29	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:18	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-EB-25-080913 Filt Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7156854
LL Group # 1410590
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

ExxonMobil

Mobil Pipeline Company

Submitted: 08/10/2013 09:50

PO Box 4416

Reported: 08/17/2013 10:39

Houston TX 77210-4416

FEB25 SDG#: PEK41-16EB*

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	0.00036 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	132231848001	08/16/2013 21:32	John P Hook	1
07046	Barium	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07051	Chromium	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07055	Lead	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07061	Nickel	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07036	Selenium	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07066	Silver	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132231848001	08/16/2013 21:32	John P Hook	1
00259	Mercury	SW-846 7470A	1	132235713004	08/15/2013 15:20	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132231848001	08/12/2013 08:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713004	08/12/2013 15:30	Nelli S Markaryan	1

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

Quality Control SummaryClient Name: ExxonMobil
Reported: 08/17/13 at 10:39 AM

Group Number: 1410590

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: 132231848001	Sample number(s): 7156836-7156854								
Arsenic	N.D.	0.0068	0.0200	mg/l	102		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	102		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	98		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	102		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	98		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	103		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	97		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	114		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	104		90-110		
Batch number: 132235713004	Sample number(s): 7156836-7156854								
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: 132231848001	Sample number(s): 7156836-7156854 UNSPK: 7156842 BKG: 7156842								
Arsenic	104	105	81-123	0	20	N.D.	N.D.	0 (1)	20
Barium	102	102	78-118	0	20	0.0117	0.0113	3 (1)	20
Cadmium	99	100	83-116	1	20	N.D.	N.D.	0 (1)	20
Chromium	101	102	81-120	0	20	N.D.	N.D.	0 (1)	20
Lead	98	99	75-125	0	20	N.D.	N.D.	0 (1)	20
Nickel	103	103	86-115	0	20	N.D.	N.D.	0 (1)	20
Selenium	97	98	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	113	113	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	104	105	90-111	1	20	N.D.	N.D.	0 (1)	20
Batch number: 132235713004	Sample number(s): 7156836-7156854 UNSPK: 7156842 BKG: 7156842								
Mercury	104	105	80-120	1	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.

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only
Group # 1410590 Sample # 7156836-54
Instructions on reverse side correspond with circled numbers.

10f2

Acct. # 14739

Group # 1410590

Sample # 7156836-54

Instructions on reverse side correspond with circled numbers

20f2

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

Environmental Sample Administration
Receipt Documentation LogClient/Project: Exxon MobilShipping Container Sealed: YES NODate of Receipt: 8/10/13Custody Seal Present *: YES NOTime of Receipt: 950* Custody seal was intact unless otherwise noted in the
discrepancy sectionSource Code: 60-1Package: 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	1.6	TB	WI	Y	B	
2	↓	1.4	↓	↓	↓	↓	
3	↓	2.6	↓	↓	↓	↓	
4	↓	1.6	↓	↓	↓	↓	
5	↓	3.1	↓	↓	↓	↓	
6	1396	4.3	ST	WI	Y	B	No TB

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#:

[Signature] 2308

Date/Time:

8/14/13 1145

Issued by Dept. 6042 Management

Environmental Sample Administration
Receipt Documentation LogClient/Project: Exxon MobilShipping Container Sealed: YES NODate of Receipt: 8/10/13Custody Seal Present * : YES NOTime of Receipt: 950* Custody seal was intact unless otherwise noted in the
discrepancy sectionSource Code: 600-1Package: 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
7	DT121	1.6	TB	WI	Y	B	
8	↓	0.3	↓	↓	↓	↓	
9	↓	5.8	↓	↓	↓	↓	
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: [Signature] 2308 Date/Time: 8/10/13 1145

Issued by Dept. 6042 Management

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 <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 $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but $\geq$ IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	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
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	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.