

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 05, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 07/30/2013

Group Number: 1407684

SDG: PEJ65

PO Number: 4510076246

Release Number: MAYFLOWER 1406

State of Sample Origin: AR

Client Sample DescriptionLancaster Labs (LL) #

WS-014(1.5-2.0)072913 Filt Grab Surface Water	7143866
WS-014(5.5-6.0)072913 Filt Grab Surface Water	7143867
WS-012(1.5-2.0)072913 Filt Grab Surface Water	7143868
WS-012(5.0-5.5)072913 Filt Grab Surface Water	7143869
WS-010(1.5-2.0)072913 Filt Grab Surface Water	7143870
WS-010(3.5-4.0)072913 Filt Grab Surface Water	7143871
WS-005(Surface)072913 Filt Grab Surface Water	7143872
WS-011(1.5-2.0)072913 Filt Grab Surface Water	7143873
WS-011(5.0-5.5)072913 Filt Grab Surface Water	7143874
WS-003(Surface)072913 Filt Grab Surface Water	7143875
WS-018(Surface)072913 Filt Grab Surface Water	7143876
WS-002(Surface)072913 Filt Grab Surface Water	7143877
WS-007(0.5-1.0)072913 Filt Grab Surface Water	7143878
WS-006(0.5-1.0)072913 Filt Grab Surface Water	7143879
WS-001(0.5-1.0)072913 Filt Grab Surface Water	7143880
WS-EB-14-072913 Filt Grab Water	7143881
DUP-WS-63-072913 Filt Grab Surface Water	7143882

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

ELECTRONIC ARCADIS

COPY TO

Attn: Stephen Barrick

ELECTRONIC ARCADIS

COPY TO

Attn: Lyndi Mott

ELECTRONIC ExxonMobil

COPY TO

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 #: 1407684

General Comments:

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

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

Project specific QC samples are not included in this data set

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

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

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

Analysis Specific Comments:**SW-846 6010B, Metals Dissolved**

Batch #: 132111848005 (Sample number(s): 7143867-7143882 UNSPK: 7143872 BKG: 7143872)

The duplicate RPD for the following analyte(s) exceeded the acceptance window:
Nickel

Sample Description: WS-014(1.5-2.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143866
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 08:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

014F1 SDG#: PEJ65-01

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	0.0148	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	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	132111848004	08/03/2013 03:41	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 07:44	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848004	07/31/2013 09:07	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-014(5.5-6.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143867
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 08:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

014F2 SDG#: PEJ65-02

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	0.0139	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	0.0018 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	132111848005	08/04/2013 18:27	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:27	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 07:46	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-012(1.5-2.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143868
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 08:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

01421 SDG#: PEJ65-03

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	0.0118	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	132111848005	08/04/2013 18:31	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:31	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 07:48	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-012(5.0-5.5)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143869
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 09:00 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

01422 SDG#: PEJ65-04

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	0.0127	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	0.0015 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	132111848005	08/04/2013 18:41	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:41	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 07:50	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-010(1.5-2.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143870
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 09:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

01401 SDG#: PEJ65-05

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	0.0118	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	132111848005	08/04/2013 18:45	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:45	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 07:52	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-010(3.5-4.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143871
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 09:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

01402 SDG#: PEJ65-06

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	0.0129	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	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	132111848005	08/04/2013 18:49	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:49	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 07:58	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143872
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 09:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

005F- SDG#: PEJ65-07

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	0.0096	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	0.0017 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	132111848005	08/04/2013 18:05	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:05	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:00	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-011(1.5-2.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143873
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 10:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

0111F SDG#: PEJ65-08

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	0.010	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	132111848005	08/04/2013 18:53	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:53	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:02	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-011(5.0-5.5)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143874
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 10:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

0112F SDG#: PEJ65-09

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	0.0099	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	132111848005	08/04/2013 18:56	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 18:56	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:04	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-003(Surface)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143875
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 10:40 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

003F- SDG#: PEJ65-10

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	0.0121	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	0.0078 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	132111848005	08/04/2013 19:00	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:00	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:12	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-018(Surface)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143876
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 10:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

018-F SDG#: PEJ65-11

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	0.0186	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	132111848005	08/04/2013 19:04	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:04	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:14	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143877
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 11:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

002-F SDG#: PEJ65-12

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	0.0120	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	132111848005	08/04/2013 19:07	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:07	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143878
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 11:50 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

007-F SDG#: PEJ65-13

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	0.0212	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	0.0028 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	132111848005	08/04/2013 19:11	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:11	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:23	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143879
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 12:00 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

006-F SDG#: PEJ65-14

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	0.0228	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	0.0020 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	132111848005	08/04/2013 19:15	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:15	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143880
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 12:20 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

001-F SDG#: PEJ65-15

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	0.0149	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	132111848005	08/04/2013 19:25	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:25	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:27	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: WS-EB-14-072913 Filt Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143881
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 14:00 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

EB14F SDG#: PEJ65-16EB

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	0.0061	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	132111848005	08/04/2013 19:29	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:29	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:29	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Sample Description: DUP-WS-63-072913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7143882
LL Group # 1407684
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/29/2013 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/30/2013 09:25

PO Box 4416

Reported: 08/05/2013 10:39

Houston TX 77210-4416

DU63F SDG#: PEJ65-17FD*

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	0.0232	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	0.0020 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	132111848005	08/04/2013 19:33	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132111848005	08/04/2013 19:33	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132115713008	08/01/2013 08:31	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132111848005	07/31/2013 09:19	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132115713008	07/31/2013 16:20	Nelli S Markaryan	1

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

Quality Control SummaryClient Name: ExxonMobil
Reported: 08/05/13 at 10:39 AM

Group Number: 1407684

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: 132111848004	Sample number(s): 7143866								
Arsenic	N.D.	0.0068	0.0200	mg/l	100		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	103		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	101		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	100		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	103		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	106		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	96		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	95		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	98		90-110		
Batch number: 132111848005	Sample number(s): 7143867-7143882								
Arsenic	N.D.	0.0068	0.0200	mg/l	98		90-113		
Barium	0.00058 J	0.00033	0.0050	mg/l	99		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	98		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	100		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	96		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	102		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	93		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	109		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	101		90-110		
Batch number: 132115713008	Sample number(s): 7143866-7143882								
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: 132111848004	Sample number(s): 7143866 UNSPK: P143829 BKG: P143829								
Arsenic	100	100	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	102	102	78-118	0	20	0.0243	0.0237	3 (1)	20
Cadmium	100	100	83-116	0	20	N.D.	N.D.	0 (1)	20
Chromium	100	100	81-120	0	20	N.D.	N.D.	0 (1)	20
Lead	102	102	75-125	0	20	N.D.	N.D.	0 (1)	20
Nickel	105	105	86-115	0	20	N.D.	N.D.	0 (1)	20
Selenium	95	98	75-125	3	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.

Quality Control Summary

Client Name: ExxonMobil

Group Number: 1407684

Reported: 08/05/13 at 10:39 AM

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</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Silver	94	97	75-125	3	20	N.D.	N.D.	0 (1) 20
Vanadium	99	98	90-111	1	20	N.D.	N.D.	0 (1) 20
Batch number: 132111848005 Sample number(s): 7143867-7143882 UNSPK: 7143872 BKG: 7143872								
Arsenic	100	102	81-123	2	20	N.D.	N.D.	0 (1) 20
Barium	102	102	78-118	0	20	0.0096	0.0094	2 (1) 20
Cadmium	99	100	83-116	1	20	N.D.	N.D.	0 (1) 20
Chromium	101	101	81-120	1	20	N.D.	N.D.	0 (1) 20
Lead	97	98	75-125	1	20	N.D.	N.D.	0 (1) 20
Nickel	103	102	86-115	1	20	0.0017 J	N.D.	200* (1) 20
Selenium	95	94	75-125	2	20	N.D.	N.D.	0 (1) 20
Silver	113	111	75-125	1	20	N.D.	N.D.	0 (1) 20
Vanadium	104	103	90-111	1	20	N.D.	N.D.	0 (1) 20
Batch number: 132115713008 Sample number(s): 7143866-7143882 UNSPK: 7143874 BKG: 7143874								
Mercury	102	101	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.

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 14739 For Eurofins Lancaster Laboratories Environmental use only
Group # 1407682 Sample # 7143823-40
Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information				4 Matrix				5 Analyses Requested												6 Remarks	
								Preservation Code													
Facility #/SID <u>Mayflower Pipeline Incident</u>				Sediment ☐ Potable ☐ Ground ☐ Surface ☒ NPDES ☐ Air ☐	Water	Oil	Total # of Containers													Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other	
Site Address <u>Mayflower, AR</u>																					
ExxonMobil PM <u>Scott Bushroe</u>																				* Lab to filter and preserve diss metals upon receipt	
Consultant/Office <u>Arcadis</u>																					
Consultant PM <u>Steve Barrick</u>																					
Consultant Phone # <u>919 202 6779</u>																					
Sampler <u>H. Van Aller / J. Waldron</u>																					
2 Sample Identification			3 Collected		Grab	Composite															
			Date	Time																	
<u>WS-014(1.5-2.0)072913</u>			<u>7/29/13</u>	<u>820</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-014(5.5-6.0)072913</u>				<u>830</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-012(1.5-2.0)072913</u>				<u>850</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-012(5.0-5.5)072913</u>				<u>900</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-010(1.5-2.0)072913</u>				<u>920</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-010(3.5-4.0)072913</u>				<u>930</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-005(Surface)072913</u>				<u>950</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-011(1.5-2.0)072913</u>				<u>1020</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-011(5.0-5.5)072913</u>				<u>1030</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-003(Surface)072913</u>				<u>1040</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-018(Surface)072913</u>				<u>1050</u>	☒			☒			9	☒	☒	☒	☒	☒					
<u>WS-002(Surface)072913</u>				<u>1120</u>	☒			☒			9	☒	☒	☒	☒	☒					
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>H. Van Aller</u>				Date <u>7/29/13</u>				Time <u>1500</u>				Received by _____				Date _____ Time _____	
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)				Relinquished by Commercial Carrier				Date _____				Time _____				Received by <u>Deborah Nash</u>				Date <u>7/30/13</u> Time <u>0925</u>	
Type I - Full				Locus EIM (default)				UPS _____ FedEx <u>X</u> Other _____				Temperature Upon Receipt <u>0.6-4.4</u> °C				Custody Seals Intact? <u>Yes</u> No					
Type VI (Raw Data)				Other _____				Other _____				Other _____				Other _____					
NJ Reduced				Other _____				Other _____				Other _____				Other _____					
Other _____				Other _____				Other _____				Other _____				Other _____					

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.

7053 0713

For Eurofins Lancaster Laboratories use only
Acct. # 14739 Group # 1407682 Sample # 7143823-40
Instructions on reverse side correspond with circled numbers.

For Eurofins Lancaster Laboratories use only

Instructions on reverse side correspond with circled numbers

20f2

[illegible]

Issued by Dept. 40 Management

7053 0413

Environmental Sample Administration
Receipt Documentation Log

1407682

Client/Project: XOM mayflowerShipping Container Sealed: YES NODate of Receipt: 7/30/13Custody Seal Present *: YES NOTime of Receipt: 0925* Custody seal was intact unless otherwise noted in the
discrepancy sectionSource Code: 50-1Package: 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	1.2	TB	WI	Y	B	
2	↓	3.1	↓	↓	↓	↓	
3	↓	0.8	↓	↓	↓	↓	
4	↓	4.4	↓	↓	↓	↓	
5	↓	0.6	↓	↓	↓	↓	
6	↓	0.8	↓	↓	↓	↓	

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

Paperwork Discrepancy/Unpacking Problems:

1 vial for WS-012 (5.0-5.5) rec'd broken @ ELLCUnpacker Signature/Emp#: DaNeslund / 208 Date/Time: 7/30/13/1015

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.

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