

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 15, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 08/09/2013

Group Number: 1410356

SDG: PEK36

PO Number: ARCADIS

Release Number: MAYFLOWER 1406

State of Sample Origin: AR

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
WS-014(1.5-2.0)080813 Filt Grab Surface Water	7155706
WS-014(5.5-6.0)080813 Filt Grab Surface Water	7155707
WS-012(1.5-2.0)080813 Filt Grab Surface Water	7155708
WS-012(5.0-5.5)080813 Filt Grab Surface Water	7155709
WS-010(1.5-2.0)080813 Filt Grab Surface Water	7155710
WS-010(3.5-4.0)080813 Filt Grab Surface Water	7155711
WS-006(0.5-1.0)080813 Filt Grab Surface Water	7155712
WS-005(Surface)080813 Filt Grab Surface Water	7155713
WS-011(1.5-2.0)080813 Filt Grab Surface Water	7155714
WS-011(5.0-5.5)080813 Filt Grab Surface Water	7155715
WS-003(Surface)080813 Filt Grab Surface Water	7155716
WS-002(Surface)080813 Filt Grab Surface Water	7155717
WS-018(Surface)080813 Filt Grab Surface Water	7155718
WS-007(0.5-1.0)080813 Filt Grab Surface Water	7155719
WS-001(0.5-1.0)080813 Filt Grab Surface Water	7155720
WS-EB-24-080813 Filt Grab Water	7155721
DUP-WS-68-080813 Filt Grab Surface Water	7155722

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

ELECTRONIC COPY TO	ARCADIS	Attn: Stephen Barrick
ELECTRONIC COPY TO	ARCADIS	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 #: 1410356

General Comments:

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

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

Project specific QC samples are not included in this data set

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

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

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

Analysis Specific Comments:

No additional comments are necessary.

Sample Description: WS-014(1.5-2.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155706
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 08:10 by JW

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

Submitted: 08/09/2013 10:00

Reported: 08/15/2013 16:13

8F141 SDG#: PEK36-01

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	132211848003	08/15/2013 13:51	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 13:51	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:09	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-014(5.5-6.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155707
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 08:20 by JW

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

Submitted: 08/09/2013 10:00

Reported: 08/15/2013 16:13

8F142 SDG#: PEK36-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0139	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	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 13:55	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:15	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-012(1.5-2.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155708
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 08:30 by JW ExxonMobil
Mobil Pipeline Company
Submitted: 08/09/2013 10:00 PO Box 4416
Reported: 08/15/2013 16:13 Houston TX 77210-4416

8F121 SDG#: PEK36-03

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	0.0103	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	132211848003	08/15/2013 14:06	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:06	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:17	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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Sample Description: WS-012(5.0-5.5)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155709
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 08:40 by JW ExxonMobil
Mobil Pipeline Company
Submitted: 08/09/2013 10:00 PO Box 4416
Reported: 08/15/2013 16:13 Houston TX 77210-4416

8F122 SDG#: PEK36-04

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	0.0121	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	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	132211848003	08/15/2013 14:10	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:10	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:19	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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Sample Description: WS-010(1.5-2.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155710
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 08:50 by JW ExxonMobil
Mobil Pipeline Company
Submitted: 08/09/2013 10:00 PO Box 4416
Reported: 08/15/2013 16:13 Houston TX 77210-4416

8F101 SDG#: PEK36-05

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	0.0120	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	132211848003	08/15/2013 14:14	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:14	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:27	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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Sample Description: WS-010(3.5-4.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155711
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 09:00 by JW ExxonMobil
Submitted: 08/09/2013 10:00 Mobil Pipeline Company
Reported: 08/15/2013 16:13 PO Box 4416
Houston TX 77210-4416

8F102 SDG#: PEK36-06

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	0.0131	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	132211848003	08/15/2013 14:18	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:18	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:29	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155712
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 09:10 by JW ExxonMobil
Submitted: 08/09/2013 10:00 Mobil Pipeline Company
Reported: 08/15/2013 16:13 PO Box 4416
Houston TX 77210-4416

8F006 SDG#: PEK36-07

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	0.0122	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	132211848003	08/15/2013 13:29	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 13:29	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:31	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-005 (Surface) 080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155713
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 09:40 by JW ExxonMobil
Mobil Pipeline Company
Submitted: 08/09/2013 10:00 PO Box 4416
Reported: 08/15/2013 16:13 Houston TX 77210-4416

8F005 SDG#: PEK36-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0196	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:21	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:33	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-011(1.5-2.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155714
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 10:20 by JW ExxonMobil
Submitted: 08/09/2013 10:00 Mobil Pipeline Company
Reported: 08/15/2013 16:13 PO Box 4416
Houston TX 77210-4416

8F111 SDG#: PEK36-09

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

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:25	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:39	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-011(5.0-5.5)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155715
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 10:30 by JW

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

Submitted: 08/09/2013 10:00

Reported: 08/15/2013 16:13

8F112 SDG#: PEK36-10

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	0.0139	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	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	132211848003	08/15/2013 14:29	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:29	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:41	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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Sample Description: WS-003 (Surface) 080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155716
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 10:10 by JW

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

Submitted: 08/09/2013 10:00

Reported: 08/15/2013 16:13

8F003 SDG#: PEK36-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0089	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:33	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:43	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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Sample Description: **WS-002 (Surface) 080813 Filt Grab Surface Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7155717**
 LL Group # **1410356**
 Account # **14739**

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

Collected: 08/08/2013 11:10 by JW ExxonMobil
 Submitted: 08/09/2013 10:00 Mobil Pipeline Company
 Reported: 08/15/2013 16:13 PO Box 4416
 Houston TX 77210-4416

8F002 SDG#: PEK36-12

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	0.0108	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	132211848003	08/15/2013 14:36	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:36	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:45	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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Sample Description: WS-018 (Surface) 080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155718
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 10:00 by JW ExxonMobil
Mobil Pipeline Company
Submitted: 08/09/2013 10:00 PO Box 4416
Reported: 08/15/2013 16:13 Houston TX 77210-4416

8F018 SDG#: PEK36-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0261	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:40	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:47	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155719
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 11:40 by JW ExxonMobil
Submitted: 08/09/2013 10:00 Mobil Pipeline Company
Reported: 08/15/2013 16:13 PO Box 4416
Houston TX 77210-4416

8F007 SDG#: PEK36-14

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	0.0186	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	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	132211848003	08/15/2013 14:51	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:51	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:49	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155720
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 11:50 by JW

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

Submitted: 08/09/2013 10:00

Reported: 08/15/2013 16:13

8F001 SDG#: PEK36-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0121	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	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
SW-846 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:55	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:51	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Sample Description: **WS-EB-24-080813 Filt Grab Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7155721**
 LL Group # **1410356**
 Account # **14739**

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

Collected: 08/08/2013 14:00 by JW ExxonMobil
 Submitted: 08/09/2013 10:00 Mobil Pipeline Company
 Reported: 08/15/2013 16:13 PO Box 4416
 Houston TX 77210-4416

8FE24 SDG#: PEK36-16EB

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	0.0019 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	132211848003	08/15/2013 14:59	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 14:59	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:53	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

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

Sample Description: DUP-WS-68-080813 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7155722
LL Group # 1410356
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/08/2013 by JW

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

Submitted: 08/09/2013 10:00

Reported: 08/15/2013 16:13

8FD68 SDG#: PEK36-17FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved			mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0125	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 6010B			mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
SW-846 7470A			mg/l	mg/l	mg/l	

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07046	Barium	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07055	Lead	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07066	Silver	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
07071	Vanadium	SW-846 6010B	1	132211848003	08/15/2013 15:03	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	132235713002	08/14/2013 17:55	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132211848003	08/11/2013 09:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132235713002	08/12/2013 14:45	Nelli S Markaryan	1

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

Quality Control Summary

Client Name: ExxonMobil
Reported: 08/15/13 at 04:13 PM

Group Number: 1410356

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: 132211848003	Sample number(s): 7155706-7155722								
Arsenic	N.D.	0.0068	0.0200	mg/l	101		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	101		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	99		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	101		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	99		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	103		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	95		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	113		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	103		90-110		
Batch number: 132235713002	Sample number(s): 7155706-7155722								
Mercury	N.D.	0.00006	0.00020	mg/l	103		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: 132211848003	Sample number(s): 7155706-7155722 UNSPK: 7155712 BKG: 7155712								
Arsenic	103	104	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	103	103	78-118	0	20	0.0122	0.0118	3 (1)	20
Cadmium	97	97	83-116	0	20	N.D.	N.D.	0 (1)	20
Chromium	103	102	81-120	0	20	N.D.	N.D.	0 (1)	20
Lead	99	100	75-125	1	20	N.D.	N.D.	0 (1)	20
Nickel	104	104	86-115	0	20	N.D.	N.D.	0 (1)	20
Selenium	96	96	75-125	0	20	N.D.	N.D.	0 (1)	20
Silver	115	116	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	105	106	90-111	0	20	N.D.	N.D.	0 (1)	20
Batch number: 132235713002	Sample number(s): 7155706-7155722 UNSPK: 7155709 BKG: 7155709								
Mercury	105	104	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 # 1410356 Sample # 7155706-22
Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information			4 Matrix			5 Analyses Requested						SCR#: _____																																																													
Facility #/SID <u>MAYFLOWER PIPELINE INCIDENT</u>			<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil			Preservation Code						6 Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other																																																													
Site Address <u>MAYFLOWER, AR</u>						<table border="1" style="width: 100%; text-align: center;"> <tr><td>H</td><td></td><td>N</td><td></td><td>H</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> 100's 8260 B FAH's 8270 SIM HANCOCK REBA Metals + N ₂ V. Ca, Mg DISS. Metals HEM OIL & GREASE								H		N		H																																																							
H		N													H																																																										
ExxonMobil PM <u>SCOTT BUSHAOF</u>		Cost Center/AFE		6 Remarks 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 6799</u>																																																																							
Sampler <u>J. WALDRON / M. LONG</u>																																																																									
2 Sample Identification			3																																																																						
		Collected				Grab		Composite																																																																	
	Date	Time																																																																							
<u>WS-014 (1.5-2.0) 080813</u>	<u>8/8/13</u>	<u>0810</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-014 (5.5-6.0) 080813</u>	<u>8/8/13</u>	<u>0820</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-012 (1.5-2.0) 080813</u>	<u>8/8/13</u>	<u>0830</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-012 (5.0-5.5) 080813</u>	<u>8/8/13</u>	<u>0840</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-010 (1.5-2.0) 080813</u>	<u>8/8/13</u>	<u>0850</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-010 (3.5-4.0) 080813</u>	<u>8/8/13</u>	<u>0900</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-006 (0.5-1.0) 080813</u>	<u>8/8/13</u>	<u>0910</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-005 (Surface) 080813</u>	<u>8/8/13</u>	<u>0940</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-011 (1.5-2.0) 080813</u>	<u>8/8/13</u>	<u>1020</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-011 (5.0-5.5) 080813</u>	<u>8/8/13</u>	<u>1030</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-003 (Surface) 080813</u>	<u>8/8/13</u>	<u>1010</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
<u>WS-002 (Surface) 080813</u>	<u>8/8/13</u>	<u>1110</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																																															
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by		Date		Time		Received by		Date		Time 9																																																												
Standard <u>5 day</u> 4 day					<u>8/8/13</u>		<u>1530</u>																																																																		
72 hour 48-hour 24 hour					Date		Time				Received by		Date		Time																																																										
					Date		Time				Received by		Date		Time																																																										
8 Data Package (circle if required)			Relinquished by Commercial Carrier		Date		Time		Received by		Date		Time																																																												
Type I - Full Type VI (Raw Data) NJ Reduced Other _____			EDD (circle if required) Locus EIM (default) Other _____		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		<u>8/9/13</u>		<u>1000</u>		<u>C. Fisher</u>		<u>8/9/13</u> <u>1000</u>																																																												
Temperature Upon Receipt <u>0.4 - 4.5 °C</u>						Custody Seals Intact? <u>Yes</u> No																																																																			

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only

Group # 1410356 Sample # 7155706-22

Instructions on reverse side correspond with circled numbers.

2 of 2

1 Client Information				4 Matrix				5 Analyses Requested						6 Remarks																
Facility #/SID <u>MAYFLOWER PIPELINE INCIDENT</u>				<input type="checkbox"/> Sediment <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Air	Preservation Code						SCR#: _____ Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other																			
Site Address <u>MAYFLOWER, AR</u>					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">H</td> <td style="width: 10%;">N</td> <td style="width: 10%;">H</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table>								H	N	H								X	X	X	X	X	X	X	X
H	N	H																												
X	X	X	X		X	X	X	X	X	X																				
ExxonMobil PM <u>SCOTT BUSHROE</u>		Cost Center/AFE		Total # of Containers VOC's 8260B P ₄ H's 8270 SIM H ₂ O ₂ Metals + V.Ni.Cadm Diss. Metals HEM oil & grease																										
Consultant/Office <u>ARCADIS</u>																														
Consultant PM <u>STEVE BARRICK</u>		Consultant Phone # <u>919 202 6799</u>																												
Sampler <u>J. WALDRON / M. LONG</u>																														
2 Sample Identification		Collected		3																										
Date	Time	Grab	Composite	Soil	Water	Oil																								
<u>WS-018 (surface) 08/08/13</u>	<u>8/8/13 1000</u>	<u>X</u>			<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>													
<u>WS-007 (0.5-1.0) 08/08/13</u>	<u>8/8/13 1140</u>	<u>X</u>			<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>													
<u>WS-001 (0.5-1.0) 08/08/13</u>	<u>8/8/13 1150</u>	<u>X</u>			<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>															
<u>WS-TB-119-08/08/13</u>	<u>8/8/13</u>	<u>X</u>			<u>X</u>		<u>2</u>	<u>X</u>																						
<u>WS-EB-24-08/08/13</u>	<u>8/8/13 1400</u>	<u>X</u>			<u>X</u>		<u>7</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																			
<u>DUP-WS-68-08/08/13</u>	<u>8/8/13</u>	<u>X</u>			<u>X</u>		<u>9</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																		

7 Turnaround Time Requested (TAT) (please circle)			Relinquished by		Date	Time	Received by		Date	Time	9
Standard	5 day	4 day	 Relinquished by Relinquished by Relinquished by Relinquished by Commercial Carrier		8/8/13	15:30	 Received by Received by Received by Received by		8/8/13	1000	
72 hour	48 hour	24 hour									
					UPS <input checked="" type="checkbox"/>	FedEx <input type="checkbox"/>			Other <input type="checkbox"/>		
8 Data Package (circle if required)			EDD (circle if required)		Temperature Upon Receipt		Custody Seals Intact?				
Type I - Full Type VI (Raw Data) NJ Reduced Other _____			Locus EIM (default) Other _____		<u>0.4-4.5 °C</u>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Environmental Sample Administration **1410356**
Receipt Documentation Log

Client/Project: Mayflower
Date of Receipt: 8/9/13
Time of Receipt: 1000
Source Code: 60-1

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	1.1	TB	WI	Y	B	
2	↓	4.5	↓	↓	↓	↓	
3		2.0					
4		1.2					
5		0.7					
6		0.4					

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Cash 3647 Date/Time: 8/9/13 1028

Explanation of Symbols and Abbreviations

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

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

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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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