ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

October 04, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 09/28/2013
Group Number: 1422320
SDG: PEL79
PO Number: B0086003.1301
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-014(1.5-2.0)092713 Filt Grab Surface Water	7216917
WS-014(5.5-6.0)092713 Filt Grab Surface Water	7216918
WS-012(1.5-2.0)092713 Filt Grab Surface Water	7216919
WS-012(5.0-5.5)092713 Filt Grab Surface Water	7216920
WS-010(1.5-2.0)092713 Filt Grab Surface Water	7216921
WS-010(3.5-4.0)092713 Filt Grab Surface Water	7216922
WS-006(0.5-1.0)092713 Filt Grab Surface Water	7216923
WS-006(0.5-1.0)092713MS Filt Grab Surface Water	7216924
WS-006(0.5-1.0)092713MSD Filt Grab Surface Water	7216925
WS-006(0.5-1.0)092713DUP Filt Grab Surface Water	7216926
WS-005(Surface)092713 Filt Grab Surface Water	7216927
WS-011(1.5-2.0)092713 Filt Grab Surface Water	7216928
WS-011(5.0-5.5)092713 Filt Grab Surface Water	7216929
WS-002(Surface)092713 Filt Grab Surface Water	7216930
WS-018(Surface)092713 Filt Grab Surface Water	7216931
WS-003(Surface)092713 Filt Grab Surface Water	7216932
WS-007(0.5-1.0)092713 Filt Grab Surface Water	7216933
WS-001(0.5-1.0)092713 Filt Grab Surface Water	7216934
WS-EB-74-092713 Filt Grab Water	7216935

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	ExxonMobil	Attn: Michael J. Firth

COPY TO		
ELECTRONIC	ARCADIS	Attn: Emily Leamer
COPY TO		
ELECTRONIC	ARCADIS	Attn: Rhiannon Parmalee
COPY TO		
ELECTRONIC	ARCADIS	Attn: Jamie Pritchard
COPY TO		
ELECTRONIC	ExxonMobil	Attn: Michael L Sixsmith
COPY TO		
ELECTRONIC	ExxonMobil	Attn: Julie Foster
COPY TO		

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1422320

General Comments:

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:

No additional comments are necessary.

Sample Description: WS-014(1.5-2.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216917
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 08:45 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7901 SDG#: PEL79-01

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	0.0196	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 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	132741848001	10/03/2013 18:12	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 18:12	Katlin N Cataldi	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:12	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:38	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:12	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:12	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:38	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:38	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:38	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-014(5.5-6.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216918
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 08:55 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7902 SDG#: PEL79-02

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	0.0082 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0193	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	132741848001	10/03/2013 18:16	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 18:16	Katlin N Cataldi	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:16	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:42	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:16	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:16	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:42	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:42	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:42	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:19	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-012(1.5-2.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216919
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:05 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7903 SDG#: PEL79-03

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	0.0182	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	132741848001	10/03/2013 18:28	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 04:54	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:28	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:54	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:28	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:28	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:54	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:54	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:54	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:21	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-012(5.0-5.5)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216920
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:15 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7904 SDG#: PEL79-04

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	0.0198	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	132741848001	10/03/2013 18:32	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 04:57	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:32	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:57	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:32	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:32	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:57	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:57	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:57	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:23	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-010(1.5-2.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216921
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:25 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7905 SDG#: PEL79-05

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	0.0218	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	132741848001	10/03/2013 18:36	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:01	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:36	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:01	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:36	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:36	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:01	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:01	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:01	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-010(3.5-4.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216922
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:35 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7906 SDG#: PEL79-06

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	0.0230	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	132741848001	10/03/2013 18:40	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:05	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:40	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:05	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:40	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:40	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:05	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:05	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:05	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:27	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216923
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:45 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7907 SDG#: PEL79-07BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0230	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	132741848001	10/03/2013 17:48	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 04:15	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 17:48	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:15	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 17:48	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 17:48	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:15	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:15	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:15	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:29	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)092713MS Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216924
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:45 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7907 SDG#: PEL79-07MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.158	0.0068	0.0200	1
07046	Barium	7440-39-3	2.17	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0526	0.00076	0.0050	1
07051	Chromium	7440-47-3	0.205	0.0016	0.0150	1
07055	Lead	7439-92-1	0.162	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.534	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.154	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0422	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.524	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0010	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132741848001	10/03/2013 18:00	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 04:26	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:00	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:26	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:00	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:00	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:26	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:26	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:26	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:37	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)092713MSD Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216925
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:45 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7907 SDG#: PEL79-07MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.156	0.0068	0.0200	1
07046	Barium	7440-39-3	2.12	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0519	0.00076	0.0050	1
07051	Chromium	7440-47-3	0.199	0.0016	0.0150	1
07055	Lead	7439-92-1	0.162	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.528	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.154	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0419	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.509	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00096	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	132741848001	10/03/2013 18:04	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 04:30	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:04	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:30	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:04	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:04	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:30	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:30	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:30	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:39	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)092713DUP Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216926
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 09:45 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7907 SDG#: PEL79-07DUP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0228	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	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	132741848001	10/03/2013 17:56	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 04:23	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 17:56	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 04:23	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 17:56	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 17:56	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 04:23	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 04:23	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 04:23	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:31	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216927
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 10:15 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7908 SDG#: PEL79-08

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	0.0339	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	132741848001	10/03/2013 18:44	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:09	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:44	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:09	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:44	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:44	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:09	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:09	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:09	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:41	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-011(1.5-2.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216928
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 10:45 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7909 SDG#: PEL79-09

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	0.0214	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	132741848001	10/03/2013 18:48	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:13	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:48	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:13	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:48	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:48	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:13	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:13	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:13	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:43	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-011(5.0-5.5)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216929
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 10:55 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7910 SDG#: PEL79-10

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	0.0068 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0242	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	132741848001	10/03/2013 18:52	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:17	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:52	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:17	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:52	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:52	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:17	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:17	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:17	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:45	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216930
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 11:05 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7911 SDG#: PEL79-11

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	0.0170	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	132741848001	10/03/2013 18:56	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:21	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 18:56	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:21	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 18:56	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 18:56	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:21	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:21	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:21	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:47	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-018(Surface)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216931
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 11:25 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7912 SDG#: PEL79-12

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	0.0401	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	132741848001	10/03/2013 19:00	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:24	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 19:00	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:24	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 19:00	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 19:00	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:24	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:24	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:24	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:49	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-003(Surface)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216932
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 11:35 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7913 SDG#: PEL79-13

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	0.0116	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	132741848001	10/03/2013 19:04	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:28	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 19:04	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:28	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 19:04	Katlin N Cataldi	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 19:04	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:28	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:28	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:28	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:51	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216933
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 11:50 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7914 SDG#: PEL79-14

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	0.0173	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	132741848001	10/03/2013 19:16	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:40	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 19:16	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:40	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 05:40	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 19:16	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:40	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:40	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:40	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:53	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)092713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216934
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 12:10 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P7915 SDG#: PEL79-15

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	0.0211	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	132741848001	10/03/2013 19:20	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:44	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 19:20	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:44	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 05:44	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 19:20	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:44	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:44	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:44	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 04:55	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Sample Description: WS-EB-74-092713 Filt Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7216935
LL Group # 1422320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 09/27/2013 13:00 by HVA

Submitted: 09/28/2013 08:50
Reported: 10/04/2013 11:10

ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129

P79EB SDG#: PEL79-16EB*

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	N.D.	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	132741848001	10/03/2013 19:24	Katlin N Cataldi	1
07046	Barium	SW-846 6010B	1	132741848001	10/03/2013 05:47	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132741848001	10/03/2013 19:24	Katlin N Cataldi	1
07051	Chromium	SW-846 6010B	1	132741848001	10/03/2013 05:47	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132741848001	10/03/2013 05:47	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132741848001	10/03/2013 19:24	Katlin N Cataldi	1
07036	Selenium	SW-846 6010B	1	132741848001	10/03/2013 05:47	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132741848001	10/03/2013 05:47	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132741848001	10/03/2013 05:47	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132745713001	10/02/2013 05:01	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132741848001	10/01/2013 23:45	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132745713001	10/01/2013 14:50	Nelli S Markaryan	1

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

Quality Control Summary

Client Name: ExxonMobil c/o Arcadis Group Number: 1422320
Reported: 10/04/13 at 11:10 AM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 132741848001	Sample number(s): 7216917-7216935								
Arsenic	N.D.	0.0068	0.0200	mg/l	105		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	108		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	105		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	102		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	108		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	107		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	106		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	85		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	103		90-110		
Batch number: 132745713001	Sample number(s): 7216917-7216935								
Mercury	N.D.	0.00006 0	0.00020	mg/l	102		80-120		

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 132741848001	Sample number(s): 7216917-7216935 UNSPK: 7216923 BKG: 7216923								
Arsenic	106	104	81-123	2	20	N.D.	N.D.	0 (1)	20
Barium	107	105	78-118	2	20	0.0230	0.0228	1 (1)	20
Cadmium	105	104	83-116	1	20	N.D.	N.D.	0 (1)	20
Chromium	103	100	76-120	3	20	N.D.	N.D.	0 (1)	20
Lead	108	108	75-125	0	20	N.D.	N.D.	0 (1)	20
Nickel	107	106	86-115	1	20	N.D.	N.D.	0 (1)	20
Selenium	103	103	75-125	0	20	N.D.	N.D.	0 (1)	20
Silver	84	84	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	105	102	90-117	3	20	N.D.	N.D.	0 (1)	20
Batch number: 132745713001	Sample number(s): 7216917-7216935 UNSPK: 7216923 BKG: 7216923								
Mercury	100	96	80-120	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.

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 14739 — For Eurofins Lancaster Laboratories Environmental use only — Group # 1422320 Sample # 7216917-35

Instructions on reverse side correspond with circled numbers.

(1) Client Information

Facility #/SID: Mayflower Pipeline Incident
Site Address: Mayflower, AR
ExxonMobil PM: Scott Bushroe
Cost Center/AFE:
Consultant/Office: Arcadis
Consultant PM: Steve Barrick
Consultant Phone #: 919 302 6799
Sampler: H. Van Aller / Ryan Lewis

SCR#:

Preservation Codes
H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, O = Other

(6) Remarks
Lab to filter & preserve upon receipt

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	(4) Matrix: Soil	Water	Oil	Sediment	Potable	Ground	NPDES	Surface	Air	Total # of Containers	(5) Analyses Requested: VOCs 8260 B (H)	PAHs 8270 SIM	RCRA Metals+Ni,V,Ca,Mg (N)	Diss Metals	HEM Oil & Grease (H)
WS-014(1.5-2.0)092713	9/27/13	845	X			X								9	X	X	X	X	X
WS-014(5.5-6.0)092713		855	X			X								9	X	X	X	X	X
WS-012(1.5-2.0)092713		905	X			X								9	X	X	X	X	X
WS-012(5.0-5.5)092713		915	X			X								9	X	X	X	X	X
WS-010(1.5-2.0)092713		925	X			X								9	X	X	X	X	X
WS-010(3.5-4.0)092713		935	X			X								9	X	X	X	X	X
WS-006(0.5-1.0)092713		945	X			X								9	X	X	X	X	X
WS-005(surface)092713		1015	X			X								9	X	X	X	X	X
WS-011(1.5-2.0)092713		1045	X			X								9	X	X	X	X	X
WS-011(5.0-5.5)092713		1055	X			X								9	X	X	X	X	X
WS-002(surface)092713		1105	X			X								9	X	X	X	X	X
WS-018(surface)092713		1125	X			X								9	X	X	X	X	X

(7) Turnaround Time Requested (TAT) (please circle)

Standard | (5 day) | 4 day | 72 hour | 48 hour | 24 hour

(8) Data Package (circle if required)
Type I - Full
Type VI (Raw Data)
NJ Reduced
Other

EDD (circle if required)
Locus EIM (default)
Other

Relinquished by	Date	Time	Received by	Date	Time
H Van Aller	9/27/13				

(9)

Relinquished by Commercial Carrier: UPS X FedEx Other

Received by: Date 9/28/13 Time 850

Temperature Upon Receipt 0.5-5.1 °C

Custody Seals Intact? (Yes) No

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 14739 | For Eurofins Lancaster Laboratories Environmental use only: Group # 1422320 Sample # 7216917-35

Instructions on reverse side correspond with circled numbers.

2 of 2

SCR#: _____

1 Client Information

Facility #/SID	Mayflower Pipeline Incident
Site Address	Mayflower, AR
ExxonMobil PM	Scott Bushroe
Cost Center/AFE	
Consultant/Office	Arcadis
Consultant PM	Steve Barrick
Consultant Phone #	919 302 6799
Sampler	H. Van Aller / Ryan Lewis

4 Matrix: Soil ☐ Sediment ☐ | Water: Ground ☐ Potable ☐ NPDES ☐ Surface ☒ | Oil ☐ Air ☐

5 Analyses Requested — Preservation Code

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; O = Other

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	Total # of Containers	H: VOCs 8260B	PAH 8270 Sim	N: RCRA Metals+Ni, V, Ca, Mg (Hardness)	Diss Metals	H: HEM Oil & Grease	6 Remarks
WS-003 (Surface) 092713	9/27/13	1135	X		9	X	X	X	X	X	
WS-007 (0.5-1.0) 092713	9/27/13	1150	X		9	X	X	X	X	X	
WS-001 (0.5-1.0) 092713	9/27/13	1210	X		9	X	X	X	X	X	
WS-006 (0.5-1.0) 092713 MS/MSD	9/27/13	0945	X		18	X	X	X	X	X	MS/MSD
WS-EB-74-092713	9/27/13	1300	X		7	X	X	X	X		
~~WS-TB-162~~			~~X~~								
WS-TB-162-092713	9/27/13	—	X		2	X					

7 Turnaround Time Requested (TAT) (please circle)

Standard (5 day) 4 day

72 hour 48 hour 24 hour

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)
NJ Reduced
Other _____

EDD (circle if required)

Locus EIM (default)
Other _____

	Date	Time	Received by	Date	Time
Relinquished by: H Van Aller	9/27/13	1500			
Relinquished by					
Relinquished by					
Relinquished by Commercial Carrier: UPS X FedEx ____ Other ____			Received by	9/28/13	850

9

Temperature Upon Receipt 0.5-5.1 °C

Custody Seals Intact? Yes No

eurofins | Lancaster Laboratories

C#1422320

Environmental Sample Administration
Receipt Documentation Log

Client/Project: ExxonMob:1

Date of Receipt: 9/28/13

Time of Receipt: 850

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	↓	0.9					
3		1.0					
4		0.5					
5	3258	5.1	ST	WI	Y	B	No TB
6	DT121	0.7	TB	WI	Y	B	

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 2308 **Date/Time:** 9/28/13 1115

Issued by Dept. 6042 Management

2174.06

eurofins | Lancaster Laboratories Environmental

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 ≥ 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 ≥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.