

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 11, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 10/05/2013

Group Number: 1424147

SDG: PEL93

PO Number: B0086003.1301

State of Sample Origin: AR

Client Sample Description

Lancaster Labs (LL) #

WS-014(1.5-2.0)100413 Filt Grab Surface Water	7226158
WS-014(5.5-6.0)100413 Filt Grab Surface Water	7226159
WS-012(1.5-2.0)100413 Filt Grab Surface Water	7226160
WS-012(5.0-5.5)100413 Filt Grab Surface Water	7226161
WS-010(1.5-2.0)100413 Filt Grab Surface Water	7226162
WS-010(3.5-4.0)100413 Filt Grab Surface Water	7226163
WS-006(0.5-1.0)100413 Filt Grab Surface Water	7226164
WS-005(Surface)100413 Filt Grab Surface Water	7226165
WS-002(Surface)100413 Filt Grab Surface Water	7226166
WS-011(1.5-2.0)100413 Filt Grab Surface Water	7226167
WS-011(5.0-5.5)100413 Filt Grab Surface Water	7226168
WS-018(Surface)100413 Filt Grab Surface Water	7226169
WS-003(Surface)100413 Filt Grab Surface Water	7226170
WS-007(0.5-1.0)100413 Filt Grab Surface Water	7226171
WS-001(0.5-1.0)100413 Filt Grab Surface Water	7226172
DUP-WS-97-100413 Filt Grab Surface Water	7226173
WS-EB-81-100413 Filt Grab Water	7226174

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

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ELECTRONIC	ARCADIS	Attn: Jamie Pritchard
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ELECTRONIC	ExxonMobil	Attn: Michael L Sixsmith
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ELECTRONIC	ExxonMobil	Attn: Julie Foster
COPY TO		

Respectfully Submitted,



Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1424147

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.

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Sample Description: WS-014(1.5-2.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226158
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 08:40 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

1415F SDG#: PEL93-01

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	0.0255	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	132801848001	10/11/2013 04:39	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 04:39	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:34	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-014(5.5-6.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226159
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 08:50 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

1455F SDG#: PEL93-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved						
		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0268	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	132801848001	10/11/2013 04:43	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 04:43	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-012(1.5-2.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226160
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 09:10 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

1215F SDG#: PEL93-03

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	132801848001	10/11/2013 04:15	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 04:15	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:49	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	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)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226161
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 09:20 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

1250F SDG#: PEL93-04

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	0.0185	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	132801848001	10/11/2013 04:55	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 04:55	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:51	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-010(1.5-2.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226162
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 09:30 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

1015F SDG#: PEL93-05

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	0.0212	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	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	132801848001	10/11/2013 04:59	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 04:59	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:53	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	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)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226163
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 09:40 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

1035F SDG#: PEL93-06

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	0.0217	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	132801848001	10/11/2013 05:03	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:03	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:55	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

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Sample Description: WS-006(0.5-1.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226164
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 10:00 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

0605F SDG#: PEL93-07

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	0.0202	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07035	Arsenic	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:07	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:57	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-005 (Surface)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226165
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 10:30 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

05S-F SDG#: PEL93-08

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	0.0164	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	132801848001	10/11/2013 05:11	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:11	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 05:59	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-002 (Surface)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226166
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 10:40 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

02S-F SDG#: PEL93-09

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	0.0231	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	132801848001	10/11/2013 05:15	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:15	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:01	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

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Sample Description: WS-011(1.5-2.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226167
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 10:50 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

F1115 SDG#: PEL93-10

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	0.0195	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	132801848001	10/11/2013 05:19	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:19	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:03	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-011(5.0-5.5)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226168
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 11:00 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

F1150 SDG#: PEL93-11

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	0.0209	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	132801848001	10/11/2013 05:23	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:23	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:05	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: WS-018 (Surface)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226169
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 11:30 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

F-18S SDG#: PEL93-12

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	0.0362	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	132801848001	10/11/2013 05:27	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:27	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:11	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

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Sample Description: WS-003 (Surface)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226170
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 12:20 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

F-3S- SDG#: PEL93-13

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	0.0207	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.0022 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	132801848001	10/11/2013 05:31	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:31	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:13	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

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Sample Description: WS-007(0.5-1.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226171
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 12:30 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

F-705 SDG#: PEL93-14

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	0.0210	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	0.0029 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	132801848001	10/11/2013 05:43	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:43	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:15	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	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: WS-001(0.5-1.0)100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226172
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 12:40 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

F-105 SDG#: PEL93-15

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	0.0263	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	132801848001	10/11/2013 05:47	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:47	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: DUP-WS-97-100413 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7226173
LL Group # 1424147
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/04/2013 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

FFD97 SDG#: PEL93-16FD

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	0.0200	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	132801848001	10/11/2013 05:51	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:51	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:19	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Sample Description: **WS-EB-81-100413 Filt Grab Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7226174**
 LL Group # **1424147**
 Account # **14739**

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

Collected: 10/04/2013 13:00 by DD

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

Submitted: 10/05/2013 10:15

Reported: 10/11/2013 07:03

FEB81 SDG#: PEL93-17EB*

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	0.0011 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	132801848001	10/11/2013 05:55	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	132801848001	10/11/2013 05:55	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	132805713001	10/09/2013 06:21	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132801848001	10/07/2013 01:40	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132805713001	10/08/2013 15:30	Nelli S Markaryan	1

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

Quality Control Summary

Client Name: ExxonMobil c/o Arcadis
Reported: 10/11/13 at 07:03 AM

Group Number: 1424147

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: 132801848001	Sample number(s): 7226158-7226174								
Arsenic	N.D.	0.0068	0.0200	mg/l	104		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	101		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	104		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	102		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	109		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	106		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	108		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	92		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	103		90-110		
Batch number: 132805713001	Sample number(s): 7226158-7226174								
Mercury	N.D.	0.00006	0.00020	mg/l	99		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: 132801848001	Sample number(s): 7226158-7226174 UNSPK: 7226160 BKG: 7226160								
Arsenic	106	106	81-123	0	20	N.D.	N.D.	0 (1)	20
Barium	102	102	78-118	0	20	0.0182	0.0176	3 (1)	20
Cadmium	103	104	83-116	0	20	N.D.	N.D.	0 (1)	20
Chromium	103	104	76-120	1	20	N.D.	N.D.	0 (1)	20
Lead	107	108	75-125	1	20	N.D.	N.D.	0 (1)	20
Nickel	105	105	86-115	0	20	N.D.	N.D.	0 (1)	20
Selenium	109	105	75-125	3	20	N.D.	N.D.	0 (1)	20
Silver	93	93	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	104	104	90-117	0	20	N.D.	N.D.	0 (1)	20
Batch number: 132805713001	Sample number(s): 7226158-7226174 UNSPK: 7226159 BKG: 7226159								
Mercury	98	101	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



Lancaster Laboratories Environmental

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only
 Group # 1424147 Sample # 7226158-174

Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information				4 Matrix				5 Analyses Requested								6 Remarks																													
Facility #/SID <u>Mayflower Pipeline Incident</u>				Sediment <input type="checkbox"/>	Potable <input type="checkbox"/>	Ground <input type="checkbox"/>	NPDES <input type="checkbox"/>	Surface <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Air <input type="checkbox"/>	Preservation Code								SCR#: _____																										
Site Address <u>Mayflower, AR</u>											<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">#</td> <td style="width: 25%;">N</td> <td style="width: 25%;">H</td> <td style="width: 25%;">S</td> <td style="width: 25%;">T</td> <td style="width: 25%;">B</td> <td style="width: 25%;">O</td> <td style="width: 25%;">Other</td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> </tr> <tr> <td colspan="16" style="text-align: center;"> Preservation Codes H = HCl T = Thiosulfate N = HNO₃ B = NaOH S = H₂SO₄ O = Other </td> </tr> </table>								#	N	H	S	T	B	O	Other									Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other										
#	N	H	S	T	B	O	Other																																						
Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other																																													
ExxonMobil PM <u>Scott Bushroe</u>				Water <input type="checkbox"/>				Total # of Containers				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><u>12Cs 8260 B</u></td> <td style="width: 25%;"><u>PAH 8270 SIM</u></td> <td style="width: 25%;"><u>ACE Metals, Ni, Co, V, Mg</u></td> <td style="width: 25%;"><u>Diss Metals</u></td> <td style="width: 25%;"><u>HEM Oil & Grease</u></td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> </tr> </table>								<u>12Cs 8260 B</u>	<u>PAH 8270 SIM</u>	<u>ACE Metals, Ni, Co, V, Mg</u>	<u>Diss Metals</u>	<u>HEM Oil & Grease</u>												6 Remarks <u>Lab to filter & preserve diss metals upon receipt.</u>									
<u>12Cs 8260 B</u>	<u>PAH 8270 SIM</u>	<u>ACE Metals, Ni, Co, V, Mg</u>	<u>Diss Metals</u>																	<u>HEM Oil & Grease</u>																									
Consultant/Office <u>Arcadis</u>				Cost Center/AFE				Soil <input type="checkbox"/>		Water <input type="checkbox"/>		Oil <input type="checkbox"/>		Air <input type="checkbox"/>																															
Consultant PM <u>Steve Barricks</u>				Consultant Phone # <u>919 302 6799</u>																						Grab <input type="checkbox"/>		Composite <input type="checkbox"/>		Date		Time													
Sampler <u>Dave Drost / Hans Van Aller</u>								Date		Time																																			
2 Sample Identification				3 Collected																		Grab		Composite		Date		Time																	
<u>WS-014 (1.5-2.0) 100413</u>				<u>10/4/13</u>				<u>840</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-014 (5.5-6.0) 100413</u>								<u>850</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-012 (1.5-2.0) 100413</u>								<u>910</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-012 (5.0-5.5) 100413</u>								<u>920</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-010 (1.5-2.0) 100413</u>								<u>930</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-010 (3.5-4.0) 100413</u>								<u>940</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-006 (0.5-1.0) 100413</u>								<u>1000</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-005 (surface) 100413</u>								<u>1030</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-002 (surface) 100413</u>								<u>1040</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-011 (1.5-2.0) 100413</u>								<u>1050</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-011 (5.0-5.5) 100413</u>								<u>1100</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
<u>WS-018 (surface) 100413</u>								<u>1130</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>																													
7 Turnaround Time Requested (TAT) (please circle) Standard <u>5 day</u> 4 day 72 hour 48 hour 24 hour				Relinquished by <u>Hans Van Aller</u> Date <u>10/4/13</u> Time <u>1500</u>				Relinquished by Date _____ Time _____				Relinquished by Date _____ Time _____				Relinquished by Date _____ Time _____				Relinquished by Date _____ Time _____				Received by _____ Date _____ Time _____																					
																								Received by _____ Date _____ Time _____																					
																								Received by _____ Date _____ Time _____																					
																								Received by _____ Date _____ Time _____																					
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 Commercial Carrier UPS <u>X</u> FedEx _____ Other _____				Relinquished by Date _____ Time _____				Relinquished by Date _____ Time _____				Received by <u>[Signature]</u> Date <u>10/5/13</u> Time <u>1015</u>																									
																				Received by _____ Date _____ Time _____																									
9 Temperature Upon Receipt <u>0.7-3.9 °C</u>				Custody Seals Intact? <u>Yes</u> No				Received by _____ Date _____ Time _____				Received by _____ Date _____ Time _____				Received by _____ Date _____ Time _____																													
																Received by _____ Date _____ Time _____																													

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 14789

For Eurofins Lancaster Laboratories Environmental use only
Group # 1424147 Sample # 7226158-174
Instructions on reverse side correspond with circled numbers.

2 of 2

1 Client Information				4 Matrix				5 Analyses Requested										6 Remarks																																																							
Facility #/SID <u>Mayflower Pipeline Incident</u>				Sediment <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Water NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/>				Preservation Code										SCR#: _____ Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other																																																							
Site Address <u>Mayflower, AR</u>								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>H</th><th>N</th><th>H</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><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><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>												H	N	H																																																			
H	N	H																																																																							
ExxonMobil PM <u>Scott Bushroe</u>		Cost Center/AFE		Total # of Containers <u>VOCs B260B</u> <u>PAHs B270SIM</u> <u>PCRA Metals Ni, Mg, Cu, V</u> <u>Diss Metals</u> <u>HEM Oil & Grease</u>																																																																					
Consultant/Office <u>Arcadis</u>																																																																									
Consultant PM <u>Steve Barricks</u>		Consultant Phone # <u>919-302-6799</u>																																																																							
Sampler <u>David Drost / H Van Aller</u>				3																																																																					
2 Sample Identification		Collected		Grab	Composite																																																																				
Date	Time																																																																								
<u>WS-003 (Surface) 100413</u>	<u>10/4/13</u>	<u>1220</u>	<input checked="" type="checkbox"/>																																																																						
<u>WS-007 (0.5-1.0) 100413</u>	<u>10/4/13</u>	<u>1230</u>	<input checked="" type="checkbox"/>																																																																						
<u>WS-001 (0.5-1.0) 100413</u>	<u>10/4/13</u>	<u>1240</u>	<input checked="" type="checkbox"/>																																																																						
<u>DUP-WS-97-100413</u>	<u>10/4/13</u>	<u>—</u>	<input checked="" type="checkbox"/>																																																																						
<u>WS-EB-81-100413</u>	<u>10/4/13</u>	<u>1300</u>	<input checked="" type="checkbox"/>																																																																						
<u>WS-TB-168-100413</u>	<u>10/4/13</u>	<u>—</u>	<input checked="" type="checkbox"/>																																																																						

7 Turnaround Time Requested (TAT) (please circle)				Relinquished by <u>H Van Aller</u>		Date <u>10/4/13</u>	Time <u>1500</u>	Received by _____		Date _____	Time _____
Standard <u>5 day</u> 4 day				Relinquished by _____		Date _____	Time _____	Received by _____		Date _____	Time _____
72 hour 48 hour 24 hour				Relinquished by _____		Date _____	Time _____	Received by _____		Date _____	Time _____
8 Data Package (circle if required)				Relinquished by Commercial Carrier		Temperature Upon Receipt <u>0.7-3.9°C</u>		Custody Seals Intact? <input checked="" type="checkbox"/> Yes No			
Type I - Full				EDD (circle if required)		UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Received by _____		Date <u>10/5/13</u>	Time <u>1015</u>
Type VI (Raw Data)				Locus EIM (default)							
NJ Reduced				Other _____							
Other _____											

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Exxon Mobil
 Date of Receipt: 10/5/13
 Time of Receipt: 1015
 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	3.9	TB	WI	Y	B	
2	3258	3.0	ST	WI	Y	B	No TB
3	DT121	1.5	TB	WI	Y	B	
4	↓	2.5	↓	↓	↓	↓	
5	↓	0.7	↓	↓	↓	↓	
6	↓	0.9	↓	↓	↓	↓	

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: [Signature] 2308 Date/Time: 10/5/13 1212

Issued by Dept. 6042 Management

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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