

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 15, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 10/08/2013

Group Number: 1424527

SDG: PEL99

PO Number: B0086003.1301

State of Sample Origin: AR

Client Sample DescriptionLancaster Labs (LL) #

WS-014(1.5-2.0)100713 Filt Grab Surface Water	7228147
WS-014(5.5-6.0)100713 Filt Grab Surface Water	7228148
WS-012(1.5-2.0)100713 Filt Grab Surface Water	7228149
WS-012(5.0-5.5)100713 Filt Grab Surface Water	7228150
WS-010(1.5-2.0)100713 Filt Grab Surface Water	7228151
WS-010(3.5-4.0)100713 Filt Grab Surface Water	7228152
WS-006(0.5-1.0)100713 Filt Grab Surface Water	7228153
WS-006(0.5-1.0)100713MS Filt Grab Surface Water	7228154
WS-006(0.5-1.0)100713MSD Filt Grab Surface Water	7228155
WS-006(0.5-1.0)100713DUP Filt Grab Surface Water	7228156
WS-005(Surface)100713 Filt Grab Surface Water	7228157
WS-002(Surface)100713 Filt Grab Surface Water	7228158
WS-011(1.5-2.0)100713 Filt Grab Surface Water	7228159
WS-011(5.0-5.5)100713 Filt Grab Surface Water	7228160
WS-018(Surface)100713 Filt Grab Surface Water	7228161
WS-003(Surface)100713 Filt Grab Surface Water	7228162
WS-007(0.5-1.0)100713 Filt Grab Surface Water	7228163
WS-001(0.5-1.0)100713 Filt Grab Surface Water	7228164
WS-EB-84-100713 Filt Grab Water	7228165

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

ELECTRONIC ARCADIS

COPY TO

Attn: Stephen Barrick

ELECTRONIC ARCADIS

COPY TO

Attn: Lyndi Mott

ELECTRONIC ExxonMobil

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
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1424527

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)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228147
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 08:30 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0714F SDG#: PEL99-01

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	0.0221	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	132811848005	10/11/2013 18:47	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 18:47	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:15	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-014(5.5-6.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228148
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 08:40 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

07F14 SDG#: PEL99-02

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	0.0210	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	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	132811848005	10/11/2013 18:50	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 18:50	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-012(1.5-2.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228149
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 09:00 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0712F SDG#: PEL99-03

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	0.0185	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	132811848005	10/11/2013 19:02	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:02	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:19	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-012(5.0-5.5)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228150
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 09:10 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

07F12 SDG#: PEL99-04

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	0.0184	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	132811848005	10/11/2013 19:05	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:05	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:21	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-010(1.5-2.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228151
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 09:30 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0710F SDG#: PEL99-05

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	0.0236	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	132811848005	10/11/2013 19:09	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:09	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:23	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-010(3.5-4.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228152
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 09:40 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

07F10 SDG#: PEL99-06

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	0.0229	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	132811848005	10/11/2013 19:13	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:13	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228153
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 10:05 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0706F SDG#: PEL99-07BKG

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	0.0229	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	132811848005	10/11/2013 18:24	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 18:24	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:32	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)100713MS Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228154
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 10:05 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0706F SDG#: PEL99-07MS

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	0.150	0.0068	0.0200	1
07046	Barium	7440-39-3	2.01	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0492	0.00076	0.0050	1
07051	Chromium	7440-47-3	0.199	0.0016	0.0150	1
07055	Lead	7439-92-1	0.150	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.508	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.146	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0562	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.514	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00099	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	132811848005	10/11/2013 18:35	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 18:35	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)100713MSD Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228155
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 10:05 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0706F SDG#: PEL99-07MSD

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	0.149	0.0068	0.0200	1
07046	Barium	7440-39-3	1.99	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0490	0.00076	0.0050	1
07051	Chromium	7440-47-3	0.199	0.0016	0.0150	1
07055	Lead	7439-92-1	0.150	0.0047	0.0150	1
07061	Nickel	7440-02-0	0.506	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.149	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0549	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.507	0.0020	0.0050	1
		SW-846 7470A	mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00099	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	132811848005	10/11/2013 18:39	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 18:39	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:38	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)100713DUP Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228156
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 10:05 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0706F SDG#: PEL99-07DUP

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	0.0230	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	132811848005	10/11/2013 18:31	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 18:31	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:34	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228157
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 10:45 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0705F SDG#: PEL99-08

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	0.0184	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	132811848005	10/11/2013 19:17	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:17	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:40	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228158
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 11:50 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0702F SDG#: PEL99-09

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	0.0193	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	132811848005	10/11/2013 19:21	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:21	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:42	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-011(1.5-2.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228159
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 11:15 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0711F SDG#: PEL99-10

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	0.0206	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	132811848005	10/11/2013 19:24	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:24	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:44	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-011(5.0-5.5)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228160
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 11:25 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

07F11 SDG#: PEL99-11

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	0.0225	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	132811848005	10/11/2013 19:28	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:28	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:46	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-018(Surface)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228161
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 12:05 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0718F SDG#: PEL99-12

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	0.0306	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	132811848005	10/11/2013 19:32	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:32	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:48	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-003(Surface)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228162
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 12:15 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0703F SDG#: PEL99-13

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	0.0270	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	132811848005	10/11/2013 19:36	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:36	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:50	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228163
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 12:40 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0707F SDG#: PEL99-14

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	0.0219	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	132811848005	10/11/2013 19:47	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:47	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:56	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)100713 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228164
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 12:55 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0701F SDG#: PEL99-15

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	0.0202	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	132811848005	10/11/2013 19:51	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:51	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 07:58	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-EB-84-100713 Filt Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7228165
LL Group # 1424527
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 10/07/2013 14:15 by RL

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

Submitted: 10/08/2013 09:25

Reported: 10/15/2013 12:46

0784F SDG#: PEL99-16EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved		SW-846 6010B	mg/l	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0010 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	132811848005	10/11/2013 19:54	John P Hook	1
07046	Barium	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07051	Chromium	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07055	Lead	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07061	Nickel	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07036	Selenium	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07066	Silver	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132811848005	10/11/2013 19:54	John P Hook	1
00259	Mercury	SW-846 7470A	1	132815713006	10/10/2013 08:00	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132811848005	10/09/2013 10:10	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132815713006	10/09/2013 16:00	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: 10/15/13 at 12:46 PM

Group Number: 1424527

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: 132811848005	Sample number(s): 7228147-7228165								
Arsenic	N.D.	0.0068	0.0200	mg/l	97		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	98		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	97		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	97		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	100		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	100		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	98		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	108		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	100		90-110		
Batch number: 132815713006	Sample number(s): 7228147-7228165								
Mercury	N.D.	0.00006	0.00020	mg/l	98		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: 132811848005	Sample number(s): 7228147-7228165 UNSPK: 7228153 BKG: 7228153								
Arsenic	100	100	81-123	0	20	N.D.	N.D.	0 (1)	20
Barium	99	98	78-118	1	20	0.0229	0.0230	1 (1)	20
Cadmium	98	98	83-116	0	20	N.D.	N.D.	0 (1)	20
Chromium	100	99	76-120	0	20	N.D.	N.D.	0 (1)	20
Lead	100	100	75-125	0	20	N.D.	N.D.	0 (1)	20
Nickel	102	101	86-115	0	20	N.D.	N.D.	0 (1)	20
Selenium	97	100	75-125	3	20	N.D.	N.D.	0 (1)	20
Silver	112	110	75-125	2	20	N.D.	N.D.	0 (1)	20
Vanadium	103	101	90-117	1	20	N.D.	N.D.	0 (1)	20
Batch number: 132815713006	Sample number(s): 7228147-7228165 UNSPK: 7228153 BKG: 7228153								
Mercury	99	99	80-120	0	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.

eurofins

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only

Group # 1424527 Sample # 7728147-1.5

Instructions on reverse side correspond with circled numbers.

1 of 2

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

eurofins

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only

Group # 192452

Sample # 7228147-1, 5

Instructions on reverse side correspond with circled numbers

2 of 2

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

Environmental Sample Administration
Receipt Documentation Log

1424527

Client/Project:

Mayflower

Shipping Container Sealed:

YES

NO

Date of Receipt:

10/8/13

Custody Seal Present *:

YES

NO

Time of Receipt:

0925

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

Source Code:

60-1

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	1.5	TB	WI	Y	B	
2	↓	1.1	↓	↓	↓	↓	
3	↓	1.0	↓	↓	↓	↓	
4	↓	0.5	↓	↓	↓	↓	
5	↓	1.6	↓	↓	↓	↓	
6	↓	1.6	↓	↓	↓	↓	

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#:

C. E. H. 3647

Date/Time:

10/8/13 1031

Issued by Dept. 6042 Management

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but $\geq$ IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

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

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

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

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

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