ANALYTICAL RESULTS

Prepared by:

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2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

August 17, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 08/12/2013
Group Number: 1410862
SDG: PEK47
PO Number: ARCADIS
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-014(1.5-2.0)081013 Filtered Grab Surface Water	7158055
WS-014(5.5-6.0)081013 Filtered Grab Surface Water	7158056
WS-012(1.5-2.0)081013 Filtered Grab Surface Water	7158057
WS-012(5.0-5.5)081013 Filtered Grab Surface Water	7158058
WS-010(1.5-2.0)081013 Filtered Grab Surface Water	7158059
WS-010(3.5-4.0)081013 Filtered Grab Surface Water	7158060
WS-006(0.5-1.0)081013 Filtered Grab Surface Water	7158061
WS-005(Surface)081013 Filtered Grab Surface Water	7158062
WS-011(1.5-2.0)081013 Filtered Grab Surface Water	7158063
WS-011(5.0-5.5)081013 Filtered Grab Surface Water	7158064
WS-003(Surface)081013 Filtered Grab Surface Water	7158065
WS-002(Surface)081013 Filtered Grab Surface Water	7158066
WS-018(Surface)081013 Filtered Grab Surface Water	7158067
WS-007(0.5-1.0)081013 Filtered Grab Surface Water	7158068
WS-001(0.5-1.0)081013 Filtered Grab Surface Water	7158069
WS-EB-26-081013 Filtered Grab Surface Water	7158070
DUP-WS-69-081013 Filtered Grab Surface Water	7158071

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

ELECTRONIC COPY TO	ARCADIS	Attn: Stephen Barrick
ELECTRONIC COPY TO	ARCADIS	Attn: Lyndi Mott
ELECTRONIC COPY TO	ExxonMobil	Attn: Michael J. Firth

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

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1410862

General Comments:

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

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

Project specific QC samples are not included in this data set

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

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

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

Analysis Specific Comments:

No additional comments are necessary.

Sample Description: WS-014(1.5-2.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158055
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 08:20 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

14F15 SDG#: PEK47-01

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	0.0120	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 16:05	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:05	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 15:26	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-014(5.5-6.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158056
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

14F55 SDG#: PEK47-02

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	0.0121	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 16:09	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:09	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 15:53	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (total rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-012(1.5-2.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158057
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 08:40 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

12F15 SDG#: PEK47-03

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	0.0131	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 16:20	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:20	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 15:55	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (total rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-012(5.0-5.5)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158058
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 08:50 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

12F50 SDG#: PEK47-04

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	0.0130	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 laboratory 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	132251848002	08/16/2013 16:24	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:24	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 15:57	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-010(1.5-2.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158059
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 09:00 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

10F15 SDG#: PEK47-05

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	0.0128	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 laboratory 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	132251848002	08/16/2013 16:28	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:28	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 15:59	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (total rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-010(3.5-4.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158060
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 09:10 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

10F35 SDG#: PEK47-06

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	0.0132	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 laboratory 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	132251848002	08/16/2013 16:32	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:32	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:01	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-006(0.5-1.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158061
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 09:20 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

06F05 SDG#: PEK47-07

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	0.0145	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 laboratory 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	132251848002	08/16/2013 16:35	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:35	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:03	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-005(Surface)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158062
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 09:40 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

05FSF SDG#: PEK47-08

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	0.0133	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 16:39	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:39	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:05	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-011(1.5-2.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158063
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

11F15 SDG#: PEK47-09

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	0.0143	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 laboratory 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	132251848002	08/16/2013 16:43	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:43	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:07	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (total rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-011(5.0-5.5)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158064
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 10:40 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

11F50 SDG#: PEK47-10

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	0.0117	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	0.000073 J	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 16:47	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:47	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:09	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-003(Surface)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158065
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 10:50 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

03FSF SDG#: PEK47-11

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	0.0144	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 laboratory 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	132251848002	08/16/2013 15:42	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 15:42	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:16	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-002(Surface)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158066
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 10:00 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

02FSF SDG#: PEK47-12

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	0.0135	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 laboratory 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	132251848002	08/16/2013 16:51	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:51	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:18	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-018(Surface)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158067
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 10:10 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

18FSF SDG#: PEK47-13

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	0.0216	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 laboratory 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	132251848002	08/16/2013 16:54	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 16:54	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:20	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-007(0.5-1.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158068
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 11:00 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

07F05 SDG#: PEK47-14

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	0.0253	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	0.0016 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	0.000063 J	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 17:06	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 17:06	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:22	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-001(0.5-1.0)081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158069
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 11:10 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

01F05 SDG#: PEK47-15

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	0.0139	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 17:10	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 17:10	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:24	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: WS-EB-26-081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158070
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 12:00 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

EBF26 SDG#: PEK47-16EB

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	0.00062 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 laboratory 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	132251848002	08/16/2013 17:14	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 17:14	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:26	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Sample Description: DUP-WS-69-081013 Filtered Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7158071
LL Group # 1410862
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/10/2013 by HV

Submitted: 08/12/2013 17:22
Reported: 08/17/2013 08:25

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

DPF69 SDG#: PEK47-17FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals Dissolved	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0161	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	0.000080 J	0.000060	0.00020	1

General Sample Comments

This sample was filtered in the laboratory 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	132251848002	08/16/2013 17:17	Deborah A Krady	1
07046	Barium	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07049	Cadmium	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07051	Chromium	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07055	Lead	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07061	Nickel	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07036	Selenium	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07066	Silver	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
07071	Vanadium	SW-846 6010B	1	132251848002	08/16/2013 17:17	Deborah A Krady	1
00259	Mercury	SW-846 7470A	1	132255713003	08/15/2013 16:28	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132251848002	08/14/2013 16:45	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132255713003	08/14/2013 11:29	Katlin N Cataldi	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1410862
Reported: 08/17/13 at 08:25 AM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 132251848002	Sample number(s): 7158055-7158071								
Arsenic	N.D.	0.0068	0.0200	mg/l	98		90-113		
Barium	0.00048 J	0.00033	0.0050	mg/l	103		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	101		90-112		
Chromium	N.D.	0.0016	0.0150	mg/l	100		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	104		88-110		
Nickel	N.D.	0.0015	0.0100	mg/l	104		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	98		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	99		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	96		90-110		
Batch number: 132255713003	Sample number(s): 7158055-7158071								
Mercury	N.D.	0.00006 0	0.00020	mg/l	104		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 132251848002	Sample number(s): 7158055-7158071 UNSPK: 7158065 BKG: 7158065								
Arsenic	101	100	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	103	104	78-118	1	20	0.0144	0.0144	0 (1)	20
Cadmium	101	100	83-116	1	20	N.D.	N.D.	0 (1)	20
Chromium	101	101	81-120	0	20	N.D.	N.D.	0 (1)	20
Lead	103	103	75-125	1	20	N.D.	N.D.	0 (1)	20
Nickel	104	104	86-115	1	20	N.D.	N.D.	0 (1)	20
Selenium	99	97	75-125	2	20	N.D.	N.D.	0 (1)	20
Silver	98	97	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	98	97	90-111	1	20	N.D.	N.D.	0 (1)	20
Batch number: 132255713003	Sample number(s): 7158055-7158071 UNSPK: 7158055 BKG: 7158055								
Mercury	104	100	80-120	4	20	N.D.	N.D.	0 (1)	20

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 14739 For Eurofins Lancaster Laboratories Environmental use only Group # 1410862 Sample # 7158055-71

Instructions on reverse side correspond with circled numbers.

1 of 4

SCR#:

1 Client Information

Facility #/SID: Mayflower Pipeline Incident

Site Address: Mayflower, AR

ExxonMobil PM: Scott Bushroe | Cost Center/AFE:

Consultant/Office: Arcadis

Consultant PM: Steve Barrick | Consultant Phone #: 919-2026799

Sampler: H. VanAller / M. Long

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

3 Grab / Composite

2 Sample Identification | Collected Date | Time | Total # of Containers | **5 Analyses Requested** (Preservation Code)

Sample Identification	Date	Time	Grab	Composite	Total # of Containers	VOCs 8260B (H)	DRHs 8270 SIM	RCRA metals + Ni, V, Ca, Mg hardness (N)	Diss Metals	HEM Oil & Grease (H)
WS-014 (1.5-2.0) 081013	8/10/13	820	X		9	X	X	X	X	X
WS-014 (5.5-6.0) 081013		830	X		9	X	X	X	X	X
WS-012 (1.5-2.0) 081013		840	X		9	X	X	X	X	X
WS-012 (5.0-5.5) 081013		850	X		9	X	X	X	X	X
WS-010 (1.5-2.0) 081013		900	X		9	X	X	X	X	X
WS-010 (3.5-4.0) 081013		910	X		9	X	X	X	X	X
WS-006 (0.5-1.0) 081013		920	X		9	X	X	X	X	X
WS-005 (surface) 081013		940	X		9	X	X	X	X	X
WS-011 (1.5-2.0) 081013		1030	X		9	X	X	X	X	X
WS-011 (5.0-5.5) 081013		1040	X		9	X	X	X	X	X
WS-003 (surface) 081013		1050	X		9	X	X	X	X	X
WS-002 (surface) 081013		1000	X		9	X	X	X	X	X

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

6 Remarks: Lab to filter & preserve diss metals upon receipt

7 Turnaround Time Requested (TAT) (please circle)

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

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

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

Relinquished by	Date	Time	Received by	Date	Time (9)
H Van Aller	8/11/13	1600			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other Southwest			Received by: Travis Bedard	Date 8/12/13	Time 1722

Temperature Upon Receipt 0.4-4.9 °C

Custody Seals Intact? Yes / No

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 14739 — For Eurofins Lancaster Laboratories Environmental use only — Group # 1410862 — Sample # 715805S-71

Instructions on reverse side correspond with circled numbers.

2 of 4

SCR#: _____

1 Client Information

Facility #/SID	Mayflower Pipeline Incident
Site Address	Mayflower, AR
ExxonMobil PM	Scott Bushroe
Cost Center/AFE	
Consultant/Office	Arcadis
Consultant PM	Steve Barrick
Consultant Phone #	919-202-6799
Sampler	H. Van Aller / M. Long

4 Matrix

Soil ☐ Sediment ☐ Water ☐ Ground ☒ Surface ☐ Potable ☐ NPDES ☐ Oil ☐ Air ☐

5 Analyses Requested

Preservation Code: H | | N | | H

2 Sample Identification / 3 Collected / Grab / Composite / Total # of Containers

Sample Identification	Date	Time	Grab	Composite	Total # of Containers	VOCs 8260B	PAHs 8270 SIM	RCRA Metals + Ni, V, Ca, Mg hardness	Diss Metals	HEM Oil & Grease
WS-018(surface) 081013	8/10/13	1010	X		9	X	X	X	X	X
WS-007(0.5-1.0) 081013	8/10/13	1100	X		9	X	X	X	X	X
WS-001(0.5-1.0) 081013	8/10/13	1110	X		9	X	X	X	X	X
WS-EB-26-081013	8/10/13	1200	X		7	X	X	X	X	
DUP-WS-69-081013	8/10/13	—	X		9	X	X	X	X	X
WS-014(1.5-2.0) 081113	8/11/13	830	X		9	X	X	X	X	X
WS-014(5.5-6.0) 081113		840	X		9	X	X	X	X	X
WS-012(1.5-2.0) 081113		850	X		9	X	X	X	X	X
WS-012(5.0-5.5) 081113		900	X		9	X	X	X	X	X
WS-010(1.5-2.0) 081113		910	X		9	X	X	X	X	X
WS-010(3.5-4.0) 081113		920	X		9	X	X	X	X	X
WS-006(0.5-1.0) 081113		930	X		9	X	X	X	X	X

Preservation Codes

H = HCl — T = Thiosulfate
N = HNO_3 — B = NaOH
S = H_2SO_4 — O = Other

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

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

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

	Date	Time	Received by	Date	Time
Relinquished by: H Van Aller	8/11/13	1600			
Relinquished by:					
Relinquished by:					
Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other Southwest			Received by: Travis Bedard	8/12/13	1722

Temperature Upon Receipt 0.4-4.9 °C

Custody Seals Intact? (Yes) No

eurofins | Lancaster Laboratories

Environmental Sample Administration Receipt Documentation Log

1410862

Client/Project: Exxon Mayflower

Date of Receipt: 8/12/13

Time of Receipt: 1722

Source Code: 01

Shipping Container Sealed: (YES) NO

Custody Seal Present *: (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	1.7	TB	WI	Y	B	
2	↓	0.5	↓	↓	↓	↓	
3	↓	3.7	↓	↓	↓	↓	
4	↓	1.7	↓	↓	↓	↓	
5	↓	1.9	↓	↓	↓	↓	
6	↓	3.1	↓	↓	↓	↓	

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

Paperwork Discrepancy/Unpacking Problems:

GR# 1410864

15 bottle for WS-006 (0.5-1.0) 081113 says WS-011 (0.5-1.0) 081113

15 bottle for WS-001 (0.5-1.0) 081113 says WS-011 (0.5-1.0) 081113

~~15 for WS-014 (0.5-1.5) 081113 says WS-014 (1.5-2.0) 081113~~ AHO 8/12/13

~~15 for WS-012 (0.5-1.5) 081113 says WS-012 (1.5-2.0) 081113~~

Unpacker Signature/Emp#: Brandi Bridal 391 Date/Time: 8/12/13 2100

Issued by Dept. 6042 Management

2174.06

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Environmental Sample Administration Receipt Documentation Log

1410862

Client/Project: Exxon Mayflower

Date of Receipt: 8/12/13

Time of Receipt: 1722

Source Code: 01

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
#7	DT121	2.6	TB	WI	Y	B	
#8		2.5					
#9		1.7					
#10		3.8					
#11		9.9	TB/ST				4.0 4.1 4.7 4.5 4.9
#12		1.6					

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Stan Bedard 391 Date/Time: 8/12/13 2100

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Environmental Sample Administration Receipt Documentation Log

1410862

Client/Project: Exxon Mayflower

Date of Receipt: 8/12/13

Time of Receipt: 1722

Source Code: 01

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
#13	DT121	1.9	TB	WI	Y	B	
#14		1.2					
#15		2.5					
#16		5.1					
#17		0.4					
#18	↓	3.9	↓	↓	↓	↓	

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Staci Bedard 391 Date/Time: 8/12/13 2100

Issued by Dept. 6042 Management

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

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