

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 27, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 07/20/2013
Group Number: 1405524
SDG: PEJ28
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

| <u>Client Sample Description</u> | <u>Lancaster Labs (LL) #</u> |
|---|------------------------------|
| WS-005(Surface)071913 Filt Grab Surface Water | 7133329 |
| WS-014(1.5-2.0)071913 Filt Grab Surface Water | 7133330 |
| WS-012(1.5-2.0)071913 Filt Grab Surface Water | 7133331 |
| WS-010(1.5-2.0)071913 Filt Grab Surface Water | 7133332 |
| WS-011(1.5-2.0)071913 Filt Grab Surface Water | 7133333 |
| WS-003(Surface)071913 Filt Grab Surface Water | 7133334 |
| WS-018(Surface)071913 Filt Grab Surface Water | 7133335 |
| WS-002(Surface)071913 Filt Grab Surface Water | 7133336 |
| WS-001(0.5-1.0)071913 Filt Grab Surface Water | 7133337 |
| WS-007(0.5-1.0)071913 Filt Grab Surface Water | 7133338 |
| WS-006(0.5-1.0)071913 Filt Grab Surface Water | 7133339 |
| DUP-WS-58-071913 Filt Grab Surface Water | 7133340 |
| WS-EB-05-071913 Filt Grab Water | 7133341 |

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

| | | |
|--------------------|------------|-------------------------|
| ELECTRONIC COPY TO | ARCADIS | Attn: Stephen Barrick |
| ELECTRONIC COPY TO | ARCADIS | Attn: Lyndi Mott |
| ELECTRONIC COPY TO | ExxonMobil | Attn: Michael J. Firth |
| ELECTRONIC COPY TO | ARCADIS | Attn: Emily Leamer |
| ELECTRONIC COPY TO | ARCADIS | Attn: Rhiannon Parmalee |

| | | |
|--------------------|------------|--------------------------|
| ELECTRONIC COPY TO | ARCADIS | Attn: Jamie Pritchard |
| ELECTRONIC COPY TO | ExxonMobil | Attn: Michael L Sixsmith |
| ELECTRONIC COPY TO | ExxonMobil | Attn: Julie Foster |
| ELECTRONIC COPY TO | ExxonMobil | Attn: Carl Wideman |

Respectfully Submitted,



Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1405524

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:**SW-846 6010B, Metals Dissolved**

Batch #: 132031848002 (Sample number(s): 7133329-7133341 UNSPK: 7133335 BKG: 7133335)

The duplicate RPD for the following analyte(s) exceeded the acceptance window:
Arsenic, Nickel

Sample Description: WS-005 (Surface) 071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133329
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 07:25 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/20/2013 09:15

PO Box 4416

Reported: 07/27/2013 04:34

Houston TX 77210-4416

M05SF SDG#: PEJ28-01

| 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 | 0.0090 | 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 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:32 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:03 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-014(1.5-2.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133330
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 08:20 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M141F SDG#: PEJ28-02

| 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 | 0.0098 | 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 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:36 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:05 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-012(1.5-2.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133331
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 08:40 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M121F SDG#: PEJ28-03

| 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 | 0.0105 | 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 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:48 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:07 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-010(1.5-2.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133332
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 09:05 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/20/2013 09:15

PO Box 4416

Reported: 07/27/2013 04:34

Houston TX 77210-4416

M101F SDG#: PEJ28-04

| 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 | 0.0099 | 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 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:52 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:09 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

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

Sample Description: WS-011(1.5-2.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133333
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 10:00 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M111F SDG#: PEJ28-05

| 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 | 0.0090 | 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 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:56 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:11 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

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

Sample Description: WS-003 (Surface) 071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133334
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 10:20 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M03SF SDG#: PEJ28-06

| 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 | 0.0102 | 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 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:00 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:19 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-018 (Surface) 071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133335
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 10:30 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M18SF SDG#: PEJ28-07

| 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 | 0.0086 J | 0.0068 | 0.0200 | 1 |
| 07046 | Barium | 7440-39-3 | 0.0127 | 0.00033 | 0.0050 | 1 |
| 07049 | Cadmium | 7440-43-9 | N.D. | 0.00076 | 0.0050 | 1 |
| 07051 | Chromium | 7440-47-3 | N.D. | 0.0016 | 0.0150 | 1 |
| 07055 | Lead | 7439-92-1 | N.D. | 0.0047 | 0.0150 | 1 |
| 07061 | Nickel | 7440-02-0 | 0.0020 J | 0.0015 | 0.0100 | 1 |
| 07036 | Selenium | 7782-49-2 | N.D. | 0.0084 | 0.0200 | 1 |
| 07066 | Silver | 7440-22-4 | N.D. | 0.0021 | 0.0050 | 1 |
| 07071 | Vanadium | 7440-62-2 | N.D. | 0.0020 | 0.0050 | 1 |
| | SW-846 7470A | | mg/l | mg/l | mg/l | |
| 00259 | Mercury | 7439-97-6 | N.D. | 0.000060 | 0.00020 | 1 |

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|-------------------------------|--------------|--------|--------------|------------------------|-------------------|-----------------|
| 07035 | Arsenic | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 05:08 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:21 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-002 (Surface) 071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133336
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 10:50 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M02SF SDG#: PEJ28-08

| 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 | 0.0084 | 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 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:04 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:27 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-001(0.5-1.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133337
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 12:00 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M010F SDG#: PEJ28-09

| 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 | 0.0109 | 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 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:08 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:30 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

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

Sample Description: WS-007(0.5-1.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133338
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 11:30 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/20/2013 09:15

PO Box 4416

Reported: 07/27/2013 04:34

Houston TX 77210-4416

M070F SDG#: PEJ28-10

| 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 | 0.0253 | 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 | 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 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:12 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:32 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: WS-006(0.5-1.0)071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133339
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 11:50 by HVA ExxonMobil
Mobil Pipeline Company
Submitted: 07/20/2013 09:15 PO Box 4416
Reported: 07/27/2013 04:34 Houston TX 77210-4416

M060F SDG#: PEJ28-11

| 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 | 0.0300 | 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 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:16 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:34 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: DUP-WS-58-071913 Filt Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7133340
LL Group # 1405524
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/19/2013 by HVA

ExxonMobil

Mobil Pipeline Company

Submitted: 07/20/2013 09:15

PO Box 4416

Reported: 07/27/2013 04:34

Houston TX 77210-4416

MD58F SDG#: PEJ28-12FD

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit* | As Received Limit of Quantitation | Dilution Factor |
|-------------------------|---------------|------------|--------------------|-------------------------------------|-----------------------------------|-----------------|
| Metals Dissolved | | | mg/l | mg/l | mg/l | |
| 07035 | Arsenic | 7440-38-2 | N.D. | 0.0068 | 0.0200 | 1 |
| 07046 | Barium | 7440-39-3 | 0.0224 | 0.00033 | 0.0050 | 1 |
| 07049 | Cadmium | 7440-43-9 | N.D. | 0.00076 | 0.0050 | 1 |
| 07051 | Chromium | 7440-47-3 | N.D. | 0.0016 | 0.0150 | 1 |
| 07055 | Lead | 7439-92-1 | N.D. | 0.0047 | 0.0150 | 1 |
| 07061 | Nickel | 7440-02-0 | N.D. | 0.0015 | 0.0100 | 1 |
| 07036 | Selenium | 7782-49-2 | N.D. | 0.0084 | 0.0200 | 1 |
| 07066 | Silver | 7440-22-4 | N.D. | 0.0021 | 0.0050 | 1 |
| 07071 | Vanadium | 7440-62-2 | N.D. | 0.0020 | 0.0050 | 1 |
| SW-846 6010B | | | mg/l | mg/l | mg/l | |
| 00259 | Mercury | 7439-97-6 | N.D. | 0.000060 | 0.00020 | 1 |
| SW-846 7470A | | | mg/l | mg/l | mg/l | |

General Sample Comments

This sample was filtered in the lab for dissolved metals.

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

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|-------------------------------|--------------|--------|--------------|------------------------|-------------------|-----------------|
| 07035 | Arsenic | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:20 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:36 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Sample Description: **WS-EB-05-071913 Filt Grab Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7133341**
 LL Group # **1405524**
 Account # **14739**

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

Collected: 07/19/2013 13:05 by HVA ExxonMobil
 Submitted: 07/20/2013 09:15 Mobil Pipeline Company
 Reported: 07/27/2013 04:34 PO Box 4416
 Houston TX 77210-4416

ME05F SDG#: PEJ28-13EB*

| 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 | 0.0028 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 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07046 | Barium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07049 | Cadmium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07051 | Chromium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07055 | Lead | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07061 | Nickel | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07036 | Selenium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07066 | Silver | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 07071 | Vanadium | SW-846 6010B | 1 | 132031848002 | 07/24/2013 06:24 | Tara L Snyder | 1 |
| 00259 | Mercury | SW-846 7470A | 1 | 132035713003 | 07/24/2013 05:38 | Damary Valentin | 1 |
| 01848 | WW SW846 ICP Digest (tot rec) | SW-846 3005A | 1 | 132031848002 | 07/23/2013 09:31 | James L Mertz | 1 |
| 05713 | WW SW846 Hg Digest | SW-846 7470A | 1 | 132035713003 | 07/23/2013 13:00 | Nelli S Markaryan | 1 |

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

Quality Control Summary

Client Name: ExxonMobil
Reported: 07/27/13 at 04:34 AM

Group Number: 1405524

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: 132031848002 | Sample number(s): 7133329-7133341 | | | | | | | | |
| Arsenic | N.D. | 0.0068 | 0.0200 | mg/l | 99 | | 90-113 | | |
| Barium | N.D. | 0.00033 | 0.0050 | mg/l | 95 | | 90-110 | | |
| Cadmium | N.D. | 0.00076 | 0.0050 | mg/l | 97 | | 90-112 | | |
| Chromium | N.D. | 0.0016 | 0.0150 | mg/l | 96 | | 90-110 | | |
| Lead | N.D. | 0.0047 | 0.0150 | mg/l | 96 | | 88-110 | | |
| Nickel | N.D. | 0.0015 | 0.0100 | mg/l | 99 | | 90-111 | | |
| Selenium | N.D. | 0.0084 | 0.0200 | mg/l | 97 | | 80-120 | | |
| Silver | N.D. | 0.0021 | 0.0050 | mg/l | 85 | | 80-120 | | |
| Vanadium | N.D. | 0.0020 | 0.0050 | mg/l | 99 | | 90-110 | | |
| Batch number: 132035713003 | Sample number(s): 7133329-7133341 | | | | | | | | |
| Mercury | N.D. | 0.00006 | 0.00020 | mg/l | 107 | | 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: 132031848002 | Sample number(s): 7133329-7133341 UNSPK: 7133335 BKG: 7133335 | | | | | | | | |
| Arsenic | 95 | 95 | 81-123 | 0 | 20 | 0.0086 J | N.D. | 200* (1) | 20 |
| Barium | 95 | 94 | 78-118 | 1 | 20 | 0.0127 | 0.0129 | 1 (1) | 20 |
| Cadmium | 97 | 97 | 83-116 | 0 | 20 | N.D. | N.D. | 0 (1) | 20 |
| Chromium | 95 | 96 | 81-120 | 1 | 20 | N.D. | N.D. | 0 (1) | 20 |
| Lead | 95 | 96 | 75-125 | 1 | 20 | N.D. | N.D. | 0 (1) | 20 |
| Nickel | 97 | 97 | 86-115 | 0 | 20 | 0.0020 J | N.D. | 200* (1) | 20 |
| Selenium | 99 | 96 | 75-125 | 3 | 20 | N.D. | N.D. | 0 (1) | 20 |
| Silver | 84 | 85 | 75-125 | 1 | 20 | N.D. | N.D. | 0 (1) | 20 |
| Vanadium | 98 | 99 | 90-111 | 1 | 20 | N.D. | N.D. | 0 (1) | 20 |
| Batch number: 132035713003 | Sample number(s): 7133329-7133341 UNSPK: 7133333 BKG: 7133333 | | | | | | | | |
| Mercury | 104 | 103 | 80-120 | 1 | 20 | N.D. | N.D. | 0 (1) | 20 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 14739

For Lancaster Laboratories use only
 Group # 1405524 Sample # 7133329-41
Instructions on reverse side correspond with circled numbers.

1 of 2

| 1 Client Information | | | | 4 Matrix | | | | 5 Analyses Requested | | | | | | | | 6 Remarks | |
|---|--|---|--|--|--|---|--|---|--|--|--|---|--|-------------------------------------|--|---|--|
| Facility #/SID <u>Mayflower Pipeline Incident</u> | | | | Matrix: Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/> Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> | | | | Preservation Code | | | | | | | | SCR#: _____ Preservation Codes: H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other | |
| Site Address <u>Mayflower, AR</u> | | | | | | | | Total # of Containers VOCs 8260 PATHS 8270 RCRA Metals ^{Hardness} Cat. Ni, V, Ag Diss Metals # | | | | | | | | | |
| ExxonMobil PM <u>Scott Bushroe</u> | | Cost Center/AFE | | Collected Date Time Grab Composite | | | | | | | | | | | | Remarks: Lab to Filter and preserve Diss metals upon receipt | |
| Consultant/Office <u>ARCADIS</u> | | | | | | | | | | | | | | | | | |
| Consultant PM <u>Steve Barnick</u> | | Consultant Phone # <u>919 202 6779</u> | | Sample Identification | | | | Date Time Grab Composite Soil Water Oil Total # of Containers | | | | | | | | 9 | |
| Sampler <u>H. Van Aller / L. de Marffy</u> | | | | | | | | | | | | | | | | | |
| Standard <u>5 day</u> 4 day 72 hour 48 hour 24 hour | | | | Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____ Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____ Relinquished by _____ Date _____ Time _____ Received by _____ Date _____ Time _____ Relinquished by Commercial Carrier UPS _____ FedEx <u>X</u> Other _____ Temperature Upon Receipt <u>0.6-0.9°C</u> | | | | Received by <u>Blawie King</u> Date <u>7-20-13</u> Time <u>9:15</u> | | | | | | | | | |
| 8 Data Package (circle if required) Type I - Full Type VI (Raw Data) NJ Reduced Other _____ | | | | | | | | | | EDD (circle if required) Locus EIM (default) Other _____ | | | | Custody Seals Intact? <u>Yes</u> No | | | |
| WS-005 (Surface) 071913 | | 7/19/13 725 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-014 (1.5-2.0) 071913 | | 7/19/13 820 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-012 (1.5-2.0) 071913 | | 7/19/13 840 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-010 (1.5-2.0) 071913 | | 7/19/13 905 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-011 (1.5-2.0) 071913 | | 7/19/13 1000 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-003 (Surface) 071913 | | 7/19/13 1020 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-018 (Surface) 071913 | | 7/19/13 1030 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-002 (Surface) 071913 | | 7/19/13 1050 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-001 (0.5-1.0) 071913 | | 7/19/13 1120 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-007 (0.5-1.0) 071913 | | 7/19/13 1130 | | X | | X | | 7 | | X | | X | | X | | | |
| WS-006 (0.5-1.0) 071913 | | 7/19/13 1150 | | X | | X | | 7 | | X | | X | | X | | | |
| Dup - WS-58 - 071913 | | 7/19/13 - | | X | | X | | 7 | | X | | X | | X | | | |

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 14739

For Eurofins Lancaster Laboratories use only
Group # 1405524 Sample # 7133329-41
Instructions on reverse side correspond with circled numbers.

2 of 2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|------------------------------------|---|---|--|--------------------------------------|------|-------------------|-------------------|------|------|--------|----------|------|---|---|--|------|------|------|------|-------------------|--|--|------|------|-----------|-----------|------------------|------------------------|-------------|--|--|--|--|--|--|--|---------------------------------|---|--|
| 1 Client Information | | | 4 Matrix | | 5 Analyses Requested | | | | | | | | | | SCR#: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Facility #/SID Mayflower Pipeline Incident | | | Sediment <input type="checkbox"/> Ground <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Surface <input checked="" type="checkbox"/> | Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> | Preservation Code <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>H</td><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>VOCs 8260</td><td>PAHs 8270</td><td>Heavy Metals, CA</td><td>RCRA metals, N.Y. reg.</td><td>DIS Metals*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> | | | | | | | | | | H | N | | | | | | | | | | | VOCs 8260 | PAHs 8270 | Heavy Metals, CA | RCRA metals, N.Y. reg. | DIS Metals* | | | | | | | | Total # of Containers 7 2 | Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other | |
| H | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs 8260 | PAHs 8270 | Heavy Metals, CA | | | RCRA metals, N.Y. reg. | DIS Metals* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Site Address Mayflower, AR | | Cost Center/AFE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ExxonMobil PM Scott Bushroe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consultant/Office ARCADIS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consultant PM Steve Barsick | | Consultant Phone # 919 202 6779 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler H. Van Aller / L. de Marfy | | | Grab <input checked="" type="checkbox"/> | Composite <input type="checkbox"/> | | | | | | | | | | | 6 Remarks *Lab to filter and preserve DIS metals upon receipt | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Sample Identification | | Collected | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WS-EB-05-071913 | | 7/19/13 | 1305 | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WS-TB-101-071913 | | 7/19/13 | - | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 Turnaround Time Requested (TAT) (please circle) | | | Relinquished by | | | Date | Time | Received by | | | Date | Time | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard <u>5 day</u> 4 day 72 hour 48 hour 24 hour | | | Relinquished by _____ | | | Date | Time | Received by _____ | | | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by _____ | | | | | | | | | | | | | Date | Time | Received by _____ | | | Date | Time | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by _____ | | | | | | | | | | | | | | | | | | | | Date | Time | Received by _____ | | | Date | Time | | | | | | | | | | | | | | | |
| 8 Data Package (circle if required) | | | Relinquished by Commercial Carrier | | | Received by _____ | | | Date | Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type I - Full Type VI (Raw Data) NJ Reduced Other _____ | | | EDD (circle if required) Locus EIM (default) Other _____ | | | UPS _____ FedEx <u>X</u> Other _____ | | | Received by _____ | | | 7-2013 | 915 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Upon Receipt <u>0.6-0.9°C</u> | | | | | | Custody Seals Intact? <u>Yes</u> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Exxon mobil
 Date of Receipt: 7.20.13
 Time of Receipt: 915
 Source Code: 50-1

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO
* Custody seal was intact unless otherwise noted in the discrepancy section
 Package: Chilled Not Chilled

| Temperature of Shipping Containers | | | | | | | |
|------------------------------------|----------------|------------------|---------------------------------------|--|------------------|--------------------------------|----------|
| Cooler # | Thermometer ID | Temperature (°C) | Temp Bottle (TB) or Surface Temp (ST) | Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP) | Ice Present? Y/N | Loose (L) Bagged Ice (B) or NA | Comments |
| 1 | DH46 | 0.7 | TB | WI | X | B | |
| 2 | ↓ | 0.6 | ↓ | ↓ | ↓ | ↓ | |
| 3 | / | | | | | | |
| 4 | / | | | | | | |
| 5 | / | | | | | | |
| 6 | / | | | | | | |

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

Paperwork Discrepancy/Unpacking Problems:

WS-EB-05-071913 = WS-EB-5-071913
TB have no label

Unpacker Signature/Emp#: Bianchy Barclay 2299 Date/Time: 7.20.13 949

Issued by Dept. 6042 Management

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.