

Sample Description: **WS-020 (Surface) 010214 Grab Surface Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7328368**
 LL Group # **1443975**
 Account # **14739**

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

Collected: 01/02/2014 10:30 by RL ExxonMobil c/o Arcadis
 630 Plaza Drive, Suite 600
 Highlands Ranch CO 80129

Submitted: 01/04/2014 12:50
 Reported: 01/16/2014 14:13

01020 SDG#: PEM79-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.011 J	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.024 J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.018 J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.014 J	0.010	0.052	1
08357	Chrysene	218-01-9	0.015 J	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.011 J	0.010	0.052	1
08357	Fluoranthene	206-44-0	0.018 J	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.018 J	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	0.052 J	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	0.018 J	0.010	0.052	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 02:44	Brian K Graham	1

Sample Description: **WS-007 (0.5-1.0) 010214 Grab Surface Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7328369**
 LL Group # **1443975**
 Account # **14739**

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

Collected: 01/02/2014 11:05 by RL ExxonMobil c/o Arcadis
 630 Plaza Drive, Suite 600
 Highlands Ranch CO 80129

Submitted: 01/04/2014 12:50
 Reported: 01/16/2014 14:13

01007 SDG#: PEM79-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
 1443975160114141343

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

Sample Description: WS-007 (0.5-1.0) 010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328369
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:05 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01007 SDG#: PEM79-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	0.012 J	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	0.019 J	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	0.023 J	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	0.059	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	0.018 J	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	0.020 J	0.011	0.054	1
08357	Chrysene	218-01-9	0.037 J	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	0.046 J	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.019 J	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	0.037 J	0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.054	1
08357	Pyrene	129-00-0	0.044 J	0.011	0.054	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 03:11	Brian K Graham	1

Sample Description: WS-009 (Surface) 010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328370
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:20 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01009 SDG#: PEM79-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-009 (Surface) 010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328370
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:20 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01009 SDG#: PEM79-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.012 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.013 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	0.040 J	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	0.012 J	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 03:39	Brian K Graham	1

Sample Description: WS-001(0.5-1.0) 010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328371
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:30 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

1--01 SDG#: PEM79-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-001(0.5-1.0)010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328371
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:30 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

1--01 SDG#: PEM79-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	0.011 J	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	0.039 J	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	N.D.	0.011	0.053	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 04:06	Brian K Graham	1

Sample Description: WS-021(Surface)010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328372
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:40 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

1-021 SDG#: PEM79-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-021(Surface)010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328372
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:40 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

1-021 SDG#: PEM79-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.015 J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	0.015 J	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	0.032 J	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	0.014 J	0.010	0.052	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 04:34	Brian K Graham	1

Sample Description: WS-004(0.5-1.0)010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328373
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:50 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01004 SDG#: PEM79-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-004(0.5-1.0)010214 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328373
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/02/2014 11:50 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01004 SDG#: PEM79-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	0.012 J	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	0.013 J	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	0.011 J	0.011	0.053	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 05:02	Brian K Graham	1

Sample Description: WS-011(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328374
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 13:00 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01011 SDG#: PEM79-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-011(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328374
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 13:00 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01011 SDG#: PEM79-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 05:29	Brian K Graham	1

Sample Description: WS-011(5.0-5.5)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328375
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 13:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02011 SDG#: PEM79-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-011(5.0-5.5)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328375
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 13:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02011 SDG#: PEM79-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	N.D.	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.054	1
08357	Chrysene	218-01-9	N.D.	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.054	1
08357	Pyrene	129-00-0	N.D.	0.011	0.054	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 05:57	Brian K Graham	1

Sample Description: WS-015(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328376
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 13:50 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01015 SDG#: PEM79-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-015(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328376
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 13:50 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01015 SDG#: PEM79-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 06:25	Brian K Graham	1

Sample Description: WS-015(3.5-4.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328377
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:00 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02015 SDG#: PEM79-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-015(3.5-4.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328377
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:00 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02015 SDG#: PEM79-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 06:52	Brian K Graham	1

Sample Description: WS-014(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328378
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01014 SDG#: PEM79-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-014(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328378
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01014 SDG#: PEM79-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 07:20	Brian K Graham	1

Sample Description: WS-014(5.5-6.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328379
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:20 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02014 SDG#: PEM79-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-014(5.5-6.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328379
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:20 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02014 SDG#: PEM79-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 07:48	Brian K Graham	1

Sample Description: WS-012(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328380
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:25 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01012 SDG#: PEM79-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-012(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328380
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:25 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01012 SDG#: PEM79-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 08:15	Brian K Graham	1

Sample Description: WS-012(5.0-5.5)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328381
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:35 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02012 SDG#: PEM79-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-012(5.0-5.5)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328381
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:35 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02012 SDG#: PEM79-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 08:43	Brian K Graham	1

Sample Description: WS-010(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328382
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:50 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01010 SDG#: PEM79-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-010(1.5-2.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328382
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 14:50 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01010 SDG#: PEM79-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	0.033 J	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	N.D.	0.011	0.053	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 09:11	Brian K Graham	1

Sample Description: WS-010(3.5-4.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328383
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:00 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02010 SDG#: PEM79-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-010(3.5-4.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328383
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:00 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

02010 SDG#: PEM79-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 09:38	Brian K Graham	1

Sample Description: WS-006(0.5-1.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328384
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01006 SDG#: PEM79-17BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-006(0.5-1.0)010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328384
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01006 SDG#: PEM79-17BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 01:21	Brian K Graham	1

Sample Description: WS-006(0.5-1.0)010314MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328385
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01006 SDG#: PEM79-17MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-006(0.5-1.0)010314MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328385
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01006 SDG#: PEM79-17MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	1.1	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.2	0.010	0.051	1
08357	Anthracene	120-12-7	0.98	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	1.0	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.83	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	1.0	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.76	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.93	0.010	0.051	1
08357	Chrysene	218-01-9	0.93	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.76	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.1	0.010	0.051	1
08357	Fluorene	86-73-7	1.1	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.77	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.2	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.1	0.010	0.051	1
08357	Naphthalene	91-20-3	1.2	0.031	0.051	1
08357	Phenanthrene	85-01-8	1.1	0.031	0.051	1
08357	Pyrene	129-00-0	1.2	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 01:48	Brian K Graham	1

Sample Description: WS-006(0.5-1.0)010314MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328386
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01006 SDG#: PEM79-17MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: WS-006(0.5-1.0)010314MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328386
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 15:10 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

01006 SDG#: PEM79-17MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	1.0	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
08357	Anthracene	120-12-7	0.93	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.91	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.79	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.96	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.71	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.89	0.010	0.051	1
08357	Chrysene	218-01-9	0.87	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.72	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.1	0.010	0.051	1
08357	Fluorene	86-73-7	1.0	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.72	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.1	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.1	0.010	0.051	1
08357	Naphthalene	91-20-3	1.1	0.030	0.051	1
08357	Phenanthrene	85-01-8	1.1	0.030	0.051	1
08357	Pyrene	129-00-0	1.1	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 02:16	Brian K Graham	1

Sample Description: DUP-WS-119-010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328387
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 by RL ExxonMobil c/o Arcadis
630 Plaza Drive, Suite 600
Highlands Ranch CO 80129
Submitted: 01/04/2014 12:50
Reported: 01/16/2014 14:13

MAYFD SDG#: PEM79-18FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: DUP-WS-119-010314 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328387
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 by RL

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

Submitted: 01/04/2014 12:50

Reported: 01/16/2014 14:13

MAYFD SDG#: PEM79-18FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	0.031 J	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 10:06	Brian K Graham	1

Sample Description: WS-EB-121-010314 Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7328388
LL Group # 1443975
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 01/03/2014 16:00 by RL

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

Submitted: 01/04/2014 12:50

Reported: 01/16/2014 14:13

MAYFE SDG#: PEM79-19EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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Reference ID:
1443975160114141343

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

Sample Description: **WS-EB-121-010314 Grab Water**
Mayflower, AR
Pipeline Incident

LL Sample # **WW 7328388**
 LL Group # **1443975**
 Account # **14739**

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

Collected: 01/03/2014 16:00 by RL

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

Submitted: 01/04/2014 12:50

Reported: 01/16/2014 14:13

MAYFE SDG#: PEM79-19EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Semivolatiles	SW-846 8270C SIM	ug/l	ug/l	ug/l	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	0.15	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

General Sample Comments

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	14006WAA026	01/08/2014 10:34	Brian K Graham	1

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only

Group # 1443975

Sample # 7328368-88

Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information			4 Matrix			5 Analyses Requested										SCR#: _____																																																																																																																																																																																																																																																																																																																	
Facility #/SID <u>Mayflower Pipeline Incident</u>			Sediment <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>	Ground <input type="checkbox"/> Surface <input checked="" type="checkbox"/>	Air <input type="checkbox"/>	Preservation Code										Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other																																																																																																																																																																																																																																																																																																																	
Site Address <u>Mayflower, AR</u>						<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																																																																																																																							Total # of Containers <u>PAH 8270 SIM</u>		Remarks (6)																																																																																																																																																																																																		
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7 Turnaround Time Requested (TAT) (please circle)			Relinquished by _____			Date <u>1-3-2014</u> Time <u>1630</u>		Received by _____		Date _____ Time _____																																																																																																																																																																																																																																																																																																																							
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8 Data Package (circle if required)			Relinquished by Commercial Carrier			Date _____ Time _____		Received by _____		Date _____ Time _____																																																																																																																																																																																																																																																																																																																							
Type I - Full Type VI (Raw Data) NJ Reduced Other _____			EDD (circle if required) Locus EIM (default) Other _____			UPS <input checked="" type="checkbox"/> FedEx _____ Other _____		Temperature Upon Receipt <u>0.2-0.3 °C</u>		Custody Seals Intact? <input checked="" type="radio"/> Yes No																																																																																																																																																																																																																																																																																																																							

ExxonMobil Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 14739

For Eurofins Lancaster Laboratories Environmental use only
 Group # 1443975 Sample # 7328368-88
Instructions on reverse side correspond with circled numbers.

2 of 2

1 Client Information				4 Matrix				5 Analyses Requested										6	
Facility #/SID <u>Mayflower Pipeline Incident</u>				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"/>	Preservation Code										SCR#: _____				
Site Address <u>Mayflower, AR</u>					Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/>	Total # of Containers <u>PAH 8270 SIM</u>										Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other			
ExxonMobil PM <u>Scott Bushroe</u>		Cost Center/AFE		Consultant/Office <u>ARCADIS</u>		Consultant PM <u>Steve Berdick</u>		Consultant Phone # <u>919-302-6799</u>		Sampler <u>Ryan Lewis</u>		Remarks							
2 Sample Identification		Collected		3															
Date	Time	Grab	Composite	Soil	Water	Oil	Total # of Containers												
WS-012 (1.5-2.0)010314	1-3-2014	1425	X		X		2	X											
WS-012 (5.0-5.5)010314	1-3-2014	1435	X		X		2	X											
WS-010 (1.5-2.0)010314	1-3-2014	1450	X		X		2	X											
WS-010 (3.5-4.0)010314	1-3-2014	1500	X		X		2	X											
WS-006 (0.5-1.0)010314	1-3-2014	1510	X		X		2	X											
WS-006 (0.5-1.0)010314 MS/MSD	1-3-2014	1510	X		X		4	X											
DUP-WS-119-010314	1-3-2014	—	X		X		2	X											
WS-EB-121-010314	1-3-2014	1600	X		X		2	X											

7 Turnaround Time Requested (TAT) (please circle)			Relinquished by <u>[Signature]</u>		Date	Time	Received by _____		Date	Time	
Standard <input checked="" type="radio"/> 5 day 72 hour <input type="radio"/> 48 hour <input type="radio"/> 24 hour	5 day	4 day	Date	Time	Date	Time			Date	Time	
			Date	Time	Date	Time			Date	Time	
			Date	Time	Date	Time			Date	Time	
8 Data Package (circle if required)			Relinquished by Commercial Carrier		Received by <u>[Signature]</u>		Date	Time			
Type I - Full	EDD (circle if required)	Locus EIM (default)		UPS <input checked="" type="checkbox"/>	FedEx	Other	Date	Time			
Type VI (Raw Data)	Other _____			Temperature Upon Receipt <u>0.2-0.3 °C</u>			Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No				
NJ Reduced								Date	Time		
Other _____								1/4/14	1250		

G:1443975

Client: Exxon Mobil

Mayflower Pipeline Incident

Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>01/04/2014 12:50</u>
Number of Packages:	<u>2</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>AR</u>		

Arrival Condition Summary

Shipping Container Sealed:	<u>Yes</u>	Trip Blank Present:	<u>No</u>
Custody Seal Present:	<u>Yes</u>	Trip Blank Indicated on COC:	<u>N/A</u>
Custody Seal Intact:	<u>Yes</u>	Trip Blank Type:	<u>N/A</u>
Samples Chilled:	<u>Yes</u>	Trip Blank Qty:	<u>0</u>
Paperwork Enclosed:	<u>Yes</u>	Air Quality Samples Present:	<u>No</u>
Samples Intact:	<u>Yes</u>	Air Quality Flow Controllers Present:	<u>N/A</u>
Missing Samples:	<u>No</u>	Flow Controller Quantity:	<u>0</u>
Extra Samples:	<u>No</u>	Air Quality Returns:	<u>N/A</u>
Discrepancy in Container Qty on COC:	<u>No</u>		
Sample IDs on COC match Containers:	<u>Yes</u>		
Sample Date/Times match COC:	<u>Yes</u>		
VOA Vial Headspace at least 6mm:	<u>N/A</u>		
VOA IDs (≥ 6mm):	<u>N/A</u>		

Unpacked by Wesley Miller (2308) at 13:04 on 01/04/2014

Samples Chilled Details: Mayflower Pipeline Incident

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.3	0.3	DT	Wet	Y	Bagged	N
2	DT121	0.2	0.2	DT	Wet	Y	Bagged	N

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

Inorganic Qualifiers

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

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

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

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

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

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