ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

June 11, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 06/05/2013
Group Number: 1394624
SDG: PEI03
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LLI) #
WS-003(Surface)060413 Grab Surface Water	7080988
WS-002(Surface)060413 Grab Surface Water	7080989
WS-BKG-002(Surface)060413 Grab Surface Water	7080990
WS-005(Surface)060413 Grab Surface Water	7080991
WS-008(Surface)060413 Grab Surface Water	7080992
WS-008(Surface)060413 MS Grab Surface Water	7080993
WS-008(Surface)060413 MSD Grab Surface Water	7080994
WS-008(Surface)060413 DUP Grab Surface Water	7080995
WS-001(Surface)060413 Grab Surface Water	7080996
WS-001(0.5-1.0)060413 Grab Surface Water	7080997
WS-004(Surface)060413 Grab Surface Water	7080998
WS-004(0.5-1.0)060413 Grab Surface Water	7080999
WS-007(Surface)060413 Grab Surface Water	7081000
WS-007(0.5-1.0)060413 Grab Surface Water	7081001
WS-006(Surface)060413 Grab Surface Water	7081002
WS-006(0.5-1.0)060413 Grab Surface Water	7081003
WS-TB-64-060413 Water	7081004

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

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

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

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1394624

General Comments:

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:

SW-846 8270C SIM, GC/MS Semivolatiles

Batch #: 13156WAG026 (Sample number(s): 7080988-7080994, 7080996-7081003 UNSPK: 7080992)

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7080988

Sample #s: 7080988

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

Sample Description: WS-003(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080988
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 08:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

--3SF SDG#: PEI03-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-003(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080988
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 08:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

--3SF SDG#: PEI03-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.1	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
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	0.031	J	0.010	0.051	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.						
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.1		0.064	0.20	1
	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	0.0181		0.00033	0.0050	1

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

Sample Description: WS-003(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080988
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 08:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

--3SF SDG#: PEI03-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.13	0.0640	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.88	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0012 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 18:38	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 18:38	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 15:09	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:18	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 07:56	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080989
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 08:30 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

--2SF SDG#: PEI03-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-002(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080989
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 08:30 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

--2SF SDG#: PEI03-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.2	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0164	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.17	0.0640	0.200	1

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

Sample Description: WS-002(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080989
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 08:30 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

--2SF SDG#: PEI03-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.89	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0015 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 18:59	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 18:59	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 15:38	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:22	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 07:59	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-BKG-002(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080990
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

BK2SF SDG#: PEI03-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-BKG-002(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080990
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

BK2SF SDG#: PEI03-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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	N.D.	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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.9	0.064	0.20	1
	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	0.0352	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.77	0.0640	0.200	1

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

Sample Description: WS-BKG-002(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080990
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

BK2SF SDG#: PEI03-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0015 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.94	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0024 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0030 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 19:20	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 19:20	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 16:07	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:33	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:01	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080991
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:20 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

5--SF SDG#: PEI03-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-005(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080991
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:20 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

5--SF SDG#: PEI03-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.5	0.064	0.20	1
	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	0.0175	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.63	0.0640	0.200	1

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

Sample Description: WS-005(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080991
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:20 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

5--SF SDG#: PEI03-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.93	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0012 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 19:40	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 19:40	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 16:35	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:37	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:03	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080992
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-008(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080992
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	23.7	0.064	0.20	1
	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	0.0361	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.73	0.0640	0.200	1

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

Sample Description: WS-008(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080992
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0035 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.88	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0045 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0034 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 17:35	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 17:35	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 17:04	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 18:56	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:05	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060413 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080993
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	41	3.0	5.0	1
02898	Allyl Chloride	107-05-1	5.0	0.1	0.5	1
02898	Benzene	71-43-2	5.2	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.9	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.4	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.1	0.1	0.5	1
02898	Bromoform	75-25-2	5.4	0.1	0.5	1
02898	Bromomethane	74-83-9	4.5	0.1	0.5	1
02898	2-Butanone	78-93-3	37	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	5.1	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	5.2	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.2	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.6	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.2	0.1	0.5	1
02898	Chloroethane	75-00-3	4.2	0.1	0.5	1
02898	Chloroform	67-66-3	5.3	0.1	0.5	1
02898	Chloromethane	74-87-3	4.8	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.0	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	5.1	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.4	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.1	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.0	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.0	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.0	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.1	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.1	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	4.9	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.3	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.2	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.6	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.4	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	6.2	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.2	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	5.0	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.5	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.4	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.1	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.8	0.1	0.5	1
02898	Ethyl ether	60-29-7	4.1	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2	0.1	0.5	1
02898	Freon 113	76-13-1	5.6	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.9	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.4	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.2	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	5.0	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	25	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.3	0.2	0.5	1

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

Sample Description: WS-008(Surface)060413 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080993
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	5.1	0.1	0.5	1
02898	Styrene	100-42-5	5.3	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.2	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.7	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.4	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	24	2.0	5.0	1
02898	Toluene	108-88-3	5.2	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.9	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.9	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.1	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.3	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.3	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.9	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.1	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.1	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	5.0	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.96	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.0	0.010	0.051	1
08357	Anthracene	120-12-7	1.0	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	1.1	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.97	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	1.1	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.91	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	1.0	0.010	0.051	1
08357	Chrysene	218-01-9	0.92	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.91	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.0	0.010	0.051	1
08357	Fluorene	86-73-7	0.97	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.94	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	1.0	0.030	0.051	1
08357	Phenanthrene	85-01-8	1.0	0.030	0.051	1
08357	Pyrene	129-00-0	1.0	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	41.1	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.152	0.0068	0.0200	1
07046	Barium	7440-39-3	2.10	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0503	0.00036	0.0050	1
01750	Calcium	7440-70-2	8.62	0.0640	0.200	1

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

Sample Description: WS-008(Surface)060413 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080993
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07051	Chromium	7440-47-3	0.209	0.0011	0.0150	1
07055	Lead	7439-92-1	0.153	0.0051	0.0150	1
01757	Magnesium	7439-95-4	4.74	0.0606	0.100	1
07061	Nickel	7440-02-0	0.525	0.0011	0.0100	1
07036	Selenium	7782-49-2	0.149	0.0075	0.0200	1
07066	Silver	7440-22-4	0.0526	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.522	0.0013	0.0050	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00085	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 17:56	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 17:56	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 17:33	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:07	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:09	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060413 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080994
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	40	3.0	5.0	1
02898	Allyl Chloride	107-05-1	5.0	0.1	0.5	1
02898	Benzene	71-43-2	5.1	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.9	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.5	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.1	0.1	0.5	1
02898	Bromoform	75-25-2	5.3	0.1	0.5	1
02898	Bromomethane	74-83-9	4.3	0.1	0.5	1
02898	2-Butanone	78-93-3	36	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	5.0	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	5.1	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.2	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.6	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	4.2	0.1	0.5	1
02898	Chloroform	67-66-3	5.3	0.1	0.5	1
02898	Chloromethane	74-87-3	4.7	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.0	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	4.9	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.5	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.1	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.0	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.0	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.0	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.0	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.0	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	4.7	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.4	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.2	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.7	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.2	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.4	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	6.1	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.2	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.9	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.6	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.4	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.2	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.8	0.1	0.5	1
02898	Ethyl ether	60-29-7	4.0	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2	0.1	0.5	1
02898	Freon 113	76-13-1	5.5	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.9	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.3	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.2	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	5.0	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	25	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.3	0.2	0.5	1

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

Sample Description: WS-008(Surface)060413 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080994
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	5.1	0.1	0.5	1
02898	Styrene	100-42-5	5.2	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.1	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.7	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.3	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	23	2.0	5.0	1
02898	Toluene	108-88-3	5.1	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.9	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.9	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.0	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.3	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.3	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.9	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.0	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.1	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	5.0	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.93	0.010	0.051	1
08357	Acenaphthylene	208-96-8	0.98	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	0.88	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.98	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.80	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.91	0.010	0.051	1
08357	Chrysene	218-01-9	0.85	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.79	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.98	0.010	0.051	1
08357	Fluorene	86-73-7	0.94	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.83	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.0	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
08357	Naphthalene	91-20-3	1.0	0.031	0.051	1
08357	Phenanthrene	85-01-8	0.98	0.031	0.051	1
08357	Pyrene	129-00-0	1.0	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	41.0	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.149	0.0068	0.0200	1
07046	Barium	7440-39-3	2.08	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0495	0.00036	0.0050	1
01750	Calcium	7440-70-2	8.59	0.0640	0.200	1

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

Sample Description: WS-008(Surface)060413 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080994
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07051	Chromium	7440-47-3	0.207	0.0011	0.0150	1
07055	Lead	7439-92-1	0.153	0.0051	0.0150	1
01757	Magnesium	7439-95-4	4.75	0.0606	0.100	1
07061	Nickel	7440-02-0	0.518	0.0011	0.0100	1
07036	Selenium	7782-49-2	0.145	0.0075	0.0200	1
07066	Silver	7440-22-4	0.0508	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.517	0.0013	0.0050	1
	SW-846 7470A		mg/l	mg/l	mg/l	
00259	Mercury	7439-97-6	0.00083	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 18:17	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 18:17	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 18:02	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:11	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:11	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060413 DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080995
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 09:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

8--SF SDG#: PEI03-05DUP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	23.7	0.064	0.20	1
	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	0.0360	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.72	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0036 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.89	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0049 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0037 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:03	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:07	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080996
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

1--SF SDG#: PEI03-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-001(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080996
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

1--SF SDG#: PEI03-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.012	0.058	1
08357	Acenaphthylene	208-96-8	N.D.	0.012	0.058	1
08357	Anthracene	120-12-7	N.D.	0.012	0.058	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.012	0.058	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.012	0.058	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.012	0.058	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.012	0.058	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.012	0.058	1
08357	Chrysene	218-01-9	N.D.	0.012	0.058	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.012	0.058	1
08357	Fluoranthene	206-44-0	N.D.	0.012	0.058	1
08357	Fluorene	86-73-7	N.D.	0.012	0.058	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.012	0.058	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.012	0.058	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.012	0.058	1
08357	Naphthalene	91-20-3	N.D.	0.035	0.058	1
08357	Phenanthrene	85-01-8	N.D.	0.035	0.058	1
08357	Pyrene	129-00-0	N.D.	0.012	0.058	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	16.7	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0236	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.78	0.0640	0.200	1

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

Sample Description: WS-001(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080996
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

1--SF SDG#: PEI03-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0016 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.77	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0022 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0017 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 20:01	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 20:01	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 18:31	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:40	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:13	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080997
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:10 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-110- SDG#: PEI03-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-001(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080997
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:10 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-110- SDG#: PEI03-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	16.7	0.064	0.20	1
	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	0.0245	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.79	0.0640	0.200	1

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

Sample Description: WS-001(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080997
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:10 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-110- SDG#: PEI03-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0014 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.76	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0018 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0019 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 20:22	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 20:22	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 19:00	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:44	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:15	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080998
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-4-SF SDG#: PEI03-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-004(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080998
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-4-SF SDG#: PEI03-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	13.8	0.064	0.20	1
	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	0.0349	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.13	0.0640	0.200	1

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

Sample Description: WS-004(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080998
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:40 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-4-SF SDG#: PEI03-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0033 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.45	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0034 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0048 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 20:43	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 20:43	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 19:29	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:48	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:21	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080999
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:50 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-410- SDG#: PEI03-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-004(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080999
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:50 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-410- SDG#: PEI03-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.3	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.050	1
08357	Anthracene	120-12-7	N.D.		0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.		0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.010	0.050	1
08357	Chrysene	218-01-9	N.D.		0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.050	1
08357	Fluoranthene	206-44-0	N.D.		0.010	0.050	1
08357	Fluorene	86-73-7	N.D.		0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.050	1
08357	Naphthalene	91-20-3	N.D.		0.030	0.050	1
08357	Phenanthrene	85-01-8	N.D.		0.030	0.050	1
08357	Pyrene	129-00-0	N.D.		0.010	0.050	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	14.8		0.064	0.20	1
	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	0.0440		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	3.42		0.0640	0.200	1

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

Sample Description: WS-004(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7080999
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 10:50 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-410- SDG#: PEI03-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0041 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0080 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.52	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0043 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0062	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 21:04	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 21:04	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 19:58	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:52	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:23	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081000
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:10 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-7SF- SDG#: PEI03-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.2	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.		1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	0.5	1

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

Sample Description: WS-007(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081000
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:10 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-7SF- SDG#: PEI03-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.1	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
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	0.013	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	0.038	J	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.		0.032	0.053	1
08357	Pyrene	129-00-0	0.013	J	0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	15.6		0.064	0.20	1
	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	0.0427		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	3.53		0.0640	0.200	1

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

Sample Description: WS-007(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081000
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:10 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-7SF- SDG#: PEI03-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0034 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.63	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0040 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0051	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 21:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 21:25	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/10/2013 20:26	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:55	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081001
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:20 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-710- SDG#: PEI03-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-007(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081001
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:20 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-710- SDG#: PEI03-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.5	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.035	J	0.010	0.051	1
08357	Acenaphthylene	208-96-8	0.038	J	0.010	0.051	1
08357	Anthracene	120-12-7	0.080		0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.37		0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.29		0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.92		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.24		0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.29		0.010	0.051	1
08357	Chrysene	218-01-9	0.75		0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.049	J	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.8		0.010	0.051	1
08357	Fluorene	86-73-7	0.029	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.31		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	0.50		0.030	0.051	1
08357	Pyrene	129-00-0	1.5		0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.4		0.064	0.20	1
	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	0.0721		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	3.85		0.0640	0.200	1

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

Sample Description: WS-007(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081001
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:20 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-710- SDG#: PEI03-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0076 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0123 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.14	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0069 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0108	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 21:46	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 21:46	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/11/2013 01:27	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 19:59	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:27	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081002
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:50 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-6SF- SDG#: PEI03-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-006(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081002
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:50 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-6SF- SDG#: PEI03-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
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
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	16.6	0.064	0.20	1
	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	0.0228	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.76	0.0640	0.200	1

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

Sample Description: WS-006(Surface)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081002
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 11:50 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-6SF- SDG#: PEI03-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.75	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0017 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 22:07	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 22:07	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/11/2013 01:56	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 20:03	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:29	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081003
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 12:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-610- SDG#: PEI03-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-006(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081003
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 12:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-610- SDG#: PEI03-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.050	1
08357	Anthracene	120-12-7	N.D.	0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	0.011 J	0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.050	1
08357	Chrysene	218-01-9	N.D.	0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.050	1
08357	Fluoranthene	206-44-0	0.019 J	0.010	0.050	1
08357	Fluorene	86-73-7	N.D.	0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.050	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.050	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.050	1
08357	Pyrene	129-00-0	0.017 J	0.010	0.050	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	16.7	0.064	0.20	1
	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	0.0240	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.78	0.0640	0.200	1

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

Sample Description: WS-006(0.5-1.0)060413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081003
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013 12:00 by JO

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

-610- SDG#: PEI03-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.77	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0020 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0016 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 22:28	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 22:28	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13156WAG026	06/11/2013 02:25	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13156WAG026	06/06/2013 10:30	William H Saadeh	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131586256001	06/07/2013 04:59	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07046	Barium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
01750	Calcium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07051	Chromium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07055	Lead	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07061	Nickel	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07036	Selenium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07066	Silver	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131561848002	06/06/2013 20:06	John P Hook	1
00259	Mercury	SW-846 7470A	1	131565713002	06/06/2013 08:31	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131561848002	06/06/2013 09:06	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131565713002	06/05/2013 17:00	Nelli S Markaryan	1

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

Sample Description: WS-TB-64-060413 Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081004
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

TB-64 SDG#: PEI03-14TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	N.D.	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-TB-64-060413 Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7081004
LLI Group # 1394624
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/04/2013

Submitted: 06/05/2013 09:20
Reported: 06/11/2013 20:07

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

TB-64 SDG#: PEI03-14TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1

General Sample Comments

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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131571AA	06/06/2013 16:11	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131571AA	06/06/2013 16:11	Kerri E Legerlotz	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1394624
Reported: 06/11/13 at 08:07 PM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: I131571AA	Sample number(s): 7080988-7080994,7080996-7081004								
Acetone	N.D.	3.0	5.0	ug/l	110		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	106		61-130		
Benzene	N.D.	0.1	0.5	ug/l	108		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	108		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	114		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	106		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	111		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	98		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	117		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	110		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	112		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	114		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	112		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	111		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	95		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	110		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	98		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	110		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	110		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	110		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	109		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	107		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	104		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	108		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	112		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	110		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	97		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	112		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	109		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	114		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	110		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	112		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	131		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	110		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	107		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	113		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	110		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	110		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	105		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	89		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	111		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	111		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	104		61-125		

*- 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.

Quality Control Summary

Client Name: ExxonMobil Group Number: 1394624
Reported: 06/11/13 at 08:07 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isopropylbenzene	N.D.	0.1	0.5	ug/l	113		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	113		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	104		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	100		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	111		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	111		80-120		
Styrene	N.D.	0.1	0.5	ug/l	114		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	109		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	102		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	113		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	119		65-131		
Toluene	N.D.	0.1	0.5	ug/l	110		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	104		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	105		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	112		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	108		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	110		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	110		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	101		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	110		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	112		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	103		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	111		80-120		
Batch number: 13156WAG026	Sample number(s): 7080988-7080994,7080996-7081003								
Acenaphthene	N.D.	0.010	0.050	ug/l	97		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	102		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	105		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	108		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	106		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	119		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	112		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	106		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	104		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	109		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	102		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	97		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	112		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	106		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	104		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	100		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	100		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	103		71-116		
Batch number: 131561848002	Sample number(s): 7080988-7081003								
Arsenic	N.D.	0.0068	0.0200	mg/l	102		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	105		90-110		
Cadmium	N.D.	0.00036	0.0050	mg/l	103		90-112		
Calcium	N.D.	0.0640	0.200	mg/l	103		90-110		
Chromium	N.D.	0.0011	0.0150	mg/l	104		90-110		
Lead	N.D.	0.0051	0.0150	mg/l	105		88-110		
Magnesium	N.D.	0.0606	0.100	mg/l	101		90-110		
Nickel	N.D.	0.0011	0.0100	mg/l	106		90-111		
Selenium	N.D.	0.0075	0.0200	mg/l	104		80-120		
Silver	N.D.	0.0012	0.0050	mg/l	106		80-120		
Vanadium	N.D.	0.0013	0.0050	mg/l	106		90-110		

*- 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.

Quality Control Summary

Client Name: ExxonMobil Group Number: 1394624
Reported: 06/11/13 at 08:07 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 131565713002	Sample number(s): 7080988-7081003								
Mercury	N.D.	0.00007 0	0.00020	mg/l	85		80-120		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: I131571AA	Sample number(s): 7080988-7080994,7080996-7081004 UNSPK: 7080992								
Acetone	109	107	57-163	2	30				
Allyl Chloride	100	101	67-139	1	30				
Benzene	104	103	87-126	1	30				
Bromobenzene	99	98	80-123	0	30				
Bromochloromethane	108	109	82-125	1	30				
Bromodichloromethane	102	102	82-133	0	30				
Bromoform	107	107	60-138	0	30				
Bromomethane	90	87	41-145	4	30				
2-Butanone	98	96	63-146	2	30				
n-Butylbenzene	102	101	83-131	1	30				
sec-Butylbenzene	104	103	84-128	1	30				
tert-Butylbenzene	103	104	84-135	1	30				
Carbon Tetrachloride	112	112	81-148	0	30				
Chlorobenzene	104	102	78-133	1	30				
Chloroethane	83	83	70-139	0	30				
Chloroform	107	105	86-136	1	30				
Chloromethane	95	93	55-152	2	30				
2-Chlorotoluene	101	101	81-120	0	30				
4-Chlorotoluene	101	99	82-119	2	30				
1,2-Dibromo-3-chloropropane	88	90	43-143	2	30				
Dibromochloromethane	102	102	79-125	0	30				
1,2-Dibromoethane	100	99	84-127	1	30				
Dibromomethane	100	101	83-126	0	30				
1,2-Dichlorobenzene	100	99	83-117	1	30				
1,3-Dichlorobenzene	102	101	81-118	1	30				
1,4-Dichlorobenzene	101	99	79-120	2	30				
Dichlorodifluoromethane	97	94	28-136	3	30				
1,1-Dichloroethane	107	107	88-136	0	30				
1,2-Dichloroethane	104	104	82-135	1	30				
1,1-Dichloroethene	113	114	83-150	0	30				
cis-1,2-Dichloroethene	104	104	82-129	1	30				
trans-1,2-Dichloroethene	108	108	88-127	0	30				
Dichlorofluoromethane	124	122	59-176	1	30				
1,2-Dichloropropane	105	103	91-126	1	30				
1,3-Dichloropropane	100	99	80-127	1	30				
2,2-Dichloropropane	109	111	80-134	2	30				
1,1-Dichloropropene	108	108	86-139	0	30				
cis-1,3-Dichloropropene	102	104	74-132	2	30				
trans-1,3-Dichloropropene	96	97	71-128	0	30				
Ethyl ether	82	80	67-127	3	30				

*- 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.

Quality Control Summary

Client Name: ExxonMobil Group Number: 1394624
Reported: 06/11/13 at 08:07 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethylbenzene	105	103	80-140	2	30				
Freon 113	111	110	87-158	1	30				
Hexachlorobutadiene	99	98	65-128	1	30				
Isopropylbenzene	107	105	81-133	1	30				
p-Isopropyltoluene	104	103	84-124	1	30				
Methyl Tertiary Butyl Ether	99	101	82-132	1	30				
4-Methyl-2-Pentanone	99	100	69-149	1	30				
Methylene Chloride	106	105	84-122	1	30				
n-Propylbenzene	103	102	79-131	1	30				
Styrene	106	105	63-151	1	30				
1,1,1,2-Tetrachloroethane	103	103	87-126	0	30				
1,1,2,2-Tetrachloroethane	95	95	75-131	0	30				
Tetrachloroethene	107	106	75-129	1	30				
Tetrahydrofuran	97	93	56-154	4	30				
Toluene	103	102	83-127	1	30				
1,2,3-Trichlorobenzene	98	98	73-125	0	30				
1,2,4-Trichlorobenzene	98	97	77-120	1	30				
1,1,1-Trichloroethane	111	110	85-140	1	30				
1,1,2-Trichloroethane	102	101	85-129	1	30				
Trichloroethene	106	106	85-131	0	30				
Trichlorofluoromethane	107	105	67-161	2	30				
1,2,3-Trichloropropane	98	97	76-120	1	30				
1,2,4-Trimethylbenzene	102	100	87-126	1	30				
1,3,5-Trimethylbenzene	102	102	89-129	0	30				
Vinyl Chloride	101	99	65-151	2	30				
Xylene (Total)	105	104	81-137	1	30				
Batch number: 13156WAG026	Sample number(s): 7080988-7080994,7080996-7081003 UNSPK: 7080992								
Acenaphthene	95	91	59-127	3	30				
Acenaphthylene	100	96	33-146	3	30				
Anthracene	99	96	69-119	2	30				
Benzo(a)anthracene	108	102	67-124	5	30				
Benzo(a)pyrene	95	87	64-123	9	30				
Benzo(b)fluoranthene	106	96	61-133	9	30				
Benzo(g,h,i)perylene	89	79	36-138	12	30				
Benzo(k)fluoranthene	98	89	59-128	9	30				
Chrysene	91	83	62-118	9	30				
Dibenz(a,h)anthracene	89	77	32-141	14	30				
Fluoranthene	100	96	65-123	4	30				
Fluorene	96	92	69-124	3	30				
Indeno(1,2,3-cd)pyrene	93	81	29-143	13	30				
1-Methylnaphthalene	107	103	67-117	3	30				
2-Methylnaphthalene	105	101	71-126	4	30				
Naphthalene	102	98	58-131	2	30				
Phenanthrene	99	96	67-117	2	30				
Pyrene	101	99	59-125	2	30				
Batch number: 131561848002	Sample number(s): 7080988-7081003 UNSPK: 7080992 BKG: 7080992								
Arsenic	101	99	81-123	2	20	N.D.	N.D.	0 (1)	20
Barium	103	102	78-118	1	20	0.0361	0.0360	0	20
Cadmium	101	99	83-116	2	20	N.D.	N.D.	0 (1)	20
Calcium	97	97	81-118	0	20	4.73	4.72	0	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.

Quality Control Summary

Client Name: ExxonMobil Group Number: 1394624
Reported: 06/11/13 at 08:07 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chromium	103	102	81-120	1	20	0.0035 J	0.0036 J	3 (1)	20
Lead	102	102	75-125	0	20	N.D.	N.D.	0 (1)	20
Magnesium	93	94	75-125	0	20	2.88	2.89	0	20
Nickel	104	103	86-115	1	20	0.0045 J	0.0049 J	9 (1)	20
Selenium	99	97	75-125	3	20	N.D.	N.D.	0 (1)	20
Silver	105	102	75-125	3	20	N.D.	N.D.	0 (1)	20
Vanadium	104	103	90-111	1	20	0.0034 J	0.0037 J	8 (1)	20
Batch number: 131565713002	Sample number(s): 7080988-7081003 UNSPK: 7080992 BKG: 7080992								
Mercury	85	83	80-120	2	20	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: NHDES VOCs 25ml purge
Batch number: I131571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7080988	102	104	98	99
7080989	103	104	98	98
7080990	103	106	97	97
7080991	102	101	98	97
7080992	102	103	98	98
7080993	102	103	100	101
7080994	102	103	99	101
7080996	103	103	98	96
7080997	102	101	98	96
7080998	104	102	97	97
7080999	104	104	97	97
7081000	103	103	97	98
7081001	104	105	96	98
7081002	104	109	97	99
7081003	104	102	97	97
7081004	100	100	99	96
Blank	101	99	99	97
LCS	100	97	101	100
MS	102	103	100	101
MSD	102	103	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: PAHs in waters by SIM
Batch number: 13156WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7080988	86	59*	98

*- 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.

Quality Control Summary

Client Name: ExxonMobil Group Number: 1394624
Reported: 06/11/13 at 08:07 PM

Surrogate Quality Control

7080989	89	64	97
7080990	92	90	97
7080991	94	84	103
7080992	88	78	97
7080993	95	100	106
7080994	92	91	102
7080996	92	80	97
7080997	94	82	99
7080998	83	78	94
7080999	80	84	91
7081000	72	67	87
7081001	72	71	88
7081002	88	70	100
7081003	82	71	87
Blank	94	102	103
LCS	96	109	105
MS	95	100	106
MSD	92	91	102
Limits:	64-120	62-141	58-134

*- 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

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For Eurofins Lancaster Laboratories use only
Acct. # 14739 Group # 1394624 Sample # 7080988-7004
Instructions on reverse side correspond with circled numbers.

Pg. 1 of 2

SCR#:

(1) Client Information

- Facility #/SID: Mayflower Pipeline Incident
- Site Address: Mayflower, AR
- ExxonMobil PM: Scot Bushoe
- Cost Center/AFE:
- Consultant/Office: ARCADIS US
- Consultant PM: Steve Barnick
- Consultant Phone #: 919-302-6799
- Sampler: J. Oliver / T. Milburn

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

(5) Analyses Requested — Preservation Code: H (VOC 8260B), (PAH 8270 SIM), N (RCRA Metals + Ni, V, Mg, Ca, hardness)

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

(6) Remarks
Data Analyses Questions: Lyndi Mott ARCADIS

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	Total # of Containers	VOC 8260B	PAH 8270 SIM	RCRA Metals + Ni, V, Mg, Ca, hardness
WS-003 (surface) 060413	6/4/13	0800	X			X		6	X	X	X
WS-002 (surface) 060413	↓	0830	↓			↓		6	X	X	X
WS-BKG-002 (surface) 060413	↓	0900	↓			↓		6	X	X	X
WS-005 (surface) 060413	↓	0920	↓			↓		6	X	X	X
WS-008 (surface) 060413	↓	0940	↓			↓		6	X	X	X
WS-008 (surface) 060413 MS	↓	0940	↓			↓		6	X	X	X
WS-008 (surface) 060413 MSD	↓	0940	↓			↓		6	X	X	X
WS-001 (surface) 060413	↓	1000	↓			↓		6	X	X	X
WS-001 (0.5-1.0) 060413	↓	1010	↓			↓		6	X	X	X
WS-004 (surface) 060413	↓	1040	↓			↓		6	X	X	X
WS-004 (0.5-1.0) 060413	↓	1050	↓			↓		6	X	X	X
WS-007 (surface) 060413	↓	1110	↓			↓		6	X	X	X

(7) Turnaround Time Requested (TAT) (please circle)
Standard | **(5 day)** circled | 4 day
72 hour | 48 hour | 24 hour

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

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

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature] ARCADIS	6/4/13	1700			
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ______			Received by [signature]	6/4/13	0920

Temperature Upon Receipt ________ °C

Custody Seals Intact? **(Yes)** No

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

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7053 0413

ExxonMobil Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories use only
Acct. # 14739 Group # 1394624 Sample # 7080988-1004 Pg. 2 of 2
Instructions on reverse side correspond with circled numbers.

SCR#:

(1) Client Information

Facility #/SID: Mayflower Pipeline Incident
Site Address: Mayflower, AR
ExxonMobil PM: Scott Bushnoe
Cost Center/AFE:
Consultant/Office: ARCADIS US
Consultant PM: Steve Barrick
Consultant Phone #: 919-302-6799
Sampler: J. Oliver / T. Milburn

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

(5) Analyses Requested — Preservation Code: H (VOC 8260 B), (PAH 8270 SIM), N (RCRA Metals + Ni, Cu, Mg, V, Hardness)

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

(6) Remarks
Data Analyses Questions: Lyndi Mott ARCADIS

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	Total # of Containers	VOC 8260 B	PAH 8270 SIM	RCRA Metals + Ni, Cu, Mg, V, Hardness
WS-007(0.5-1.0)060413	6/4/13	1120	X			X		6	X	X	X
WS-006(surface)060413	|	1150	|			|		6	X	X	X
WS-006(0.5-1.0)060413	|	1200	|			|		6	X	X	X
WS-TB-64-060413	|	—	|			|		2	X		

(7) Turnaround Time Requested (TAT) (please circle)
Standard (5 day) 4 day
72 hour 48 hour 24 hour

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

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

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature] ARCADIS	6/4/13	1700			
Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____			[signature]	6/4/13	0920

Temperature Upon Receipt ____ °C
Custody Seals Intact? (Yes) No

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G-1394624

Environmental Sample Administration
Receipt Documentation Log

Client/Project: ExxonMobil

Date of Receipt: 6/5/13

Time of Receipt: 0920

Source Code: 50

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	DT131	1.6	TB	WI	Y	B	
2	↓	1.8	↓	↓	↓	↓	
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 964 **Date/Time:** 6/5/13 0955

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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 of gas 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.

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 ≥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.