ANALYTICAL RESULTS

Prepared by:

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2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

June 17, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 06/10/2013
Group Number: 1395953
SDG: PEI11
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LLI) #
WS-003(Surface)060813 Grab Surface Water	7087816
WS-002(Surface)060813 Grab Surface Water	7087817
WS-BKG-002(Surface)060813 Grab Surface Water	7087818
WS-005(Surface)060813 Grab Surface Water	7087819
WS-008(Surface)060813 Grab Surface Water	7087820
WS-008(Surface)060813 MS Grab Surface Water	7087821
WS-008(Surface)060813 MSD Grab Surface Water	7087822
WS-008(Surface)060813 DUP Grab Surface Water	7087823
WS-001(Surface)060813 Grab Surface Water	7087824
WS-001(0.5-1.0)060813 Grab Surface Water	7087825
WS-004(Surface)060813 Grab Surface Water	7087826
WS-004(0.5-1.0)060813 Grab Surface Water	7087827
WS-007(Surface)060813 Grab Surface Water	7087828
WS-007(0.5-1.0)060813 Grab Surface Water	7087829
WS-006(Surface)060813 Grab Surface Water	7087830
WS-006(0.5-1.0)060813 Grab Surface Water	7087831
WS-003(Surface)060913 Grab Surface Water	7087832
WS-002(Surface)060913 Grab Surface Water	7087833
WS-BKG-002(Surface)060913 Grab Surface Water	7087834
WS-005(Surface)060913 Grab Surface Water	7087835
WS-008(Surface)060913 Grab Surface Water	7087836
WS-001(Surface)060913 Grab Surface Water	7087837
WS-001(0.5-1.0)060913 Grab Surface Water	7087838
WS-004(Surface)060913 Grab Surface Water	7087839
WS-004(0.5-1.0)060913 Grab Surface Water	7087840
WS-007(Surface)060913 Grab Surface Water	7087841
WS-007(0.5-1.0)060913 Grab Surface Water	7087842
WS-006(Surface)060913 Grab Surface Water	7087843
WS-006(0.5-1.0)060913 Grab Surface Water	7087844
DUP-WS-38-060913 Grab Surface Water	7087845

WS-TB-68-060913 Water 7087846

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 #: 1395953

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 8260B 25mL purge, GC/MS Volatiles

Batch #: C131631AA (Sample number(s): 7087816-7087817 UNSPK: P87007)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Acetone, 1,2,4-Trichlorobenzene

Batch #: I131621AA (Sample number(s): 7087818-7087822, 7087824-7087833 UNSPK: 7087820)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: 1,2-Dibromo-3-chloropropane

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: 2-Butanone, Tetrahydrofuran, 1,2-Dibromo-3-chloropropane

Batch #: I131622AA (Sample number(s): 7087834-7087846 UNSPK: 7087837)

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

SW-846 8270C SIM, GC/MS Semivolatiles

Sample #s: 7087836, 7087837, 7087838, 7087839, 7087840, 7087841, 7087842, 7087843, 7087844, 7087845

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

SW-846 6010B, Metals

Batch #: 131641848001 (Sample number(s): 7087843 UNSPK: P91217 BKG: P91217)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Chromium

SW-846 7470A, Metals

Batch #: 131625713001 (Sample number(s): 7087816-7087836 UNSPK: 7087820 BKG: 7087820)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Mercury

Batch #: 131625713002 (Sample number(s): 7087837-7087845 UNSPK: 7087843 BKG: 7087843)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Mercury

Sample Description: WS-003(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087816
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 09:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00368 SDG#: PEI11-01

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087816
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 09:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00368 SDG#: PEI11-01

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	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	0.021 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	0.014 J	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	0.014 J	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.6	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	0.0210	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.15	0.0640	0.200	1

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

Sample Description: WS-003(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087816
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 09:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00368 SDG#: PEI11-01

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**	
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	1.99	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	0.000075 J	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	C131631AA	06/12/2013 15:03	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C131631AA	06/12/2013 15:03	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 00:37	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:05	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 17:48	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 06:54	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087817
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00268 SDG#: PEI11-02

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087817
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00268 SDG#: PEI11-02

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	19.0	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	0.0201	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.30	0.0640	0.200	1

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

Sample Description: WS-002(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087817
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00268 SDG#: PEI11-02

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	2.02	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0014 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	0.000081 J	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	C131631AA	06/12/2013 15:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	C131631AA	06/12/2013 15:25	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 01:06	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:09	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 17:52	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 06:56	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-BKG-002(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087818
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

B0268 SDG#: PEI11-03

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087818
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

B0268 SDG#: PEI11-03

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.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	26.6	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	0.0389	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	6.13	0.0640	0.200	1

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

Sample Description: WS-BKG-002(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087818
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

B0268 SDG#: PEI11-03

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	0.0014 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.73	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0033 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
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131621AA	06/11/2013 17:28	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 17:28	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 01:35	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:21	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:04	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 06:58	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087819
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:55 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00568 SDG#: PEI11-04

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087819
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:55 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00568 SDG#: PEI11-04

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.	0.030	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	18.1	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	0.0118	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.13	0.0640	0.200	1

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

Sample Description: WS-005(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087819
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 10:55 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00568 SDG#: PEI11-04

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	1.88	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	I131621AA	06/11/2013 17:49	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 17:49	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 02:04	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:25	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:08	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:00	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087820
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05BKG

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	9.0		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	1.6	J	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	0.4	J	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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087820
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05BKG

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.	0.011	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	0.019 J	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	0.012 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	60.3	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	0.0442	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	13.5	0.0640	0.200	1

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

Sample Description: WS-008(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087820
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05BKG

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	0.0030 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	6.45	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0066 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	0.0027 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	I131621AA	06/11/2013 16:25	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 16:25	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/13/2013 16:54	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 04:41	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 17:26	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:03	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060813 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087821
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05MS

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	57	3.0	5.0	1
02898	Allyl Chloride	107-05-1	4.3	0.1	0.5	1
02898	Benzene	71-43-2	5.0	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.6	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.4	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.5	0.1	0.5	1
02898	Bromoform	75-25-2	5.7	0.1	0.5	1
02898	Bromomethane	74-83-9	4.6	0.1	0.5	1
02898	2-Butanone	78-93-3	61	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	4.7	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	4.8	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	4.7	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	6.4	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.0	0.1	0.5	1
02898	Chloroethane	75-00-3	4.4	0.1	0.5	1
02898	Chloroform	67-66-3	5.9	0.1	0.5	1
02898	Chloromethane	74-87-3	4.4	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	4.5	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	4.6	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	10	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.3	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	4.9	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	4.7	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	4.7	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	4.7	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	4.4	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.9	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.3	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.0	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.3	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	6.6	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	4.9	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.7	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	6.0	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.6	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.7	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	5.1	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.0	0.1	0.5	1
02898	Freon 113	76-13-1	5.7	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.9	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.2	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	4.8	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.7	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	21	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.1	0.2	0.5	1

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

Sample Description: WS-008(Surface)060813 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087821
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05MS

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	4.7	0.1	0.5	1
02898	Styrene	100-42-5	5.0	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	4.1	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.3	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	41	2.0	5.0	1
02898	Toluene	108-88-3	4.9	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.5	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.0	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.8	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.4	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.0	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.5	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	4.7	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	4.7	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	5.0	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.84	0.010	0.052	1
08357	Acenaphthylene	208-96-8	0.88	0.010	0.052	1
08357	Anthracene	120-12-7	0.85	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	1.0	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.83	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.95	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.93	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.91	0.010	0.052	1
08357	Chrysene	218-01-9	0.89	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.99	0.010	0.052	1
08357	Fluoranthene	206-44-0	0.96	0.010	0.052	1
08357	Fluorene	86-73-7	0.87	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.99	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	1.0	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	1.0	0.010	0.052	1
08357	Naphthalene	91-20-3	0.98	0.031	0.052	1
08357	Phenanthrene	85-01-8	1.0	0.031	0.052	1
08357	Pyrene	129-00-0	0.88	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	78.6	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.155	0.0068	0.0200	1
07046	Barium	7440-39-3	2.15	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0499	0.00036	0.0050	1
01750	Calcium	7440-70-2	17.5	0.0640	0.200	1

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

Sample Description: WS-008(Surface)060813 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087821
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05MS

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	0.203	0.0011	0.0150	1
07055	Lead	7439-92-1	0.153	0.0051	0.0150	1
01757	Magnesium	7439-95-4	8.47	0.0606	0.100	1
07061	Nickel	7440-02-0	0.519	0.0011	0.0100	1
07036	Selenium	7782-49-2	0.151	0.0075	0.0200	1
07066	Silver	7440-22-4	0.0543	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	0.00098	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	I131621AA	06/11/2013 14:11	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 14:11	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/13/2013 17:23	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 04:53	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 17:37	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:11	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060813 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087822
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05MSD

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	66	3.0	5.0	1
02898	Allyl Chloride	107-05-1	4.9	0.1	0.5	1
02898	Benzene	71-43-2	5.4	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.2	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.9	0.1	0.5	1
02898	Bromoform	75-25-2	6.1	0.1	0.5	1
02898	Bromomethane	74-83-9	4.9	0.1	0.5	1
02898	2-Butanone	78-93-3	71	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	5.3	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	5.4	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.3	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	6.8	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	4.9	0.1	0.5	1
02898	Chloroform	67-66-3	6.4	0.1	0.5	1
02898	Chloromethane	74-87-3	4.4	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.1	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	5.2	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	10	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.8	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.4	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.4	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.3	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.3	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.3	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	4.4	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	6.2	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.8	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.4	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.8	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	7.0	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.4	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	5.1	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	6.5	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	6.0	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	5.3	0.1	0.5	1
02898	Ethyl ether	60-29-7	5.9	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.4	0.1	0.5	1
02898	Freon 113	76-13-1	6.1	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	5.5	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.6	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.3	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	23	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.5	0.2	0.5	1

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

Sample Description: WS-008(Surface)060813 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087822
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05MSD

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	5.2	0.1	0.5	1
02898	Styrene	100-42-5	5.5	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.7	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	45	2.0	5.0	1
02898	Toluene	108-88-3	5.5	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	5.0	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	5.0	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.5	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.3	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.8	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.2	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.0	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.2	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.3	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	0.80	0.010	0.051	1
08357	Acenaphthylene	208-96-8	0.83	0.010	0.051	1
08357	Anthracene	120-12-7	0.83	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.99	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.82	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	0.84	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.84	0.010	0.051	1
08357	Chrysene	218-01-9	0.87	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.93	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.88	0.010	0.051	1
08357	Fluorene	86-73-7	0.85	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	1.0	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.0	0.010	0.051	1
08357	Naphthalene	91-20-3	1.1	0.030	0.051	1
08357	Phenanthrene	85-01-8	1.0	0.030	0.051	1
08357	Pyrene	129-00-0	0.83	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	78.7	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.157	0.0068	0.0200	1
07046	Barium	7440-39-3	2.16	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0500	0.00036	0.0050	1
01750	Calcium	7440-70-2	17.5	0.0640	0.200	1

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

Sample Description: WS-008(Surface)060813 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087822
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05MSD

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	0.203	0.0011	0.0150	1
07055	Lead	7439-92-1	0.154	0.0051	0.0150	1
01757	Magnesium	7439-95-4	8.49	0.0606	0.100	1
07061	Nickel	7440-02-0	0.521	0.0011	0.0100	1
07036	Selenium	7782-49-2	0.153	0.0075	0.0200	1
07066	Silver	7440-22-4	0.0550	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.519	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00095	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	I131621AA	06/11/2013 14:32	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 14:32	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/13/2013 17:52	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 04:57	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 17:40	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:13	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060813 DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087823
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00868 SDG#: PEI11-05DUP

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	60.8	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	0.0448	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	13.6	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0030 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	6.49	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0063 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	0.0028 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000075 J	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	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 04:49	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 17:33	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:05	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087824
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 12:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00168 SDG#: PEI11-06

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087824
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 12:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00168 SDG#: PEI11-06

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.	0.010	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	0.0272	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.14	0.0640	0.200	1

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

Sample Description: WS-001(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087824
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 12:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00168 SDG#: PEI11-06

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	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.91	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0021 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	I131621AA	06/11/2013 15:44	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 15:44	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 02:32	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:29	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:11	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:15	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087825
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 12:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0168 SDG#: PEI11-07

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087825
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 12:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0168 SDG#: PEI11-07

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.	0.030	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	18.4	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	0.0301	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.16	0.0640	0.200	1

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

Sample Description: WS-001(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087825
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 12:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0168 SDG#: PEI11-07

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	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.94	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	0.0018 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	I131621AA	06/11/2013 16:46	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 16:46	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 03:01	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:33	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:15	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087826
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00468 SDG#: PEI11-08

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	4.6	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-004(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087826
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00468 SDG#: PEI11-08

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	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	0.055	1
08357	Acenaphthylene	208-96-8	N.D.		0.011	0.055	1
08357	Anthracene	120-12-7	N.D.		0.011	0.055	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.011	0.055	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.011	0.055	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.		0.011	0.055	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.011	0.055	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.011	0.055	1
08357	Chrysene	218-01-9	N.D.		0.011	0.055	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.011	0.055	1
08357	Fluoranthene	206-44-0	N.D.		0.011	0.055	1
08357	Fluorene	86-73-7	N.D.		0.011	0.055	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.011	0.055	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.011	0.055	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.011	0.055	1
08357	Naphthalene	91-20-3	N.D.		0.033	0.055	1
08357	Phenanthrene	85-01-8	N.D.		0.033	0.055	1
08357	Pyrene	129-00-0	N.D.		0.011	0.055	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	15.4		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	0.0356		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	3.50		0.0640	0.200	1

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

Sample Description: WS-004(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087826
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00468 SDG#: PEI11-08

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	0.0026 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0052 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.61	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0036 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	0.0049 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000074 J	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	I131621AA	06/11/2013 17:07	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 17:07	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 03:30	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:37	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:19	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:19	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087827
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:10 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0468 SDG#: PEI11-09

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	4.5	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-004(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087827
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:10 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0468 SDG#: PEI11-09

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	4.0		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	0.014	J	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	0.012	J	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	0.027	J	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	0.017	J	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.011	0.053	1
08357	Chrysene	218-01-9	0.022	J	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	0.023	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	0.016	J	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	0.011	J	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.		0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.		0.032	0.053	1
08357	Pyrene	129-00-0	0.025	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	19.6		0.064	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0106	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0769		0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.00036	J	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.29		0.0640	0.200	1

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

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Analysis Report

Sample Description: WS-004(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087827
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:10 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0468 SDG#: PEI11-09

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	0.0094 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0368	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.15	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0094 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	0.0134	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000077 J	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	I131621AA	06/11/2013 18:10	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 18:10	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 03:59	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:41	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:23	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:21	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087828
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00768 SDG#: PEI11-10

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	3.9	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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087828
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00768 SDG#: PEI11-10

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	0.3	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	0.051	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.051	1
08357	Anthracene	120-12-7	0.024	J	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.052		0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.041	J	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.15		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.041	J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.046	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.13		0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.051	1
08357	Fluoranthene	206-44-0	0.25		0.010	0.051	1
08357	Fluorene	86-73-7	0.013	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.053		0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.011	J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.011	J	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.030	0.051	1
08357	Phenanthrene	85-01-8	0.083		0.030	0.051	1
08357	Pyrene	129-00-0	0.21		0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	14.2		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	0.0329		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	3.18		0.0640	0.200	1

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

Sample Description: WS-007(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087828
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00768 SDG#: PEI11-10

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	0.0025 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.51	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0039 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	0.000079 J	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	I131621AA	06/11/2013 18:31	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 18:31	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 04:27	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:45	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:26	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:23	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087829
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0768 SDG#: PEI11-11

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	3.8	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(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087829
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0768 SDG#: PEI11-11

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	1.1	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	0.055	0.010	0.052	1
08357	Acenaphthylene	208-96-8	0.14	0.010	0.052	1
08357	Anthracene	120-12-7	0.30	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	1.0	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.92	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	2.7	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.73	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.88	0.010	0.052	1
08357	Chrysene	218-01-9	2.6	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.16	0.010	0.052	1
08357	Fluoranthene	206-44-0	3.2	0.010	0.052	1
08357	Fluorene	86-73-7	0.049 J	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.88	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.014 J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.015 J	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	0.65	0.031	0.052	1
08357	Pyrene	129-00-0	2.9	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.6	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0077 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0832	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.81	0.0640	0.200	1

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

Sample Description: WS-007(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087829
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0768 SDG#: PEI11-11

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	0.0164	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.20	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0078 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	0.0129	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000097 J	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	I131621AA	06/11/2013 18:51	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 18:51	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 04:56	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:49	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:30	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087830
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:45 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00668 SDG#: PEI11-12

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087830
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:45 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00668 SDG#: PEI11-12

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	0.037 J	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	18.3	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	0.0239	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.11	0.0640	0.200	1

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

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Analysis Report

Sample Description: WS-006(Surface)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087830
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:45 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00668 SDG#: PEI11-12

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	1.95	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0019 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	0.0014 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	I131621AA	06/11/2013 19:12	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 19:12	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 05:25	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:53	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:34	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:27	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087831
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0668 SDG#: PEI11-13

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)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087831
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0668 SDG#: PEI11-13

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.	0.011	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	18.8	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	0.0279	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.24	0.0640	0.200	1

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

Sample Description: WS-006(0.5-1.0)060813 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087831
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/08/2013 13:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0668 SDG#: PEI11-13

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	1.99	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	0.0019 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000072 J	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	I131621AA	06/11/2013 19:33	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 19:33	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 05:53	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 05:57	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:38	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:29	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-003(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087832
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00369 SDG#: PEI11-14

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087832
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00369 SDG#: PEI11-14

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	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.8	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	0.0196	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.19	0.0640	0.200	1

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

Sample Description: WS-003(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087832
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

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

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00369 SDG#: PEI11-14

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	2.01	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0016 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	0.000077 J	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	I131621AA	06/11/2013 19:54	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 19:54	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 06:22	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:09	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:49	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:35	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087833
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:15 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00269 SDG#: PEI11-15

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087833
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:15 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00269 SDG#: PEI11-15

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	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	N.D.	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.054	1
08357	Chrysene	218-01-9	N.D.	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	N.D.	0.033	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.033	0.054	1
08357	Pyrene	129-00-0	N.D.	0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.4	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	0.0198	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.34	0.0640	0.200	1

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

Sample Description: WS-002(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087833
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:15 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00269 SDG#: PEI11-15

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	2.07	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0014 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	0.000071 J	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	I131621AA	06/11/2013 20:15	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131621AA	06/11/2013 20:15	Angela D Sneeringer	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 06:51	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:13	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:53	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:37	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-BKG-002(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087834
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

B0269 SDG#: PEI11-16

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087834
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

B0269 SDG#: PEI11-16

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	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	27.9	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	0.0392	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	6.39	0.0640	0.200	1

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

Sample Description: WS-BKG-002(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087834
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

B0269 SDG#: PEI11-16

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	2.90	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0036 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	0.0036 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00010 J	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	I131622AA	06/12/2013 00:21	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 00:21	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 07:19	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:17	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 18:56	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:39	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087835
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00569 SDG#: PEI11-17

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087835
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00569 SDG#: PEI11-17

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	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.6	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	0.0140	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.45	0.0640	0.200	1

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

Sample Description: WS-005(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087835
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 09:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00569 SDG#: PEI11-17

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	2.06	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	0.00011 J	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	I131622AA	06/12/2013 00:42	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 00:42	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAB026	06/14/2013 07:48	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAB026	06/11/2013 13:45	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:21	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 19:00	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:41	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087836
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:10 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00869 SDG#: PEI11-18

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	4.6	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	0.7		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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087836
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:10 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00869 SDG#: PEI11-18

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	0.015 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	0.020 J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.039 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	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 laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	64.8	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	0.0581	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: WS-008(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087836
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:10 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00869 SDG#: PEI11-18

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**	
01750	Calcium	7440-70-2	13.6	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0043 J	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	7.48	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0066 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	0.0055	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000078 J	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	I131622AA	06/12/2013 01:03	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 01:03	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 09:58	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:25	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 19:04	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713001	06/12/2013 07:43	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713001	06/11/2013 16:15	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087837
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00169 SDG#: PEI11-19

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087837
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00169 SDG#: PEI11-19

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
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.8	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	0.0251	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: WS-001(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087837
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00169 SDG#: PEI11-19

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**	
01750	Calcium	7440-70-2	4.24	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	2.00	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	0.0018 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	I131622AA	06/11/2013 22:57	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/11/2013 22:57	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 10:26	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:29	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 19:08	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 07:49	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087838
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0169 SDG#: PEI11-20

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087838
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0169 SDG#: PEI11-20

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	0.024 J	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
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.3	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	0.0213	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: WS-001(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087838
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0169 SDG#: PEI11-20

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**	
01750	Calcium	7440-70-2	4.15	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	1.93	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	I131622AA	06/12/2013 01:24	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 01:24	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 10:55	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131656256012	06/14/2013 11:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848003	06/14/2013 06:33	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848003	06/13/2013 19:11	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 07:51	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848003	06/12/2013 13:40	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087839
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00469 SDG#: PEI11-21

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	4.7 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-004(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087839
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00469 SDG#: PEI11-21

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	0.050	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	0.011	J	0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	0.013	J	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
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.						
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	15.9		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	0.0351		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1

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

Sample Description: WS-004(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087839
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 10:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00469 SDG#: PEI11-21

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**	
01750	Calcium	7440-70-2	3.67	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0023 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0107 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.64	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0029 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	0.0042 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000078 J	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	I131622AA	06/12/2013 01:45	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 01:45	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 11:24	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131621848004	06/14/2013 12:42	Parker D Lindstrom	1
07035	Arsenic	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07066	Silver	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848004	06/13/2013 19:45	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 07:53	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848004	06/12/2013 13:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087840
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0469 SDG#: PEI11-22

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	4.6	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-004(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087840
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0469 SDG#: PEI11-22

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	2.2	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	0.013 J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.015 J	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
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.8	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	0.0573	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.00037 J	0.00036	0.0050	1

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

Sample Description: WS-004(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087840
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:00 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0469 SDG#: PEI11-22

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**	
01750	Calcium	7440-70-2	4.28	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0063 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0280	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.96	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0059 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	0.0085	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000075 J	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	I131622AA	06/12/2013 02:05	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 02:05	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 11:53	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131621848004	06/14/2013 12:42	Parker D Lindstrom	1
07035	Arsenic	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07066	Silver	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848004	06/13/2013 19:49	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 07:59	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848004	06/12/2013 13:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087841
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:20 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00969 SDG#: PEI11-23

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	3.9	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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087841
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:20 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00969 SDG#: PEI11-23

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	0.011 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	0.012 J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.025 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.017 J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.020 J	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	0.020 J	0.010	0.051	1
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	15.7	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	0.0365	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: WS-007(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087841
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:20 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00969 SDG#: PEI11-23

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**	
01750	Calcium	7440-70-2	3.57	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0025 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0096 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.65	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0039 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	0.0044 J	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000077 J	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	I131622AA	06/12/2013 02:26	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 02:26	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 12:21	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131621848004	06/14/2013 12:42	Parker D Lindstrom	1
07035	Arsenic	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07066	Silver	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848004	06/13/2013 20:00	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 08:01	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848004	06/12/2013 13:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087842
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0769 SDG#: PEI11-24

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	3.6	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(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087842
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0769 SDG#: PEI11-24

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	0.9	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	0.041 J	0.011	0.053	1
08357	Acenaphthylene	208-96-8	0.092	0.011	0.053	1
08357	Anthracene	120-12-7	0.17	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	0.56	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	0.50	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	1.5	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	0.44	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	0.49	0.011	0.053	1
08357	Chrysene	218-01-9	1.2	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	0.13	0.011	0.053	1
08357	Fluoranthene	206-44-0	2.1	0.011	0.053	1
08357	Fluorene	86-73-7	0.039 J	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.64	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	0.019 J	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	0.023 J	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.053	1
08357	Phenanthrene	85-01-8	0.42	0.032	0.053	1
08357	Pyrene	129-00-0	1.9	0.011	0.053	1

The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	20.0	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	0.0804	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.00042 J	0.00036	0.0050	1

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

Sample Description: WS-007(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087842
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:30 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0769 SDG#: PEI11-24

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**	
01750	Calcium	7440-70-2	4.04	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0087 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0323	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.40	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0073 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	0.0132	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.000082 J	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	I131622AA	06/12/2013 02:47	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 02:47	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 12:50	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131621848004	06/14/2013 12:42	Parker D Lindstrom	1
07035	Arsenic	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07066	Silver	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848004	06/13/2013 20:04	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 08:03	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848004	06/12/2013 13:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087843
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00669 SDG#: PEI11-25

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087843
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00669 SDG#: PEI11-25

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
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.7	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	0.0237	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: WS-006(Surface)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087843
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:40 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

00669 SDG#: PEI11-25

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**	
01750	Calcium	7440-70-2	4.31	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	2.18	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	0.0017 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	I131622AA	06/12/2013 03:08	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 03:08	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 14:59	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131686256010	06/17/2013 07:45	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	2	131641848001	06/14/2013 22:57	John W Yanzuk II	1
07046	Barium	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	2	131641848001	06/14/2013 22:57	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
07051	Chromium	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
07055	Lead	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	2	131641848001	06/17/2013 00:28	Tara L Snyder	1
07061	Nickel	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
07036	Selenium	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
07066	Silver	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	2	131641848001	06/14/2013 13:39	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 08:05	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848005	06/12/2013 16:36	James L Mertz	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	2	131641848001	06/13/2013 23:50	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087844
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0669 SDG#: PEI11-26

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)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087844
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0669 SDG#: PEI11-26

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	0.012 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	0.013 J	0.010	0.051	1
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.8	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	0.0262	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: WS-006(0.5-1.0)060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087844
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 11:50 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

D0669 SDG#: PEI11-26

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**	
01750	Calcium	7440-70-2	4.47	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0012 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0063 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.10	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	0.0024 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	I131622AA	06/12/2013 03:29	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 03:29	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 15:28	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131621848004	06/14/2013 12:42	Parker D Lindstrom	1
07035	Arsenic	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07066	Silver	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848004	06/13/2013 20:08	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 08:14	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848004	06/12/2013 13:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: DUP-WS-38-060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087845
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

DUP38 SDG#: PEI11-27FD

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	3.8	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	0.6		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: DUP-WS-38-060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087845
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

DUP38 SDG#: PEI11-27FD

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	0.013 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	0.062	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.030 J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	0.023 J	0.010	0.051	1
	The laboratory did not receive sufficient sample volume to perform the method QC requirement for MS/MSD or MS/DUP analysis.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	65.6	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	0.0546	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1

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

Sample Description: DUP-WS-38-060913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087845
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013 by JO

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

DUP38 SDG#: PEI11-27FD

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**	
01750	Calcium	7440-70-2	14.0	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0044 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0148 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	7.45	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0063 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	0.0057	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	I131622AA	06/12/2013 03:50	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/12/2013 03:50	Kevin A Sposito	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13162WAL026	06/13/2013 15:57	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13162WAL026	06/12/2013 07:10	Catherine R Wiker	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131621848004	06/14/2013 12:42	Parker D Lindstrom	1
07035	Arsenic	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07046	Barium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
01750	Calcium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07051	Chromium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07055	Lead	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07061	Nickel	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07036	Selenium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07066	Silver	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131621848004	06/13/2013 20:12	John P Hook	1
00259	Mercury	SW-846 7470A	1	131625713002	06/12/2013 08:16	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131621848004	06/12/2013 13:45	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131625713002	06/11/2013 16:50	Nelli S Markaryan	1

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

Sample Description: WS-TB-68-060913 Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087846
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

TB-68 SDG#: PEI11-28TB*

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-68-060913 Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7087846
LLI Group # 1395953
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/09/2013

Submitted: 06/10/2013 17:25
Reported: 06/17/2013 12:47

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

TB-68 SDG#: PEI11-28TB*

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	I131622AA	06/11/2013 23:18	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131622AA	06/11/2013 23:18	Kevin A Sposito	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
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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: C131631AA	Sample number(s): 7087816-7087817								
Acetone	N.D.	3.0	5.0	ug/l	118		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	83		61-130		
Benzene	N.D.	0.1	0.5	ug/l	104		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	105		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	114		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	105		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	119		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	86		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	112		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	98		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	100		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	103		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	113		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	111		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	84		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	107		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	72		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	103		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	106		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	115		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	116		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	108		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	104		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	106		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	105		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	57		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	104		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	105		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	109		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	111		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	111		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	107		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	105		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	108		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	105		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	106		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	102		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	101		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	104		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	113		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	97		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: 1395953
Reported: 06/17/13 at 12:47 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	104		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	101		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	97		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	96		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	100		80-120		
Styrene	N.D.	0.1	0.5	ug/l	110		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	110		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	99		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	110		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	116		65-131		
Toluene	N.D.	0.1	0.5	ug/l	106		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	84		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	86		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	108		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	110		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	108		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	89		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	102		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	101		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	102		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	77		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	107		80-120		
Batch number: I131621AA	Sample number(s): 7087818-7087822,7087824-7087833								
Acetone	N.D.	3.0	5.0	ug/l	91		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	80		61-130		
Benzene	N.D.	0.1	0.5	ug/l	96		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	98		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	102		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	109		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	122		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	89		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	121		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	95		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	116		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	101		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	83		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	108		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	77		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	95		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	96		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	157*		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	110		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	105		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	103		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	99		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	100		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	74		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	99		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	117		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	98		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	98		80-120		

*- 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: 1395953
Reported: 06/17/13 at 12:47 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	102		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	118		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	98		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	99		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	103		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	97		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	101		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	108		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	99		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	102		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	97		61-125		
Isopropylbenzene	N.D.	0.1	0.5	ug/l	101		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	96		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	95		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	96		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	99		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	95		80-120		
Styrene	N.D.	0.1	0.5	ug/l	104		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	107		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	92		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	102		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	121		65-131		
Toluene	N.D.	0.1	0.5	ug/l	96		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	97		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	95		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	104		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	105		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	104		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	100		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	84		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	100		80-120		
Batch number: I131622AA	Sample number(s): 7087834-7087846								
Acetone	N.D.	3.0	5.0	ug/l	96		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	82		61-130		
Benzene	N.D.	0.1	0.5	ug/l	96		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	99		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	111		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	114		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	84		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	96		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	91		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	91		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	119		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	80		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	110		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	76		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	90		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	91		80-120		

*- 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: 1395953
Reported: 06/17/13 at 12:47 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	107		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	106		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	101		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	96		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	94		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	94		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	73		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	101		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	123		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	99		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	97		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	100		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	120		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	99		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	98		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	115		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	106		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	96		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	99		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	111		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	104		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	89		61-125		
Isopropylbenzene	N.D.	0.1	0.5	ug/l	98		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	91		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	99		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	96		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	100		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	91		80-120		
Styrene	N.D.	0.1	0.5	ug/l	100		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	103		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	90		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	97		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	93		65-131		
Toluene	N.D.	0.1	0.5	ug/l	95		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	90		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	88		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	115		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	99		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	104		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	100		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	86		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	97		80-120		
Batch number: 13162WAB026	Sample number(s): 7087816-7087822,7087824-7087835								
Acenaphthene	N.D.	0.010	0.050	ug/l	90		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	94		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	97		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	106		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	93		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	104		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	106		63-121		

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	95		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	97		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	100		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	97		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	90		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	107		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	99		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	98		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	94		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	95		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	99		71-116		
Batch number: 13162WAL026	Sample number(s): 7087836-7087845								
Acenaphthene	N.D.	0.010	0.050	ug/l	95	94	65-124	1	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	99	98	72-113	1	30
Anthracene	N.D.	0.010	0.050	ug/l	104	102	70-117	2	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	111	108	75-115	2	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	102	101	72-120	1	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	112	110	74-130	2	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	110	110	63-121	0	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	102	100	74-118	2	30
Chrysene	N.D.	0.010	0.050	ug/l	103	101	75-112	2	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	109	107	66-122	1	30
Fluoranthene	N.D.	0.010	0.050	ug/l	102	100	73-116	2	30
Fluorene	N.D.	0.010	0.050	ug/l	95	94	74-115	1	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	113	114	66-122	0	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	107	106	72-114	1	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	104	103	74-119	1	30
Naphthalene	N.D.	0.030	0.050	ug/l	100	100	67-118	1	30
Phenanthrene	N.D.	0.030	0.050	ug/l	99	97	72-109	2	30
Pyrene	N.D.	0.010	0.050	ug/l	102	103	71-116	0	30
Batch number: 131621848003	Sample number(s): 7087816-7087838								
Arsenic	N.D.	0.0068	0.0200	mg/l	100		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	104		90-110		
Cadmium	N.D.	0.00036	0.0050	mg/l	99		90-112		
Calcium	N.D.	0.0640	0.200	mg/l	97		90-110		
Chromium	N.D.	0.0011	0.0150	mg/l	98		90-110		
Lead	N.D.	0.0051	0.0150	mg/l	100		88-110		
Magnesium	N.D.	0.0606	0.100	mg/l	97		90-110		
Nickel	N.D.	0.0011	0.0100	mg/l	102		90-111		
Selenium	N.D.	0.0075	0.0200	mg/l	100		80-120		
Silver	N.D.	0.0012	0.0050	mg/l	107		80-120		
Vanadium	N.D.	0.0013	0.0050	mg/l	101		90-110		
Batch number: 131621848004	Sample number(s): 7087839-7087842,7087844-7087845								
Arsenic	N.D.	0.0068	0.0200	mg/l	100		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	102		90-110		
Cadmium	N.D.	0.00036	0.0050	mg/l	102		90-112		
Calcium	N.D.	0.0640	0.200	mg/l	101		90-110		
Chromium	N.D.	0.0011	0.0150	mg/l	103		90-110		
Lead	N.D.	0.0051	0.0150	mg/l	103		88-110		
Magnesium	N.D.	0.0606	0.100	mg/l	99		90-110		
Nickel	N.D.	0.0011	0.0100	mg/l	105		90-111		
Selenium	N.D.	0.0075	0.0200	mg/l	98		80-120		
Silver	N.D.	0.0012	0.0050	mg/l	100		80-120		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vanadium	N.D.	0.0013	0.0050	mg/l	103		90-110		
Batch number: 131625713001	Sample number(s): 7087816-7087836								
Mercury	N.D.	0.00007 0	0.00020	mg/l	102		80-120		
Batch number: 131625713002	Sample number(s): 7087837-7087845								
Mercury	N.D.	0.00007 0	0.00020	mg/l	95		80-120		
Batch number: 131641848001	Sample number(s): 7087843								
Arsenic	N.D.	0.0068	0.0200	mg/l	101		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	105		90-110		
Cadmium	N.D.	0.00036	0.0050	mg/l	104		90-112		
Calcium	N.D.	0.0640	0.200	mg/l	102		90-110		
Chromium	N.D.	0.0011	0.0150	mg/l	103		90-110		
Lead	N.D.	0.0051	0.0150	mg/l	105		88-110		
Magnesium	N.D.	0.0606	0.100	mg/l	104		90-110		
Nickel	N.D.	0.0011	0.0100	mg/l	105		90-111		
Selenium	N.D.	0.0075	0.0200	mg/l	101		80-120		
Silver	N.D.	0.0012	0.0050	mg/l	113		80-120		
Vanadium	N.D.	0.0013	0.0050	mg/l	103		90-110		

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: C131631AA	Sample number(s): 7087816-7087817 UNSPK: P087007								
Acetone	164*	143	57-163	14	30				
Allyl Chloride	81	85	67-139	4	30				
Benzene	94	101	87-126	8	30				
Bromobenzene	91	98	80-123	8	30				
Bromochloromethane	109	111	82-125	2	30				
Bromodichloromethane	92	98	82-133	6	30				
Bromoform	100	106	60-138	6	30				
Bromomethane	84	86	41-145	3	30				
2-Butanone	117	109	63-146	7	30				
n-Butylbenzene	90	97	83-131	7	30				
sec-Butylbenzene	92	100	84-128	8	30				
tert-Butylbenzene	93	101	84-135	9	30				
Carbon Tetrachloride	104	112	81-148	7	30				
Chlorobenzene	97	104	78-133	8	30				
Chloroethane	83	86	70-139	3	30				
Chloroform	94	100	86-136	6	30				
Chloromethane	70	73	55-152	3	30				
2-Chlorotoluene	91	99	81-120	8	30				
4-Chlorotoluene	94	101	82-119	7	30				
1,2-Dibromo-3-chloropropane	104	99	43-143	5	30				
Dibromochloromethane	97	104	79-125	8	30				
1,2-Dibromoethane	93	98	84-127	5	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 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
Dibromomethane	93	98	83-126	6	30				
1,2-Dichlorobenzene	90	98	83-117	8	30				
1,3-Dichlorobenzene	93	101	81-118	8	30				
1,4-Dichlorobenzene	92	99	79-120	8	30				
Dichlorodifluoromethane	54	56	28-136	3	30				
1,1-Dichloroethane	94	101	88-136	7	30				
1,2-Dichloroethane	92	98	82-135	7	30				
1,1-Dichloroethene	105	113	83-150	7	30				
cis-1,2-Dichloroethene	96	103	82-129	7	30				
trans-1,2-Dichloroethene	99	107	88-127	8	30				
Dichlorofluoromethane	109	113	59-176	3	30				
1,2-Dichloropropane	94	101	91-126	8	30				
1,3-Dichloropropane	89	97	80-127	8	30				
2,2-Dichloropropane	97	106	80-134	9	30				
1,1-Dichloropropene	96	103	86-139	7	30				
cis-1,3-Dichloropropene	94	103	74-132	9	30				
trans-1,3-Dichloropropene	86	93	71-128	8	30				
Ethyl ether	102	100	67-127	2	30				
Ethylbenzene	92	100	80-140	8	30				
Freon 113	104	114	87-158	9	30				
Hexachlorobutadiene	91	99	65-128	9	30				
Isopropylbenzene	92	101	81-133	9	30				
p-Isopropyltoluene	92	100	84-124	9	30				
Methyl Tertiary Butyl Ether	82	90	82-132	9	30				
4-Methyl-2-Pentanone	85	88	69-149	4	30				
Methylene Chloride	97	104	84-122	7	30				
n-Propylbenzene	90	97	79-131	8	30				
Styrene	96	104	63-151	7	30				
1,1,1,2-Tetrachloroethane	95	103	87-126	8	30				
1,1,2,2-Tetrachloroethane	85	92	75-131	8	30				
Tetrachloroethene	113	121	75-129	6	30				
Tetrahydrofuran	106	102	56-154	4	30				
Toluene	102	107	83-127	3	30				
1,2,3-Trichlorobenzene	75	82	73-125	10	30				
1,2,4-Trichlorobenzene	75*	85	77-120	13	30				
1,1,1-Trichloroethane	98	107	85-140	8	30				
1,1,2-Trichloroethane	95	100	85-129	5	30				
Trichloroethene	97	105	85-131	8	30				
Trichlorofluoromethane	88	91	67-161	4	30				
1,2,3-Trichloropropane	86	91	76-120	6	30				
1,2,4-Trimethylbenzene	89	98	87-126	10	30				
1,3,5-Trimethylbenzene	90	99	89-129	9	30				
Vinyl Chloride	77	80	65-151	4	30				
Xylene (Total)	95	103	81-137	9	30				
Batch number: I131621AA	Sample number(s): 7087818-7087822,7087824-7087833 UNSPK: 7087820								
Acetone	129	153	57-163	15	30				
Allyl Chloride	86	97	67-139	13	30				
Benzene	99	107	87-126	8	30				
Bromobenzene	92	103	80-123	11	30				
Bromochloromethane	107	116	82-125	8	30				
Bromodichloromethane	110	118	82-133	7	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 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
Bromoform	114	123	60-138	8	30				
Bromomethane	92	99	41-145	7	30				
2-Butanone	159*	186*	63-146	16	30				
n-Butylbenzene	95	106	83-131	12	30				
sec-Butylbenzene	95	107	84-128	12	30				
tert-Butylbenzene	94	105	84-135	12	30				
Carbon Tetrachloride	128	136	81-148	6	30				
Chlorobenzene	99	110	78-133	10	30				
Chloroethane	87	98	70-139	12	30				
Chloroform	111	120	86-136	7	30				
Chloromethane	87	88	55-152	1	30				
2-Chlorotoluene	91	102	81-120	12	30				
4-Chlorotoluene	92	104	82-119	12	30				
1,2-Dibromo-3-chloropropane	200*	208*	43-143	4	30				
Dibromochloromethane	105	115	79-125	9	30				
1,2-Dibromoethane	99	107	84-127	8	30				
Dibromomethane	101	107	83-126	6	30				
1,2-Dichlorobenzene	94	105	83-117	11	30				
1,3-Dichlorobenzene	95	107	81-118	12	30				
1,4-Dichlorobenzene	94	107	79-120	12	30				
Dichlorodifluoromethane	89	88	28-136	1	30				
1,1-Dichloroethane	101	111	88-136	9	30				
1,2-Dichloroethane	117	124	82-135	6	30				
1,1-Dichloroethene	105	116	83-150	10	30				
cis-1,2-Dichloroethene	100	109	82-129	9	30				
trans-1,2-Dichloroethene	107	115	88-127	8	30				
Dichlorofluoromethane	131	141	59-176	7	30				
1,2-Dichloropropane	98	107	91-126	9	30				
1,3-Dichloropropane	94	103	80-127	9	30				
2,2-Dichloropropane	120	131	80-134	8	30				
1,1-Dichloropropene	111	121	86-139	8	30				
cis-1,3-Dichloropropene	95	104	74-132	9	30				
trans-1,3-Dichloropropene	96	106	71-128	10	30				
Ethyl ether	103	118	67-127	14	30				
Ethylbenzene	99	109	80-140	9	30				
Freon 113	113	123	87-158	8	30				
Hexachlorobutadiene	98	110	65-128	12	30				
Isopropylbenzene	103	113	81-133	9	30				
p-Isopropyltoluene	96	107	84-124	11	30				
Methyl Tertiary Butyl Ether	94	101	82-132	7	30				
4-Methyl-2-Pentanone	85	91	69-149	7	30				
Methylene Chloride	102	111	84-122	8	30				
n-Propylbenzene	93	104	79-131	11	30				
Styrene	100	111	63-151	10	30				
1,1,1,2-Tetrachloroethane	103	113	87-126	9	30				
1,1,2,2-Tetrachloroethane	82	90	75-131	10	30				
Tetrachloroethene	105	114	75-129	8	30				
Tetrahydrofuran	164*	181*	56-154	10	30				
Toluene	98	110	83-127	12	30				
1,2,3-Trichlorobenzene	90	101	73-125	11	30				
1,2,4-Trichlorobenzene	91	100	77-120	10	30				
1,1,1-Trichloroethane	121	130	85-140	7	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 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
1,1,2-Trichloroethane	96	106	85-129	10	30				
Trichloroethene	109	116	85-131	7	30				
Trichlorofluoromethane	121	124	67-161	3	30				
1,2,3-Trichloropropane	89	100	76-120	11	30				
1,2,4-Trimethylbenzene	94	105	87-126	11	30				
1,3,5-Trimethylbenzene	94	106	89-129	11	30				
Vinyl Chloride	100	100	65-151	0	30				
Xylene (Total)	100	109	81-137	9	30				
Batch number: I131622AA	Sample number(s): 7087834-7087846 UNSPK: 7087837								
Acetone	97	88	57-163	9	30				
Allyl Chloride	85	87	67-139	3	30				
Benzene	100	100	87-126	0	30				
Bromobenzene	91	90	80-123	1	30				
Bromochloromethane	96	99	82-125	3	30				
Bromodichloromethane	111	112	82-133	1	30				
Bromoform	114	111	60-138	3	30				
Bromomethane	82	86	41-145	5	30				
2-Butanone	96	88	63-146	9	30				
n-Butylbenzene	104	95	83-131	9	30				
sec-Butylbenzene	102	95	84-128	8	30				
tert-Butylbenzene	93	90	84-135	3	30				
Carbon Tetrachloride	128	125	81-148	2	30				
Chlorobenzene	100	98	78-133	2	30				
Chloroethane	80	84	70-139	4	30				
Chloroform	114	111	86-136	2	30				
Chloromethane	72	89	55-152	20	30				
2-Chlorotoluene	94	90	81-120	4	30				
4-Chlorotoluene	94	91	82-119	3	30				
1,2-Dibromo-3-chloropropane	102	88	43-143	15	30				
Dibromochloromethane	105	104	79-125	1	30				
1,2-Dibromoethane	100	101	84-127	1	30				
Dibromomethane	104	103	83-126	1	30				
1,2-Dichlorobenzene	96	94	83-117	2	30				
1,3-Dichlorobenzene	97	94	81-118	3	30				
1,4-Dichlorobenzene	96	93	79-120	3	30				
Dichlorodifluoromethane	69	75	28-136	9	30				
1,1-Dichloroethane	106	105	88-136	1	30				
1,2-Dichloroethane	123	120	82-135	3	30				
1,1-Dichloroethene	106	106	83-150	0	30				
cis-1,2-Dichloroethene	101	100	82-129	1	30				
trans-1,2-Dichloroethene	107	105	88-127	1	30				
Dichlorofluoromethane	121	125	59-176	3	30				
1,2-Dichloropropane	103	102	91-126	0	30				
1,3-Dichloropropane	93	95	80-127	2	30				
2,2-Dichloropropane	124	123	80-134	1	30				
1,1-Dichloropropene	115	114	86-139	1	30				
cis-1,3-Dichloropropene	99	99	74-132	0	30				
trans-1,3-Dichloropropene	96	98	71-128	2	30				
Ethyl ether	109	109	67-127	0	30				
Ethylbenzene	103	99	80-140	3	30				
Freon 113	114	112	87-158	3	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 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
Hexachlorobutadiene	91	92	65-128	1	30				
Isopropylbenzene	110	102	81-133	8	30				
p-Isopropyltoluene	101	95	84-124	6	30				
Methyl Tertiary Butyl Ether	99	100	82-132	1	30				
4-Methyl-2-Pentanone	97	95	69-149	3	30				
Methylene Chloride	102	104	84-122	2	30				
n-Propylbenzene	104	94	79-131	10	30				
Styrene	108	101	63-151	7	30				
1,1,1,2-Tetrachloroethane	105	101	87-126	3	30				
1,1,2,2-Tetrachloroethane	94	85	75-131	10	30				
Tetrachloroethene	100	101	75-129	0	30				
Tetrahydrofuran	99	85	56-154	15	30				
Toluene	97	98	83-127	1	30				
1,2,3-Trichlorobenzene	83	87	73-125	5	30				
1,2,4-Trichlorobenzene	84	87	77-120	3	30				
1,1,1-Trichloroethane	122	119	85-140	2	30				
1,1,2-Trichloroethane	94	95	85-129	2	30				
Trichloroethene	110	110	85-131	0	30				
Trichlorofluoromethane	109	112	67-161	2	30				
1,2,3-Trichloropropane	101	92	76-120	9	30				
1,2,4-Trimethylbenzene	102	93	87-126	9	30				
1,3,5-Trimethylbenzene	102	94	89-129	8	30				
Vinyl Chloride	83	98	65-151	16	30				
Xylene (Total)	105	100	81-137	5	30				
Batch number: 13162WAB026	Sample number(s): 7087816-7087822,7087824-7087835 UNSPK: 7087820								
Acenaphthene	81	79	59-127	4	30				
Acenaphthylene	85	82	33-146	6	30				
Anthracene	82	82	69-119	2	30				
Benzo(a)anthracene	100	98	67-124	5	30				
Benzo(a)pyrene	80	81	64-123	2	30				
Benzo(b)fluoranthene	91	97	61-133	3	30				
Benzo(g,h,i)perylene	89	83	36-138	9	30				
Benzo(k)fluoranthene	88	83	59-128	8	30				
Chrysene	86	86	62-118	2	30				
Dibenz(a,h)anthracene	95	92	32-141	6	30				
Fluoranthene	91	85	65-123	8	30				
Fluorene	84	84	69-124	3	30				
Indeno(1,2,3-cd)pyrene	95	93	29-143	5	30				
1-Methylnaphthalene	99	101	67-117	1	30				
2-Methylnaphthalene	99	100	71-126	1	30				
Naphthalene	94	105	58-131	9	30				
Phenanthrene	97	99	67-117	0	30				
Pyrene	84	81	59-125	6	30				
Batch number: 131621848003	Sample number(s): 7087816-7087838 UNSPK: 7087820 BKG: 7087820								
Arsenic	103	104	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	105	106	78-118	0	20	0.0442	0.0448	1	20
Cadmium	100	100	83-116	0	20	N.D.	N.D.	0 (1)	20
Calcium	100	100	81-118	0	20	13.5	13.6	1	20
Chromium	100	100	81-120	0	20	0.0030 J	0.0030 J	0 (1)	20
Lead	102	102	75-125	1	20	N.D.	N.D.	0 (1)	20

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1395953
Reported: 06/17/13 at 12:47 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
Magnesium	101	102	75-125	0	20	6.45	6.49	1	20
Nickel	102	103	86-115	0	20	0.0066 J	0.0063 J	4 (1)	20
Selenium	101	102	75-125	2	20	N.D.	N.D.	0 (1)	20
Silver	109	110	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	103	103	90-111	0	20	0.0027 J	0.0028 J	4 (1)	20
Batch number: 131621848004	Sample number(s): 7087839-7087842,7087844-7087845 UNSPK: P088187 BKG: P088187								
Arsenic	103	104	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	106	104	78-118	1	20	0.0628	0.0649	3	20
Cadmium	104	104	83-116	0	20	N.D.	N.D.	0 (1)	20
Calcium	112	111	81-118	0	20	15.6	15.9	2	20
Chromium	108	106	81-120	1	20	0.0021 J	0.0021 J	3 (1)	20
Lead	106	106	75-125	0	20	0.0062 J	0.0075 J	19 (1)	20
Magnesium	110	110	75-125	0	20	6.54	6.72	3	20
Nickel	106	106	86-115	0	20	0.0040 J	0.0046 J	14 (1)	20
Selenium	100	101	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	104	104	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	108	106	90-111	1	20	0.0035 J	0.0037 J	7 (1)	20
Batch number: 131625713001	Sample number(s): 7087816-7087836 UNSPK: 7087820 BKG: 7087820								
Mercury	98	95	80-120	3	20	N.D.	0.000075 J	200* (1)	20
Batch number: 131625713002	Sample number(s): 7087837-7087845 UNSPK: 7087843 BKG: 7087843								
Mercury	94	94	80-120	0	20	N.D.	0.000073 J	200* (1)	20
Batch number: 131641848001	Sample number(s): 7087843 UNSPK: P091217 BKG: P091217								
Arsenic	103	104	81-123	2	20	N.D.	N.D.	0 (1)	20
Barium	104	104	78-118	0	20	0.0505	0.0504	0	20
Cadmium	103	104	83-116	2	20	N.D.	N.D.	0 (1)	20
Calcium	105	102	81-118	1	20	15.9	16.0	0	20
Chromium	103	105	81-120	1	20	N.D.	0.0012 J	200* (1)	20
Lead	104	104	75-125	0	20	N.D.	N.D.	0 (1)	20
Magnesium	102	103	75-125	0	20	7.20	7.17	0	20
Nickel	104	104	86-115	0	20	0.0036 J	0.0039 J	6 (1)	20
Selenium	101	101	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	113	113	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	104	104	90-111	0	20	0.0013 J	0.0014 J	7 (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: BTEX 25-ml purge
Batch number: C131631AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7087816	107	106	97	94
7087817	108	106	97	95

*- 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: 1395953
Reported: 06/17/13 at 12:47 PM

Surrogate Quality Control

Blank	106	104	97	93
LCS	105	102	101	100
MS	105	103	101	100
MSD	104	102	100	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BTEX 25-ml purge
Batch number: I131621AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7087818	113	106	94	97
7087819	111	104	94	97
7087820	110	106	95	99
7087821	108	107	97	104
7087822	105	96	99	102
7087824	110	107	96	100
7087825	111	110	94	99
7087826	111	106	94	98
7087827	111	106	94	96
7087828	112	105	94	96
7087829	112	108	94	97
7087830	113	107	94	97
7087831	112	108	94	99
7087832	113	109	94	99
7087833	112	109	94	98
Blank	110	106	96	98
LCS	107	102	98	103
MS	108	107	97	104
MSD	105	96	99	102
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BTEX 25-ml purge
Batch number: I131622AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7087834	109	108	94	100
7087835	111	107	95	103
7087836	109	106	95	101
7087837	110	107	95	99
7087838	113	108	93	98
7087839	111	107	99	99
7087840	112	108	95	99
7087841	111	107	95	102
7087842	111	106	95	100
7087843	111	108	95	103
7087844	113	109	92	103
7087845	111	108	95	106
7087846	110	107	96	99
Blank	111	104	96	102
LCS	107	104	99	106
MS	107	105	95	114*
MSD	108	109	97	106
Limits:	77-114	74-113	77-110	78-110

*- 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: 1395953
Reported: 06/17/13 at 12:47 PM

Surrogate Quality Control

Analysis Name: PAHs in waters by SIM
Batch number: 13162WAB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7087816	97	81	103
7087817	97	83	102
7087818	96	90	100
7087819	95	71	102
7087820	87	85	109
7087821	91	95	108
7087822	93	92	110
7087824	95	86	99
7087825	88	79	94
7087826	91	88	95
7087827	80	72	89
7087828	88	75	94
7087829	80	75	91
7087830	93	81	96
7087831	96	82	101
7087832	94	62	99
7087833	93	80	95
7087834	94	83	98
7087835	90	81	95
Blank	92	99	99
LCS	94	100	103
MS	91	95	108
MSD	93	92	110
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13162WAL026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7087836	92	78	103
7087837	99	91	102
7087838	96	86	102
7087839	73	77	76
7087840	86	86	97
7087841	86	88	96
7087842	74	75	89
7087843	93	85	106
7087844	97	78	107
7087845	91	75	103
Blank	97	108	104
LCS	99	106	105
LCSD	97	104	107
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 # 1395953 Sample # 7087816-46
Instructions on reverse side correspond with circled numbers.

Pg. 1 of 3

SCR#:

(1) Client Information

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

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

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

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

(6) Remarks: Data Analysis 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, Na, Ca, K	Remarks
WS-003(surface)060813	6/8/13	0940	X			X		6	X	X	X	
WS-002(surface)060813	↓	1000	↓			↓		6	X	X	X	
WS-BKG-002(surface)060813	↓	1030	↓			↓		6	X	X	X	
WS-005(surface)060813	↓	1055	↓			↓		6	X	X	X	
WS-008(surface)060813	↓	1130	↓			↓		6	X	X	X	
WS-008(surface)060813 MS/MSD	↓	1130	↓			↓		12	X	X	X	MS/MSD
WS-001(surface)060813	↓	1240	↓			↓		6	X	X	X	
WS-001(0.5-1.0)060813	↓	1250	↓			↓		6	X	X	X	
WS-004(surface)060813	↓	1300	↓			↓		6	X	X	X	
WS-004(0.5-1.0)060813	↓	1310	↓			↓		6	X	X	X	
WS-007(surface)060813	↓	1330	↓			↓		6	X	X	X	
WS-007(0.5-1.0)060813	↓	1340	↓			↓		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	6/9/13	1700			
Relinquished by Commercial Carrier: UPS ___ FedEx ___ (Other) Southwest			[signature]	6/10/13	1725

Temperature Upon Receipt 0.4-1.7 °C | Custody Seals Intact? (Yes) No

ExxonMobil Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories use only
Acct. # 14739 Group # 1395953 Sample # 7087816-46
Instructions on reverse side correspond with circled numbers.

Pg 2 of 3

SCR#: ______

(1) Client Information

Facility #/SID: Mayflower Pipeline Incident
Site Address: Mayflower, AR
ExxonMobil PM: Scott Bushree
Cost Center/AFE:
Consultant/Office: ARCADIS
Consultant PM: Steve Barrick
Consultant Phone #: 919-302-6299
Sampler: J. Oliver / B. Loyran

(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 N, Cu, V, Ni)

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

(6) Remarks: Data Analysis questions Lyndi Mott ARCADIS

(2) Sample Identification

Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	Total # of Containers	VOC 8260B	PAH 8270 SIM	RCRA Metals N, Cu, V, Ni
WS-006 (surface) 060813	6/8/13	1345	X			X		6	X	X	X
WS-006 (0.5-1.0) 060813	6/8/13	1350	|			|		6	X	X	X
WS-003 (surface) 060913	6/9/13	0900	|			|		6	X	X	X
WS-002 (surface) 060913	|	0915	|			|		6	X	X	X
WS-BKG-002 (surface) 060913	|	0930	|			|		6	X	X	X
WS-005 (surface) 060913	|	0950	|			|		6	X	X	X
WS-008 (surface) 060913	|	1010	|			|		6	X	X	X
WS-001 (surface) 060913	|	1030	|			|		6	X	X	X
WS-001 (0.5-1.0) 060913	|	1040	|			|		6	X	X	X
WS-004 (surface) 060913	|	1050	|			|		6	X	X	X
WS-004 (0.5-1.0) 060913	|	1100	|			|		6	X	X	X
WS-007 (surface) 060913	⊥	1120	⊥			⊥		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	6/9/13	1700			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ___ FedEx ___ (Other) Southwest			Received by [signature]	6/10/13	1725

Temperature Upon Receipt 0.4-1.7 °C
Custody Seals Intact? (Yes) No

ExxonMobil Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories use only
Acct. # 14739 Group # 1395953 Sample # 7087816-46
Instructions on reverse side correspond with circled numbers.

Pg. 3 of 3

SCR#:

① **Client Information**

Facility #/SID: Mayflower Pipeline Incident
Site Address: Mayflower, AR
ExxonMobil PM: Scot Bushroe
Cost Center/AFE:
Consultant/Office: ARCADIS US
Consultant PM: Steve Barrick
Consultant Phone #: 919-302-6779
Sampler: J. Olver / B Lavgren

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

⑤ **Analyses Requested** / Preservation Code

② Sample Identification	Collected Date	Collected Time	③ Grab	Composite	Soil	Water	Oil	Total # of Containers	VOC 8260B (H)	PAH 8270 SIM	RCRA Metals + Ni, V (N)
WS-007 (0.5-1.0) 060913	6/9/13	1130	X			X		6	X	X	X
WS-006 (surface) 060913	|	1140	|			|		6	X	X	X
WS-006 (0.5-1.0) 060913	|	1150	|			|		6	X	X	X
DUP-WS-38-060913	|	—	|			|		6	X	X	X
WS-TB-68-060913	|	—	|			|		2	X		

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

⑥ **Remarks**
Data Analysis Questions
Lynd. Mott
ARCADIS

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	6/9/13	1200			
Relinquished by			Received by		
Relinquished by			Received by		
Relinquished by Commercial Carrier: UPS ___ FedEx ___ (Other) Southwest			[signature]	6/10/13	1725

Temperature Upon Receipt C 4-1.7 °C   Custody Seals Intact? (Yes) No

Rachel L. Kreamer A# 14734 Gr# 1345953 Sample# 708786 YL

From: Mott, Lyndi [Lyndi.Mott@arcadis-us.com]
Sent: Tuesday, June 11, 2013 11:12 AM
To: Rachel L. Kreamer
Cc: Kathy Klinefelter
Subject: RE: Samples received at the lab on 6/10/13

Rachel,

Yes, please login the EA-002 samples as EA-002A.

The sample time for the 1 amber for sample WS-007(0.5-1.0) should 1340 as noted on the coc.

Thank you,
Lyndi Mott

-----Original Message-----
From: Rachel L. Kreamer [mailto:RKreamer@lancasterlabs.com]
Sent: Tuesday, June 11, 2013 9:15 AM
To: Mott, Lyndi
Cc: Kathy Klinefelter
Subject: Samples received at the lab on 6/10/13

Good morning Lyndi.

I attached the doc logs and chains from samples received last evening.

For the soils, should EA-002 be noted as EA-002A on the reports?

Please see the two notes about the waters samples. The bottle for WS-004(0.5-1.0) would have been determined by process of elimination, as it was the only one with no label. We are guessing the incorrect time on the amber WS-007(0.5-1.0) bottle was a typo.

Thanks,
Rachel

-----Original Message-----
From: 39Scanner@lancasterlabs.com [mailto:39Scanner@lancasterlabs.com]
Sent: Tuesday, June 11, 2013 10:03 AM
To: Rachel L. Kreamer
Subject:

This E-mail was sent from "RNP367EC2" (MP 4001/LD140).

Scan Date: 06.11.2013 10:03:28 (-0400)
Queries to: 39Scanner@lancasterlabs.com

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Environmental Sample Administration Receipt Documentation Log

1395953

Client/Project: Exxonmobil

Date of Receipt: 6/10/13

Time of Receipt: 1725

Source Code: 01

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	1.2	TB	WI	Y	B	
2	↓	0.9	↓	↓	↓	↓	
3		0.5					
4		1.7					
5		0.9					
6		0.4					

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

Paperwork Discrepancy/Unpacking Problems:

Soil samples: EA-002 samples labeled EA-002A Gr. 1395952

Metals bottle for WS-004(0.5-1.0) received unlabeled Gr. 1395953

Lamber of WS-007(0.5-1.0) time=1350 Gr. 1395953

Unpacker Signature/Emp#: 238 **Date/Time:** 6/10/13 1844

Issued by Dept. 6042 Management

2174.06

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Environmental Sample Administration Receipt Documentation Log

1395953

Client/Project: ExxonMobil

Date of Receipt: 6/10/13

Time of Receipt: 1725

Source Code: 01

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	0.4	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 2308 **Date/Time:** 6/10/13 1844

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

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

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

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

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