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 04, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 05/26/2013
Group Number: 1392695
SDG: PEH81
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LLI) #
WS-003(Surface)052513 Grab Surface Water	7071666
WS-002(Surface)052513 Grab Surface Water	7071667
WS-BKG-002(Surface)052513 Grab Surface Water	7071668
WS-005(Surface)052513 Grab Surface Water	7071669
WS-008(Surface)052513 Grab Surface Water	7071670
WS-008(Surface)052513 MS Grab Surface Water	7071671
WS-008(Surface)052513 MSD Grab Surface Water	7071672
WS-008(Surface)052513 DUP Grab Surface Water	7071673
WS-001(Surface)052513 Grab Surface Water	7071674
WS-001(0.5-1.0)052513 Grab Surface Water	7071675
WS-004(Surface)052513 Grab Surface Water	7071676
WS-004(0.5-1.0)052513 Grab Surface Water	7071677
WS-007(Surface)052513 Grab Surface Water	7071678
WS-007(0.5-1.0)052513 Grab Surface Water	7071679
WS-006(Surface)052513 Grab Surface Water	7071680
WS-006(0.5-1.0)052513 Grab Surface Water	7071681
WS-TB-53-052513 Water	7071682

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 #: 1392695

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 #: G131491AA (Sample number(s): 7071666-7071672, 7071674-7071682 UNSPK: 7071670)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Allyl Chloride

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Allyl Chloride, 4-Chlorotoluene, 2-Chlorotoluene, p-Isopropyltoluene, 1,3-Dichlorobenzene

SW-846 8270C SIM, GC/MS Semivolatiles

Batch #: 13148WAG026 (Sample number(s): 7071666-7071672, 7071674-7071681 UNSPK: 7071670)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Benzo(a)anthracene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Pyrene, Benzo(a)anthracene, Naphthalene

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7071677, 7071678

Sample #s: 7071679, 7071681

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be
biased slightly high. The client was contacted and the data was reported.

Sample #s: 7071677, 7071678

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be
biased slightly high. The client was contacted and the data was reported.
The recovery for the sample surrogate(s) is outside the QC
acceptance limits as noted on the QC Summary. The client was
contacted and the data reported.

SW-846 6010B, Metals

Batch #: 131471848001 (Sample number(s): 7071666-7071681 UNSPK: 7071670 BKG: 7071670)

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

Sample Description: WS-003(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071666
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 07:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2503 SDG#: PEH81-01

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071666
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 07:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2503 SDG#: PEH81-01

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	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	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	0.0178	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.54	0.0640	0.200	1

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

Sample Description: WS-003(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071666
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 07:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2503 SDG#: PEH81-01

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	1.71	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0013 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	G131491AA	05/29/2013 15:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 15:12	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 17:12	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 17:54	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:22	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071667
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2502 SDG#: PEH81-02

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071667
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2502 SDG#: PEH81-02

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	16.8	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	0.0182	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	3.74	0.0640	0.200	1

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

Sample Description: WS-002(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071667
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2502 SDG#: PEH81-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0011	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.81	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	G131491AA	05/29/2013 15:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 15:34	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 17:39	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 17:58	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:24	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-BKG-002(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071668
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:20 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M25B2 SDG#: PEH81-03

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071668
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:20 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M25B2 SDG#: PEH81-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	N.D.	0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	27.4	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	0.0424	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	6.38	0.0640	0.200	1

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

Sample Description: WS-BKG-002(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071668
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:20 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M25B2 SDG#: PEH81-03

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	0.0026 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0091 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.78	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	0.0047 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	G131491AA	05/29/2013 15:56	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 15:56	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 18:06	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:10	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:26	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071669
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2505 SDG#: PEH81-04

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071669
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2505 SDG#: PEH81-04

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	18.9	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	0.0237	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.37	0.0640	0.200	1

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

Sample Description: WS-005(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071669
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 08:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2505 SDG#: PEH81-04

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	0.0012 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0059 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	1.94	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	0.0017 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	G131491AA	05/29/2013 16:18	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 16:18	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 18:33	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:14	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:28	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071670
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05BKG

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

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

Sample Description: WS-008(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071670
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05BKG

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	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.051	1
08357	Anthracene	120-12-7	N.D.		0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.010	0.051	1
08357	Chrysene	218-01-9	N.D.		0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.		0.010	0.051	1
08357	Fluorene	86-73-7	N.D.		0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.051	1
08357	Pyrene	129-00-0	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	74.3		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	0.0648		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	17.8		0.0640	0.200	1

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

Sample Description: WS-008(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071670
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05BKG

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	0.0021 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0076 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	7.27	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0082 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	G131491AA	05/29/2013 13:44	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 13:44	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 14:56	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 17:30	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:30	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)052513 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071671
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05MS

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	50	3.0	5.0	1
02898	Allyl Chloride	107-05-1	7.9	0.1	0.5	1
02898	Benzene	71-43-2	5.9	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.9	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.8	0.1	0.5	1
02898	Bromoform	75-25-2	6.0	0.1	0.5	1
02898	Bromomethane	74-83-9	5.7	0.1	0.5	1
02898	2-Butanone	78-93-3	48	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	6.5	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	6.4	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	6.2	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	6.7	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.8	0.1	0.5	1
02898	Chloroethane	75-00-3	5.9	0.1	0.5	1
02898	Chloroform	67-66-3	6.0	0.1	0.5	1
02898	Chloromethane	74-87-3	5.8	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	6.2	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	6.3	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.4	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.9	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.2	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.3	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.8	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	6.0	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.8	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	5.7	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	6.1	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.7	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	6.4	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.9	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	6.2	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	6.5	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	6.1	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	5.5	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	6.1	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	6.3	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.8	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	5.4	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.9	0.1	0.5	1
02898	Freon 113	76-13-1	6.1	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	5.9	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.8	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	6.2	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	5.5	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	28	1.0	5.0	1
02898	Methylene Chloride	75-09-2	6.0	0.2	0.5	1

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

Sample Description: WS-008(Surface)052513 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071671
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05MS

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	6.5	0.1	0.5	1
02898	Styrene	100-42-5	5.8	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.9	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.8	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.7	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	30	2.0	5.0	1
02898	Toluene	108-88-3	6.1	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	5.4	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	5.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	6.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.5	0.1	0.5	1
02898	Trichloroethene	79-01-6	6.1	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.9	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.7	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	6.2	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	6.4	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	6.0	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	18	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	1.1	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.2	0.010	0.051	1
08357	Anthracene	120-12-7	1.2	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	1.4	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	1.1	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	1.3	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	1.3	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	1.1	0.010	0.051	1
08357	Chrysene	218-01-9	1.2	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	1.2	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.2	0.010	0.051	1
08357	Fluorene	86-73-7	1.2	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	1.3	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.2	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.2	0.010	0.051	1
08357	Naphthalene	91-20-3	1.4	0.031	0.051	1
08357	Phenanthrene	85-01-8	1.2	0.031	0.051	1
08357	Pyrene	129-00-0	1.4	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	93.5	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.154	0.0068	0.0200	1
07046	Barium	7440-39-3	2.07	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0495	0.00036	0.0050	1
01750	Calcium	7440-70-2	22.1	0.0640	0.200	1

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

Sample Description: WS-008(Surface)052513 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071671
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05MS

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	0.157	0.0051	0.0150	1
01757	Magnesium	7439-95-4	9.29	0.0606	0.100	1
07061	Nickel	7440-02-0	0.519	0.0011	0.0100	1
07036	Selenium	7782-49-2	0.149	0.0075	0.0200	1
07066	Silver	7440-22-4	0.0518	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.526	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	G131491AA	05/29/2013 14:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 14:06	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 15:23	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 17:42	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:34	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)052513 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071672
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05MSD

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	41	3.0	5.0	1
02898	Allyl Chloride	107-05-1	7.5	0.1	0.5	1
02898	Benzene	71-43-2	5.6	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.6	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.5	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.5	0.1	0.5	1
02898	Bromoform	75-25-2	5.8	0.1	0.5	1
02898	Bromomethane	74-83-9	5.5	0.1	0.5	1
02898	2-Butanone	78-93-3	43	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	6.1	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	6.1	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	6.0	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	6.5	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	5.6	0.1	0.5	1
02898	Chloroform	67-66-3	5.7	0.1	0.5	1
02898	Chloromethane	74-87-3	5.6	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.9	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	6.0	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.8	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.6	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.0	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.1	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.5	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.7	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.5	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	5.5	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	6.0	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.5	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	6.1	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.6	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.9	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	6.2	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.8	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	5.3	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.9	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	5.6	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.2	0.1	0.5	1
02898	Ethyl ether	60-29-7	5.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.7	0.1	0.5	1
02898	Freon 113	76-13-1	5.8	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	5.6	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.5	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.9	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	5.3	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	26	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.7	0.2	0.5	1

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

Sample Description: WS-008(Surface)052513 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071672
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05MSD

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	6.2	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	5.7	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.2	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	27	2.0	5.0	1
02898	Toluene	108-88-3	5.7	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	5.1	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	5.3	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.9	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.2	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.8	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.6	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.4	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.9	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	6.0	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	5.8	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	1.1	0.010	0.052	1
08357	Acenaphthylene	208-96-8	1.2	0.010	0.052	1
08357	Anthracene	120-12-7	1.2	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	1.4	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	1.1	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	1.2	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	1.2	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	1.1	0.010	0.052	1
08357	Chrysene	218-01-9	1.2	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	1.2	0.010	0.052	1
08357	Fluoranthene	206-44-0	1.2	0.010	0.052	1
08357	Fluorene	86-73-7	1.2	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	1.2	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	1.2	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	1.2	0.010	0.052	1
08357	Naphthalene	91-20-3	1.3	0.031	0.052	1
08357	Phenanthrene	85-01-8	1.2	0.031	0.052	1
08357	Pyrene	129-00-0	1.5	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	93.1	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.158	0.0068	0.0200	1
07046	Barium	7440-39-3	2.10	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0501	0.00036	0.0050	1
01750	Calcium	7440-70-2	22.1	0.0640	0.200	1

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

Sample Description: WS-008(Surface)052513 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071672
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05MSD

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	0.204	0.0011	0.0150	1
07055	Lead	7439-92-1	0.159	0.0051	0.0150	1
01757	Magnesium	7439-95-4	9.24	0.0606	0.100	1
07061	Nickel	7440-02-0	0.519	0.0011	0.0100	1
07036	Selenium	7782-49-2	0.150	0.0075	0.0200	1
07066	Silver	7440-22-4	0.0514	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.523	0.0013	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00093	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	G131491AA	05/29/2013 14:28	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 14:28	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 15:51	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 17:46	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-008(Surface)052513 DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071673
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2508 SDG#: PEH81-05DUP

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	76.4	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	0.0673	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	18.3	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0019 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0091 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	7.46	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0090 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
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 17:38	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:32	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071674
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:30 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2501 SDG#: PEH81-06

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071674
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:30 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2501 SDG#: PEH81-06

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	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	0.013	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	0.028	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	0.011	J	0.010	0.051	1
08357	Naphthalene	91-20-3	0.051	J	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.051	1
08357	Pyrene	129-00-0	0.019	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	19.1		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	0.0474		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00036	0.0050	1
01750	Calcium	7440-70-2	4.09		0.0640	0.200	1

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

Sample Description: WS-001(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071674
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:30 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2501 SDG#: PEH81-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0044 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0124 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.15	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0037 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	0.0060	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	G131491AA	05/29/2013 16:40	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 16:40	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 19:01	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:18	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:42	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071675
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2510 SDG#: PEH81-07

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071675
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2510 SDG#: PEH81-07

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	0.044 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	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	0.0463	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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071675
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2510 SDG#: PEH81-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0050 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0119 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.25	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0040 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0074	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	G131491AA	05/29/2013 17:02	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 17:02	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 19:28	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:22	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:44	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071676
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:50 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2504 SDG#: PEH81-08

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071676
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:50 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2504 SDG#: PEH81-08

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	0.5 J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	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	0.017 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.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	0.017 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	40.9	0.064	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0114 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.301	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	6.89	0.0640	0.200	1

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

Sample Description: WS-004(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071676
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 09:50 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2504 SDG#: PEH81-08

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	0.0399	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0840	0.0051	0.0150	1
01757	Magnesium	7439-95-4	5.76	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0292	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	0.0587	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	G131491AA	05/29/2013 17:24	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 17:24	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 19:55	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:26	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:46	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071677
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2540 SDG#: PEH81-09

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	4.1	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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071677
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2540 SDG#: PEH81-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.8		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	0.018	J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.012	J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.010	0.052	1
08357	Chrysene	218-01-9	0.020	J	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.052	1
08357	Fluoranthene	206-44-0	0.012	J	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.		0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.013	J	0.010	0.052	1
08357	Naphthalene	91-20-3	0.065		0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.052	1
08357	Pyrene	129-00-0	0.019	J	0.010	0.052	1

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be biased slightly high. The client was contacted and the data was reported.

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

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	47.1		0.064	0.20	1

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

Sample Description: WS-004(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071677
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:00 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2540 SDG#: PEH81-09

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**	
07035	Arsenic	7440-38-2	0.0169 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.350	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	7.92	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0498	0.0011	0.0150	1
07055	Lead	7439-92-1	0.122	0.0051	0.0150	1
01757	Magnesium	7439-95-4	6.63	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0370	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	0.0714	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	G131491AA	05/29/2013 17:45	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 17:45	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 20:22	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:30	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:48	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071678
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:10 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2507 SDG#: PEH81-10

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	5.6	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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071678
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:10 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2507 SDG#: PEH81-10

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	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	0.060	0.010	0.052	1
08357	Acenaphthylene	208-96-8	0.054	0.010	0.052	1
08357	Anthracene	120-12-7	0.11	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	0.25	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.11	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.51	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.10	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.16	0.010	0.052	1
08357	Chrysene	218-01-9	0.86	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.020 J	0.010	0.052	1
08357	Fluoranthene	206-44-0	2.7	0.010	0.052	1
08357	Fluorene	86-73-7	0.068	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.14	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.025 J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.040 J	0.010	0.052	1
08357	Naphthalene	91-20-3	0.25	0.031	0.052	1
08357	Phenanthrene	85-01-8	1.8	0.031	0.052	1
08357	Pyrene	129-00-0	2.1	0.010	0.052	1

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be biased slightly high. The client was contacted and the data was reported.

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

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	42.4	0.064	0.20	1

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

Sample Description: WS-007(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071678
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:10 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2507 SDG#: PEH81-10

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**	
07035	Arsenic	7440-38-2	0.0185 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.353	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	6.94	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0425	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0839	0.0051	0.0150	1
01757	Magnesium	7439-95-4	6.09	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0316	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	0.0612	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	G131491AA	05/29/2013 18:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 18:07	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 20:49	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:34	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:50	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071679
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:20 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2570 SDG#: PEH81-11

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	3.1	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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071679
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:20 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2570 SDG#: PEH81-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.029	J	0.010	0.052	1
08357	Acenaphthylene	208-96-8	0.056		0.010	0.052	1
08357	Anthracene	120-12-7	0.12		0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	0.31		0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.21		0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.75		0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.21		0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.22		0.010	0.052	1
08357	Chrysene	218-01-9	0.66		0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.050	J	0.010	0.052	1
08357	Fluoranthene	206-44-0	1.2		0.010	0.052	1
08357	Fluorene	86-73-7	0.021	J	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.28		0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.012	J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.017	J	0.010	0.052	1
08357	Naphthalene	91-20-3	0.041	J	0.031	0.052	1
08357	Phenanthrene	85-01-8	0.43		0.031	0.052	1
08357	Pyrene	129-00-0	1.2		0.010	0.052	1

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be biased slightly high. The client was contacted and the data was reported.

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	40.4		0.064	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0127	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.293		0.00033	0.0050	1

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

Sample Description: WS-007(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071679
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:20 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2570 SDG#: PEH81-11

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**	
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	6.45	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0413	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0855	0.0051	0.0150	1
01757	Magnesium	7439-95-4	5.91	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0299	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	0.0603	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	G131491AA	05/29/2013 18:29	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 18:29	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 21:16	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:38	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:52	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071680
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:30 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2506 SDG#: PEH81-12

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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071680
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:30 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2506 SDG#: PEH81-12

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	0.023	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	0.018	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	0.030	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	0.056		0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.051	1
08357	Pyrene	129-00-0	0.037	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	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	0.0478		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-006(Surface)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071680
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:30 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2506 SDG#: PEH81-12

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	0.0050 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0130 J	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.31	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0043 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0075	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	G131491AA	05/29/2013 18:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 18:51	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 21:43	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:42	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:54	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071681
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2560 SDG#: PEH81-13

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	3.0	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	0.3	J	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)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071681
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2560 SDG#: PEH81-13

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	0.1	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.051	1
08357	Anthracene	120-12-7	0.014	J	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.085		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	0.095		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.026	J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.031	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.081		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	0.19		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	0.033	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	0.087		0.030	0.051	1
08357	Phenanthrene	85-01-8	0.052		0.030	0.051	1
08357	Pyrene	129-00-0	0.27		0.010	0.051	1

The percent recoveries for several compounds in the LCS/LCSD associated with this sample were outside QC specification high. Any detected compounds would be biased slightly high. The client was contacted and the data was reported.

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	21.3		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	0.0670		0.00033	0.0050	1

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

Sample Description: WS-006(0.5-1.0)052513 Grab Surface Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071681
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013 10:40 by JW

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M2560 SDG#: PEH81-13

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**	
07049	Cadmium	7440-43-9	N.D.	0.00036	0.0050	1
01750	Calcium	7440-70-2	4.39	0.0640	0.200	1
07051	Chromium	7440-47-3	0.0097 J	0.0011	0.0150	1
07055	Lead	7439-92-1	0.0185	0.0051	0.0150	1
01757	Magnesium	7439-95-4	2.51	0.0606	0.100	1
07061	Nickel	7440-02-0	0.0074 J	0.0011	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0075	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0012	0.0050	1
07071	Vanadium	7440-62-2	0.0108	0.0013	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000070	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	G131491AA	05/29/2013 19:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 19:13	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13148WAG026	06/03/2013 22:10	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13148WAG026	05/28/2013 23:35	David V Hershey Jr	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131486256002	05/28/2013 21:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07046	Barium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
01750	Calcium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07051	Chromium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07055	Lead	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07061	Nickel	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07036	Selenium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07066	Silver	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131471848001	05/28/2013 18:46	John P Hook	1
00259	Mercury	SW-846 7470A	1	131475713005	05/29/2013 07:56	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131471848001	05/28/2013 10:00	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131475713005	05/28/2013 16:30	Nelli S Markaryan	1

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

Sample Description: WS-TB-53-052513 Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071682
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M25TB SDG#: PEH81-14TB*

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

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

Sample Description: WS-TB-53-052513 Water
Mayflower, AR
Pipeline Incident

LLI Sample # WW 7071682
LLI Group # 1392695
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 05/25/2013

Submitted: 05/26/2013 09:30
Reported: 06/04/2013 13:23

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

M25TB SDG#: PEH81-14TB*

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

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	G131491AA	05/29/2013 11:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131491AA	05/29/2013 11:32	Jason M Long	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1392695
Reported: 06/04/13 at 01:23 PM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: G131491AA	Sample number(s): 7071666-7071672,7071674-7071682								
Acetone	N.D.	3.0	5.0	ug/l	100		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	137*		61-130		
Benzene	N.D.	0.1	0.5	ug/l	103		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	106		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	104		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	106		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	109		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	101		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	118		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	110		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	109		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	107		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	113		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	103		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	105		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	109		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	108		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	109		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	110		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	99		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	109		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	97		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	101		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	105		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	107		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	112		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	106		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	109		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	108		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	116		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	111		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	103		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	106		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	107		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	100		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	102		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	102		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: 1392695
Reported: 06/04/13 at 01:23 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	101		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	106		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	105		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	102		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	109		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	113		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	106		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	109		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	97		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	111		65-131		
Toluene	N.D.	0.1	0.5	ug/l	104		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	96		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	98		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	99		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	101		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	109		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	110		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	106		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	103		80-120		
Batch number: 13148WAG026	Sample number(s): 7071666-7071672,7071674-7071681								
Acenaphthene	N.D.	0.010	0.050	ug/l	105		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	111		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	111		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	117*		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	111		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	119		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	125*		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	122*		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	112		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	122		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	112		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	106		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	125*		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	112		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	111		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	107		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	106		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	115		71-116		
Batch number: 131471848001	Sample number(s): 7071666-7071681								
Arsenic	N.D.	0.0068	0.0200	mg/l	102		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	102		90-110		
Cadmium	N.D.	0.00036	0.0050	mg/l	99		90-112		
Calcium	0.126 J	0.0640	0.200	mg/l	101		90-110		
Chromium	N.D.	0.0011	0.0150	mg/l	101		90-110		
Lead	N.D.	0.0051	0.0150	mg/l	104		88-110		
Magnesium	N.D.	0.0606	0.100	mg/l	100		90-110		
Nickel	N.D.	0.0011	0.0100	mg/l	104		90-111		
Selenium	N.D.	0.0075	0.0200	mg/l	97		80-120		
Silver	N.D.	0.0012	0.0050	mg/l	103		80-120		
Vanadium	N.D.	0.0013	0.0050	mg/l	104		90-110		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1392695
Reported: 06/04/13 at 01:23 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 131475713005	Sample number(s): 7071666-7071681								
Mercury	N.D.	0.00007 0	0.00020	mg/l	95		80-120		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: G131491AA	Sample number(s): 7071666-7071672,7071674-7071682 UNSPK: 7071670								
Acetone	132	109	57-163	20	30				
Allyl Chloride	157*	151*	67-139	4	30				
Benzene	114	109	87-126	5	30				
Bromobenzene	118	113	80-123	5	30				
Bromochloromethane	116	109	82-125	6	30				
Bromodichloromethane	116	111	82-133	5	30				
Bromoform	119	116	60-138	3	30				
Bromomethane	114	109	41-145	4	30				
2-Butanone	129	114	63-146	12	30				
n-Butylbenzene	129	122	83-131	6	30				
sec-Butylbenzene	127	122	84-128	4	30				
tert-Butylbenzene	124	119	84-135	4	30				
Carbon Tetrachloride	133	129	81-148	3	30				
Chlorobenzene	116	110	78-133	6	30				
Chloroethane	118	113	70-139	4	30				
Chloroform	120	114	86-136	5	30				
Chloromethane	116	113	55-152	3	30				
2-Chlorotoluene	124*	117	81-120	5	30				
4-Chlorotoluene	125*	120*	82-119	4	30				
1,2-Dibromo-3-chloropropane	109	96	43-143	13	30				
Dibromochloromethane	119	112	79-125	5	30				
1,2-Dibromoethane	104	100	84-127	4	30				
Dibromomethane	106	103	83-126	3	30				
1,2-Dichlorobenzene	115	109	83-117	5	30				
1,3-Dichlorobenzene	121*	113	81-118	6	30				
1,4-Dichlorobenzene	117	111	79-120	5	30				
Dichlorodifluoromethane	115	111	28-136	4	30				
1,1-Dichloroethane	123	120	88-136	3	30				
1,2-Dichloroethane	114	110	82-135	3	30				
1,1-Dichloroethene	127	121	83-150	4	30				
cis-1,2-Dichloroethene	118	111	82-129	6	30				
trans-1,2-Dichloroethene	124	118	88-127	5	30				
Dichlorofluoromethane	130	125	59-176	5	30				
1,2-Dichloropropane	122	116	91-126	5	30				
1,3-Dichloropropane	111	106	80-127	4	30				
2,2-Dichloropropane	122	118	80-134	3	30				
1,1-Dichloropropene	126	121	86-139	4	30				
cis-1,3-Dichloropropene	116	112	74-132	4	30				
trans-1,3-Dichloropropene	107	104	71-128	3	30				
Ethyl ether	107	104	67-127	3	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1392695
Reported: 06/04/13 at 01:23 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethylbenzene	118	113	80-140	4	30				
Freon 113	122	115	87-158	5	30				
Hexachlorobutadiene	118	113	65-128	4	30				
Isopropylbenzene	117	111	81-133	6	30				
p-Isopropyltoluene	125*	118	84-124	5	30				
Methyl Tertiary Butyl Ether	110	106	82-132	4	30				
4-Methyl-2-Pentanone	111	103	69-149	7	30				
Methylene Chloride	121	114	84-122	6	30				
n-Propylbenzene	131	124	79-131	5	30				
Styrene	116	109	63-151	6	30				
1,1,1,2-Tetrachloroethane	118	111	87-126	6	30				
1,1,2,2-Tetrachloroethane	117	114	75-131	3	30				
Tetrachloroethene	113	105	75-129	8	30				
Tetrahydrofuran	120	106	56-154	12	30				
Toluene	118	111	83-127	6	30				
1,2,3-Trichlorobenzene	108	102	73-125	6	30				
1,2,4-Trichlorobenzene	111	106	77-120	4	30				
1,1,1-Trichloroethane	124	118	85-140	5	30				
1,1,2-Trichloroethane	111	104	85-129	6	30				
Trichloroethene	122	116	85-131	5	30				
Trichlorofluoromethane	118	113	67-161	4	30				
1,2,3-Trichloropropane	114	109	76-120	5	30				
1,2,4-Trimethylbenzene	124	119	87-126	5	30				
1,3,5-Trimethylbenzene	127	120	89-129	6	30				
Vinyl Chloride	121	117	65-151	4	30				
Xylene (Total)	117	111	81-137	5	30				
Batch number: 13148WAG026	Sample number(s): 7071666-7071672,7071674-7071681 UNSPK: 7071670								
Acenaphthene	110	110	59-127	1	30				
Acenaphthylene	115	115	33-146	1	30				
Anthracene	115	115	69-119	1	30				
Benzo(a)anthracene	135*	136*	67-124	1	30				
Benzo(a)pyrene	105	101	64-123	3	30				
Benzo(b)fluoranthene	126	119	61-133	5	30				
Benzo(g,h,i)perylene	127	119	36-138	6	30				
Benzo(k)fluoranthene	110	102	59-128	7	30				
Chrysene	113	113	62-118	1	30				
Dibenz(a,h)anthracene	121	112	32-141	7	30				
Fluoranthene	114	115	65-123	2	30				
Fluorene	113	113	69-124	1	30				
Indeno(1,2,3-cd)pyrene	125	117	29-143	7	30				
1-Methylnaphthalene	117	117	67-117	1	30				
2-Methylnaphthalene	117	117	71-126	1	30				
Naphthalene	132*	128	58-131	3	30				
Phenanthrene	115	117	67-117	2	30				
Pyrene	139*	140*	59-125	2	30				
Batch number: 131471848001	Sample number(s): 7071666-7071681 UNSPK: 7071670 BKG: 7071670								
Arsenic	103	105	81-123	2	20	N.D.	N.D.	0 (1)	20
Barium	100	102	78-118	1	20	0.0648	0.0673	4	20
Cadmium	99	100	83-116	1	20	N.D.	N.D.	0 (1)	20
Calcium	109 (2)	108 (2)	81-118	0	20	17.8	18.3	3	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: 1392695
Reported: 06/04/13 at 01:23 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chromium	100	101	81-120	0	20	0.0021 J	0.0019 J	14 (1)	20
Lead	100	101	75-125	1	20	0.0076 J	0.0091 J	18 (1)	20
Magnesium	101	99	75-125	1	20	7.27	7.46	3	20
Nickel	102	102	86-115	0	20	0.0082 J	0.0090 J	9 (1)	20
Selenium	99	100	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	104	103	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	105	104	90-111	0	20	0.0014 J	0.0018 J	23* (1)	20
Batch number: 131475713005	Sample number(s): 7071666-7071681 UNSPK: 7071670 BKG: 7071670								
Mercury	95	93	80-120	2	20	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

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

Analysis Name: NHDES VOCs 25ml purge
Batch number: G131491AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7071666	101	96	99	96
7071667	101	96	100	96
7071668	100	96	100	96
7071669	101	97	99	97
7071670	99	97	99	97
7071671	100	95	100	98
7071672	100	95	100	98
7071674	100	96	100	97
7071675	100	93	98	96
7071676	101	96	99	96
7071677	101	98	99	96
7071678	101	96	98	96
7071679	101	95	100	96
7071680	100	99	99	96
7071681	101	96	100	97
7071682	100	99	98	98
Blank	99	96	99	96
LCS	100	95	100	98
MS	100	95	100	98
MSD	100	95	100	98
Limits:	77-114	74-113	77-110	78-110

Analysis Name: PAHs in waters by SIM
Batch number: 13148WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7071666	107	105	110

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ExxonMobil Group Number: 1392695
Reported: 06/04/13 at 01:23 PM

Surrogate Quality Control

7071667	109	108	111
7071668	108	116	109
7071669	108	110	110
7071670	105	117	110
7071671	110	123	115
7071672	109	116	114
7071674	110	95	108
7071675	106	103	105
7071676	74	66	86
7071677	60*	60*	86
7071678	60*	69	89
7071679	72	79	97
7071680	99	93	99
7071681	96	97	112
Blank	108	122	108
LCS	109	126	113
MS	110	123	115
MSD	109	116	114
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 # 1392645 Sample # 7071666-82
Instructions on reverse side correspond with circled numbers.

pg 1 of 2

SCR#:

1 Client Information

Facility #/SID: Mayflower Pipeline Incident
Site Address: Mayflower, AR
ExxonMobil PM: Scott Bushroe
Cost Center/AFE:
Consultant/Office: Arcadis US
Consultant PM: Steve Barrick
Consultant Phone #: 919-302-6799
Sampler: J. Waldron / H. van Aller 720 635 0173

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

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

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 + Ni, V, Mg, Ca Hardness	Remarks
WS-003(surface)052513	5/25/13	0740	X			X		6	X	X	X	
WS-002(surface)052513	↓	0800	↓			↓		6	X	X	X	
WS-BKG-002(surface)052513	↓	0820	↓			↓		6	X	X	X	
WS-005(surface)052513	↓	0840	↓			↓		6	X	X	X	
WS-008(surface)052513	↓	0900	↓			↓		6	X	X	X	
WS-008(surface)052513 MS/MSD	↓	0900	↓			↓		12	X	X	X	MS/MSD
WS-001(surface)052513	↓	0930	↓			↓		6	X	X	X	
WS-001(0.5-1.0)052513	↓	0940	↓			↓		6	X	X	X	
WS-004(surface)052513	↓	0950	↓			↓		6	X	X	X	
WS-004(0.5-1.0)052513	↓	1000	↓			↓		6	X	X	X	
WS-007(surface)052513	↓	1010	↓			↓		6	X	X	X	
WS-007(0.5-1.0)052513	↓	1020	↓			↓		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
HVan Aller (signature)	5/25/13	1500			

Relinquished by Commercial Carrier: UPS ____ FedEx ____ (Other) Southwest
Received by: (signature) Date: 5-26-13 Time: 0930

Temperature Upon Receipt 0.4-2.3 °C
Custody Seals Intact? (Yes) No

ExxonMobil Analysis Request/Chain of Custody

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Acct. # 14739 For Eurofins Lancaster Laboratories use only Group # 1392695 Sample # 7071666-82
Instructions on reverse side correspond with circled numbers.

pg 2 of 2

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 Barrick
Consultant Phone #: 919-302-6799
Sampler: J. Waldron / H. VanAller 720 6350173

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	4 Matrix: Soil	Water	Total # of Containers	5 Analyses Requested: VOC 8260B (H)	PAH 8270 SIM (H)	RCRA metals + Ni, V, Mg, Ca hardness (N)
WS-006(surface)052513	5/25/13	1030	X			X	6	X	X	X
WS-006(0.5-1.0)052513	5/25/13	1040	X			X	6	X	X	X
WS-TB-53-052513	5/25/13	←	X			X	2	X		

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

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

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

EDD (circle if required)

Locus EIM (default)
Other _____

Relinquished by	Date	Time	Received by	Date	Time
H VanAller	5/25/13	1500			9
Relinquished by Commercial Carrier: UPS ____ FedEx ____ (Other) Southwest			Received by: Lyndi Mott	5-26-13	0930

Temperature Upon Receipt 0.4-2.3 °C

Custody Seals Intact? (Yes) No

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Grp # 1392695

Environmental Sample Administration Receipt Documentation Log

Client/Project: ExxonMobil

Date of Receipt: 5-26-13

Time of Receipt: 0930

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	DT131	2.3°	TB	WI	Y	B	
2	↓	0.4°	↓	↓	↓	↓	
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Kristi 2123 **Date/Time:** 5-26-13 0955

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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

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