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

July 09, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 07/01/2013
Group Number: 1401017
SDG: PEI67
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-003(Surface)062913 Grab Surface Water	7113716
WS-002(Surface)062913 Grab Surface Water	7113717
WS-005(Surface)062913 Grab Surface Water	7113718
WS-001(Surface)062913 Grab Surface Water	7113719
WS-001(0.5-1.0)062913 Grab Surface Water	7113720
WS-004(Surface)062913 Grab Surface Water	7113721
WS-004(0.5-1.0)062913 Grab Surface Water	7113722
WS-007(Surface)062913 Grab Surface Water	7113723
WS-007(0.5-1.0)062913 Grab Surface Water	7113724
WS-006(Surface)062913 Grab Surface Water	7113725
WS-006(0.5-1.0)062913 Grab Surface Water	7113726
DUP-WS-48-062913 Grab Surface Water	7113727
WS-TB-86-063013 Water	7113728
WS-003(Surface)063013 Grab Surface Water	7113729
WS-002(Surface)063013 Grab Surface Water	7113730
WS-005(Surface)063013 Grab Surface Water	7113731
WS-001(Surface)063013 Grab Surface Water	7113732
WS-001(0.5-1.0)063013 Grab Surface Water	7113733
WS-004(Surface)063013 Grab Surface Water	7113734
WS-004(0.5-1.0)063013 Grab Surface Water	7113735
WS-007(Surface)063013 Grab Surface Water	7113736
WS-007(Surface)063013 MS Grab Surface Water	7113737
WS-007(Surface)063013 MSD Grab Surface Water	7113738
WS-007(Surface)063013 DUP Grab Surface Water	7113739
WS-007(0.5-1.0)063013 Grab Surface Water	7113740
WS-006(Surface)063013 Grab Surface Water	7113741
WS-006(0.5-1.0)063013 Grab Surface Water	7113742

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 #: 1401017

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 #: G131832AA (Sample number(s): 7113716-7113719 UNSPK: 7113716)

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

SW-846 8270C SIM, GC/MS Semivolatiles

Batch #: 13183WAF026 (Sample number(s): 7113716-7113721, 7113723, 7113725-7113727, 7113729-7113732)

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7113716, 7113717, 7113718, 7113719, 7113720, 7113725, 7113726, 7113729, 7113730, 7113731, 7113732

Batch #: 13183WAG026 (Sample number(s): 7113734, 7113736-7113738, 7113740-7113742 UNSPK: 7113736)

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

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Fluoranthene, Pyrene, Benzo(b)fluoranthene

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7113734, 7113741, 7113742

Batch #: 13186WAC026 (Sample number(s): 7113722, 7113724 UNSPK: P108856)

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

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Fluoranthene

Sample #s: 7113724

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance:
Benzo(k)fluoranthene

Sample #s: 7113716, 7113717, 7113718, 7113719, 7113720, 7113725, 7113726, 7113729, 7113730, 7113731, 7113732, 7113734, 7113741, 7113742

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 #: 131831848001 (Sample number(s): 7113716-7113727, 7113729-7113739 UNSPK: 7113736 BKG: 7113736)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Calcium, Magnesium

Batch #: 131831848002 (Sample number(s): 7113740-7113742 UNSPK: 7113742 BKG: 7113742)

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

Sample Description: WS-003(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113716
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 08:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

03S29 SDG#: PEI67-01

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)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113716
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 08:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

03S29 SDG#: PEI67-01

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

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	25.6		0.033	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	0.0328		0.00033	0.0050	1

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

Sample Description: WS-003(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113716
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 08:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

03S29 SDG#: PEI67-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	0.0094	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.79	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0050 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.70	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	G131832AA	07/02/2013 15:07	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131832AA	07/02/2013 15:07	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 10:53	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07036	Selenium	SW-846 6010B	2	131831848001	07/08/2013 14:41	Eric L Eby	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 20:59	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713004	07/03/2013 18:27	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713004	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113717
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 09:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

02S29 SDG#: PEI67-02

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)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113717
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 09:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

02S29 SDG#: PEI67-02

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.	0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	N.D.	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.054	1
08357	Chrysene	218-01-9	N.D.	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	N.D.	0.033	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.033	0.054	1
08357	Pyrene	129-00-0	N.D.	0.011	0.054	1

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	25.3	0.033	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	0.0312	0.00033	0.0050	1

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

Sample Description: WS-002(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113717
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 09:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

02S29 SDG#: PEI67-02

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**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.80	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.64	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	G131832AA	07/02/2013 17:38	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131832AA	07/02/2013 17:38	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 11:23	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:02	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713004	07/03/2013 18:29	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713004	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113718
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

05S29 SDG#: PEI67-03

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	0.5	J	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)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113718
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

05S29 SDG#: PEI67-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The 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	23.5	0.033	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	0.0174	0.00033	0.0050	1

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

Sample Description: WS-005(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113718
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

05S29 SDG#: PEI67-03

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**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.42	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.42	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	G131832AA	07/02/2013 17:59	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131832AA	07/02/2013 17:59	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 11:53	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:13	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713004	07/03/2013 18:38	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713004	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113719
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:30 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01S29 SDG#: PEI67-04

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-001(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113719
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:30 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01S29 SDG#: PEI67-04

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

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	24.3	0.033	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	0.0242	0.00033	0.0050	1

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

Sample Description: WS-001(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113719
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:30 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01S29 SDG#: PEI67-04

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**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.55	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.54	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	G131832AA	07/02/2013 18:21	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G131832AA	07/02/2013 18:21	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 12:23	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:17	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:24	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113720
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01029 SDG#: PEI67-05

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)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113720
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01029 SDG#: PEI67-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1

The 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	24.2	0.033	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	0.0226	0.00033	0.0050	1

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

Sample Description: WS-001(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113720
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 10:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01029 SDG#: PEI67-05

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.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.53	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.52	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 13:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 13:14	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 12:53	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:20	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:26	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113721
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 11:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04S29 SDG#: PEI67-06

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	3.7 J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-004(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113721
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 11:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04S29 SDG#: PEI67-06

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	1.8	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	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.013 J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	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	28.0	0.033	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	0.239	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	7.72	0.0334	0.200	1

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

Sample Description: WS-004(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113721
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 11:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04S29 SDG#: PEI67-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.12	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0068 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 13:35	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 13:35	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 13:22	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:24	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:28	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113722
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 11:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04029 SDG#: PEI67-07

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	5.2	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)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113722
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 11:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04029 SDG#: PEI67-07

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	5.1	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.019 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	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	27.2	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0188 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.158	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.00077 J	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.92	0.0334	0.200	1

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

Sample Description: WS-004(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113722
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 11:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04029 SDG#: PEI67-07

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	0.0203	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0953	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.02	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0193	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0236	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 13:56	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 13:56	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13186WAC026	07/06/2013 17:39	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	2	13186WAC026	07/05/2013 15:30	Elaine F Stoltzfus	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:28	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:30	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113723
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S29 SDG#: PEI67-08

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	4.2	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.		1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	0.5	1

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

Sample Description: WS-007(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113723
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S29 SDG#: PEI67-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	N.D.		0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.		0.011	0.054	1
08357	Anthracene	120-12-7	N.D.		0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	0.026	J	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.011	0.054	1
08357	Chrysene	218-01-9	0.020	J	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.011	0.054	1
08357	Fluoranthene	206-44-0	0.031	J	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.		0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	0.016	J	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	0.014	J	0.011	0.054	1
08357	Naphthalene	91-20-3	N.D.		0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.		0.032	0.054	1
08357	Pyrene	129-00-0	0.027	J	0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	23.3		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0071	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0821		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	5.75		0.0334	0.200	1

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

Sample Description: WS-007(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113723
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S29 SDG#: PEI67-08

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	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.17	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0036 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0029 J	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 14:17	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 14:17	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 14:22	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:31	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:32	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113724
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07029 SDG#: PEI67-09

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	3.5	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.		1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	0.5	1

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

Sample Description: WS-007(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113724
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07029 SDG#: PEI67-09

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	0.4	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	0.022	J	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.023	J	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.018	J	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.061		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.019	J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.034	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.055		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	0.099		0.010	0.051	1
08357	Fluorene	86-73-7	0.016	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.020	J	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.022	J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.025	J	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.051	1
08357	Phenanthrene	85-01-8	0.041	J	0.031	0.051	1
08357	Pyrene	129-00-0	0.082		0.010	0.051	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance:
Benzo(k)fluoranthene

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	30.2		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	

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

Sample Description: WS-007(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113724
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07029 SDG#: PEI67-09

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	0.0133 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.168	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.11	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0132 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0281	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.63	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0146	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0203	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 14:38	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 14:38	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13186WAC026	07/06/2013 18:08	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	2	13186WAC026	07/05/2013 15:30	Elaine F Stoltzfus	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:35	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:39	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113725
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06S29 SDG#: PEI67-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.6	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-006(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113725
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06S29 SDG#: PEI67-10

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	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The 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	24.0	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0279	0.00033	0.0050	1

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

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Analysis Report

Sample Description: WS-006(Surface)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113725
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06S29 SDG#: PEI67-10

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**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.47	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.50	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 14:58	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 14:58	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 15:21	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:38	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:41	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113726
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06029 SDG#: PEI67-11

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	3.4	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	0.7		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)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113726
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06029 SDG#: PEI67-11

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

The 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	23.9	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0392	0.00033	0.0050	1

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

Sample Description: WS-006(0.5-1.0)062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113726
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 12:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06029 SDG#: PEI67-11

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.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.43	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.52	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0019 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0023 J	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 15:19	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 15:19	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 15:51	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:42	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:43	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: DUP-WS-48-062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113727
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

DUP48 SDG#: PEI67-12FD

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	3.5 J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: DUP-WS-48-062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113727
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

DUP48 SDG#: PEI67-12FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	N.D.		0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.052	1
08357	Anthracene	120-12-7	N.D.		0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.015	J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.010	0.052	1
08357	Chrysene	218-01-9	0.017	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	0.031	J	0.010	0.052	1
08357	Fluorene	86-73-7	0.012	J	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	0.014	J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.011	J	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.052	1
08357	Pyrene	129-00-0	0.023	J	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.3		0.033	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	0.0410		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	4.67		0.0334	0.200	1

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

Sample Description: DUP-WS-48-062913 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113727
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/29/2013 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

DUP48 SDG#: PEI67-12FD

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.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.86	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0018 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0021 J	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 15:40	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 15:40	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 16:21	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:46	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:45	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-TB-86-063013 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113728
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

TB-86 SDG#: PEI67-13TB

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-86-063013 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113728
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

TB-86 SDG#: PEI67-13TB

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	I131831AA	07/02/2013 12:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 12:53	Jason M Long	1

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

Sample Description: WS-003(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113729
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 09:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

03S30 SDG#: PEI67-14

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

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

Sample Description: WS-003(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113729
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 09:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

03S30 SDG#: PEI67-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	N.D.		0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.051	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	0.014	J	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.015	J	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.025	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	0.011	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.020	J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.051	1
08357	Fluoranthene	206-44-0	0.017	J	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.		0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.051	1
08357	Pyrene	129-00-0	0.016	J	0.010	0.051	1

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

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	28.3		0.033	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	0.0614		0.00033	0.0050	1

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

Sample Description: WS-003(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113729
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 09:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

03S30 SDG#: PEI67-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.23	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0022 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0070 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.09	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0039 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0034 J	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 16:01	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 16:01	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 16:51	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 21:56	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:47	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113730
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 09:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

02S30 SDG#: PEI67-15

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

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

Sample Description: WS-002(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113730
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 09:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

02S30 SDG#: PEI67-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The 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	25.2	0.033	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	0.0328	0.00033	0.0050	1

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

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Analysis Report

Sample Description: WS-002(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113730
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 09:40 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

02S30 SDG#: PEI67-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.75	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.63	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 16:22	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 16:22	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 17:21	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 22:00	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:49	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113731
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 10:30 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

05S30 SDG#: PEI67-16

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

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

Sample Description: WS-005(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113731
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 10:30 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

05S30 SDG#: PEI67-16

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

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	25.8	0.033	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	0.0485	0.00033	0.0050	1

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

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Analysis Report

Sample Description: WS-005(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113731
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 10:30 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

05S30 SDG#: PEI67-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.92	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.67	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0027 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0026 J	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 16:43	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 16:43	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 17:50	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 22:04	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:51	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113732
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 10:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01S30 SDG#: PEI67-17

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

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

Sample Description: WS-001(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113732
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 10:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01S30 SDG#: PEI67-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The 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	24.4	0.033	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	0.0455	0.00033	0.0050	1

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

Sample Description: WS-001(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113732
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 10:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01S30 SDG#: PEI67-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.57	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.55	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0017 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 17:04	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 17:04	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAF026	07/03/2013 18:22	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAF026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 22:07	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:53	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113733
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01030 SDG#: PEI67-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	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)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113733
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01030 SDG#: PEI67-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	0.014 J	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	0.016 J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.011 J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.015 J	0.010	0.051	1
08357	Chrysene	218-01-9	0.014 J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.013 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	0.018 J	0.010	0.051	1
08357	Naphthalene	91-20-3	0.11	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	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	25.1	0.033	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	0.0525	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.68	0.0334	0.200	1

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

Sample Description: WS-001(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113733
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

01030 SDG#: PEI67-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.64	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0028 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 17:25	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 17:25	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13187WAA026	07/08/2013 19:15	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	2	13187WAA026	07/07/2013 13:30	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 22:11	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:55	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113734
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04S30 SDG#: PEI67-19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.3	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)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113734
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04S30 SDG#: PEI67-19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.3	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	0.1	J	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.		0.011	0.054	1
08357	Anthracene	120-12-7	N.D.		0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.		0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.011	0.054	1
08357	Chrysene	218-01-9	N.D.		0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.		0.011	0.054	1
08357	Fluorene	86-73-7	N.D.		0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	0.015	J	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.011	0.054	1
08357	Naphthalene	91-20-3	0.094		0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.		0.032	0.054	1
08357	Pyrene	129-00-0	N.D.		0.011	0.054	1

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	24.5		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0116	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.101		0.00033	0.0050	1

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

Sample Description: WS-004(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113734
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04S30 SDG#: PEI67-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.83	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0086 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0495	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.43	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0089 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0113	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 17:46	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 17:46	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 11:15	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 22:14	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 17:57	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113735
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04030 SDG#: PEI67-20

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

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

Sample Description: WS-004(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113735
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04030 SDG#: PEI67-20

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	5.4		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	0.017	J	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.022	J	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.036	J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.027	J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.023	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.032	J	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.012	J	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.034	J	0.010	0.051	1
08357	Fluorene	86-73-7	0.015	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.023	J	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.023	J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.025	J	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.		0.030	0.051	1
08357	Pyrene	129-00-0	0.034	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	22.9		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0094	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0767		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	5.46		0.0334	0.200	1

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

Sample Description: WS-004(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113735
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 11:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

04030 SDG#: PEI67-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0065 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0334	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.25	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0059 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0078	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 18:06	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 18:06	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13187WAA026	07/08/2013 19:44	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	2	13187WAA026	07/07/2013 13:30	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 22:18	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:03	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113736
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21BKG

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	4.2	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.		1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	0.5	1

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

Sample Description: WS-007(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113736
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21BKG

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.3	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.013	J	0.011	0.055	1
08357	Acenaphthylene	208-96-8	0.016	J	0.011	0.055	1
08357	Anthracene	120-12-7	0.034	J	0.011	0.055	1
08357	Benzo(a)anthracene	56-55-3	0.066		0.011	0.055	1
08357	Benzo(a)pyrene	50-32-8	0.062		0.011	0.055	1
08357	Benzo(b)fluoranthene	205-99-2	0.25		0.011	0.055	1
08357	Benzo(g,h,i)perylene	191-24-2	0.037	J	0.011	0.055	1
08357	Benzo(k)fluoranthene	207-08-9	0.082		0.011	0.055	1
08357	Chrysene	218-01-9	0.21		0.011	0.055	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.011	0.055	1
08357	Fluoranthene	206-44-0	0.32		0.011	0.055	1
08357	Fluorene	86-73-7	0.014	J	0.011	0.055	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.037	J	0.011	0.055	1
08357	1-Methylnaphthalene	90-12-0	0.015	J	0.011	0.055	1
08357	2-Methylnaphthalene	91-57-6	0.013	J	0.011	0.055	1
08357	Naphthalene	91-20-3	N.D.		0.033	0.055	1
08357	Phenanthrene	85-01-8	0.089		0.033	0.055	1
08357	Pyrene	129-00-0	0.29		0.011	0.055	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	17.2		0.033	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	0.0314		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	4.03		0.0334	0.200	1

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

Sample Description: WS-007(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113736
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21BKG

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.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.74	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0018 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 11:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 11:51	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 09:15	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 20:37	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:05	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)063013 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113737
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21MS

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	39	3.0	5.0	1
02898	Allyl Chloride	107-05-1	4.0	0.1	0.5	1
02898	Benzene	71-43-2	4.9	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.2	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.6	0.1	0.5	1
02898	Bromoform	75-25-2	4.1	0.1	0.5	1
02898	Bromomethane	74-83-9	4.5	0.1	0.5	1
02898	2-Butanone	78-93-3	37	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	4.9	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	4.8	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	4.7	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	4.9	0.1	0.5	1
02898	Chlorobenzene	108-90-7	4.9	0.1	0.5	1
02898	Chloroethane	75-00-3	4.7	0.1	0.5	1
02898	Chloroform	67-66-3	4.9	0.1	0.5	1
02898	Chloromethane	74-87-3	4.3	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	4.6	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	4.6	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.8	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.3	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	4.7	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.5	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	4.7	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	4.6	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	4.6	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	3.1	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.6	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	4.7	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.0	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.8	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.0	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.7	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.0	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.5	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	4.6	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.2	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.6	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.4	0.1	0.5	1
02898	Ethyl ether	60-29-7	4.2	0.1	0.5	1
02898	Ethylbenzene	100-41-4	4.8	0.1	0.5	1
02898	Freon 113	76-13-1	5.0	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.1	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.0	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	4.7	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.4	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	23	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.6	0.2	0.5	1

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

Sample Description: WS-007(Surface)063013 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113737
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	4.7	0.1	0.5	1
02898	Styrene	100-42-5	4.8	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	4.6	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.4	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	4.8	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	24	2.0	5.0	1
02898	Toluene	108-88-3	4.9	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.1	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.3	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	4.8	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.6	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.1	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	4.6	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.5	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	4.7	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	4.7	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	4.7	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.99	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.0	0.010	0.051	1
08357	Anthracene	120-12-7	0.97	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.83	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.84	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	1.0	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.51	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.96	0.010	0.051	1
08357	Chrysene	218-01-9	0.91	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.62	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.97	0.010	0.051	1
08357	Fluorene	86-73-7	1.0	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.60	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.0	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.99	0.010	0.051	1
08357	Naphthalene	91-20-3	1.0	0.031	0.051	1
08357	Phenanthrene	85-01-8	0.89	0.031	0.051	1
08357	Pyrene	129-00-0	1.1	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	38.6	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.168	0.0068	0.0200	1
07046	Barium	7440-39-3	2.12	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0527	0.00076	0.0050	1
01750	Calcium	7440-70-2	8.72	0.0334	0.200	1

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

Sample Description: WS-007(Surface)063013 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113737
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21MS

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	0.206	0.0016	0.0150	1
07055	Lead	7439-92-1	0.158	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.08	0.0167	0.100	1
07061	Nickel	7440-02-0	0.542	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.158	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0568	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.511	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0010	0.000060	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	I131831AA	07/02/2013 12:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 12:12	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 09:45	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 20:48	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:09	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)063013 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113738
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21MSD

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	36	3.0	5.0	1
02898	Allyl Chloride	107-05-1	4.2	0.1	0.5	1
02898	Benzene	71-43-2	5.0	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.4	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.9	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.5	0.1	0.5	1
02898	Bromoform	75-25-2	4.2	0.1	0.5	1
02898	Bromomethane	74-83-9	4.5	0.1	0.5	1
02898	2-Butanone	78-93-3	32	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	4.9	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	4.9	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.0	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	4.9	0.1	0.5	1
02898	Chlorobenzene	108-90-7	4.9	0.1	0.5	1
02898	Chloroethane	75-00-3	4.6	0.1	0.5	1
02898	Chloroform	67-66-3	5.0	0.1	0.5	1
02898	Chloromethane	74-87-3	4.2	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	4.7	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	4.8	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.1	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	4.8	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.6	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	4.8	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	4.8	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	4.8	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	3.1	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.8	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	4.7	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.1	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.9	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.2	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.6	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.0	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.6	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	4.7	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.3	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.7	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.5	0.1	0.5	1
02898	Ethyl ether	60-29-7	4.5	0.1	0.5	1
02898	Ethylbenzene	100-41-4	4.9	0.1	0.5	1
02898	Freon 113	76-13-1	5.0	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.2	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.0	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	4.8	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.5	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	24	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.7	0.2	0.5	1

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

Sample Description: WS-007(Surface)063013 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113738
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	4.9	0.1	0.5	1
02898	Styrene	100-42-5	4.9	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	4.7	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.7	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	4.8	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	21	2.0	5.0	1
02898	Toluene	108-88-3	5.5	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.2	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.3	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	4.8	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.8	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.1	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	4.8	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.8	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	4.8	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	4.9	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	4.6	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	1.0	0.010	0.052	1
08357	Acenaphthylene	208-96-8	1.1	0.010	0.052	1
08357	Anthracene	120-12-7	1.0	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	0.87	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.88	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	1.4	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.47	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	1.0	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	0.52	0.010	0.052	1
08357	Fluoranthene	206-44-0	1.4	0.010	0.052	1
08357	Fluorene	86-73-7	1.0	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.55	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	1.1	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	1.0	0.010	0.052	1
08357	Naphthalene	91-20-3	1.0	0.031	0.052	1
08357	Phenanthrene	85-01-8	1.1	0.031	0.052	1
08357	Pyrene	129-00-0	1.7	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	41.0	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.170	0.0068	0.0200	1
07046	Barium	7440-39-3	2.15	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0525	0.00076	0.0050	1
01750	Calcium	7440-70-2	8.96	0.0334	0.200	1

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

Sample Description: WS-007(Surface)063013 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113738
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21MSD

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	0.211	0.0016	0.0150	1
07055	Lead	7439-92-1	0.163	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.51	0.0167	0.100	1
07061	Nickel	7440-02-0	0.542	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.154	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0567	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.515	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0011	0.000060	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	I131831AA	07/02/2013 12:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 12:32	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 10:15	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 20:51	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:11	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)063013 DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113739
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:10 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07S30 SDG#: PEI67-21DUP

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	17.3	0.033	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	0.0312	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.05	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.74	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0018 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	131866256010	07/05/2013 13:00	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07046	Barium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07049	Cadmium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
01750	Calcium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07051	Chromium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07055	Lead	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
01757	Magnesium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07061	Nickel	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07036	Selenium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07066	Silver	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
07071	Vanadium	SW-846 6010B	1	131831848001	07/03/2013 20:44	John P Hook	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:07	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848001	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113740
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07030 SDG#: PEI67-22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	4.0	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	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)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113740
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07030 SDG#: PEI67-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	0.014 J	0.010	0.051	1
08357	Fluorene	86-73-7	0.011 J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.018 J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.015 J	0.010	0.051	1
08357	Naphthalene	91-20-3	0.071	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	0.011 J	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.4	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0360	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.39	0.0334	0.200	1

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

Sample Description: WS-007(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113740
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:20 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

07030 SDG#: PEI67-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.82	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0021 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0021 J	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 18:27	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 18:27	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 12:15	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131906256001	07/09/2013 19:00	Nina C Haller	1
07035	Arsenic	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131831848002	07/03/2013 23:59	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:13	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848002	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113741
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06S30 SDG#: PEI67-23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	Acetone	67-64-1	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)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113741
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06S30 SDG#: PEI67-23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	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	0.17	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The 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	23.0	0.033	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	0.0346	0.00033	0.0050	1

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

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Analysis Report

Sample Description: WS-006(Surface)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113741
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 12:50 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06S30 SDG#: PEI67-23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.22	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.43	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 18:48	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 18:48	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 12:45	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131906256001	07/09/2013 19:00	Nina C Haller	1
07035	Arsenic	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131831848002	07/04/2013 00:03	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:15	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848002	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113742
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 13:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06030 SDG#: PEI67-24*

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	3.2	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	0.1	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)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113742
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 13:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06030 SDG#: PEI67-24*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	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	0.21	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The 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	24.1	0.033	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	0.0414	0.00033	0.0050	1

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

Sample Description: WS-006(0.5-1.0)063013 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7113742
LL Group # 1401017
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/30/2013 13:00 by HV

Submitted: 07/01/2013 17:45
Reported: 07/09/2013 19:06

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

06030 SDG#: PEI67-24*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.41	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.57	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0020 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0026 J	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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	I131831AA	07/02/2013 19:09	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131831AA	07/02/2013 19:09	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13183WAG026	07/04/2013 13:14	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13183WAG026	07/02/2013 16:55	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131906256001	07/09/2013 19:00	Nina C Haller	1
07035	Arsenic	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131831848002	07/03/2013 23:38	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131825713003	07/03/2013 18:17	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131831848002	07/02/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131825713003	07/02/2013 15:15	Nelli S Markaryan	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 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: G131832AA	Sample number(s): 7113716-7113719								
Acetone	N.D.	3.0	5.0	ug/l	129		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	128		61-130		
Benzene	N.D.	0.1	0.5	ug/l	105		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	109		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	112		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	109		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	118		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	92		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	127		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	111		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	112		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	113		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	120		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	107		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	96		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	112		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	86		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	111		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	116		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	109		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	114		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	103		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	97		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	107		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	109		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	109		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	64		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	110		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	108		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	111		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	112		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	112		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	105		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	98		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	113		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	109		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	107		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	107		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	107		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	104		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	101		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: 1401017
Reported: 07/09/13 at 07:06 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Isopropylbenzene	N.D.	0.1	0.5	ug/l	104		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	107		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	106		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	105		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	108		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	116		80-120		
Styrene	N.D.	0.1	0.5	ug/l	107		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	113		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	116		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	98		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	120		65-131		
Toluene	N.D.	0.1	0.5	ug/l	107		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	89		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	97		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	109		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	103		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	112		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	93		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	109		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	112		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	113		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	90		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	106		80-120		
Batch number: I131831AA	Sample number(s): 7113720-7113738,7113740-7113742								
Acetone	N.D.	3.0	5.0	ug/l	91		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	79		61-130		
Benzene	N.D.	0.1	0.5	ug/l	98		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	91		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	98		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	93		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	87		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	92		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	101		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	99		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	99		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	99		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	94		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	100		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	94		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	99		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	85		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	96		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	99		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	100		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	89		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	98		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	94		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	97		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	98		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	61		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	92		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	97		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	95		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	95		80-120		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	98		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	114		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	100		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	95		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	90		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	100		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	94		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	92		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	88		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	94		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	87		61-125		
Isopropylbenzene	N.D.	0.1	0.5	ug/l	100		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	97		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	89		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	96		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	92		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	98		80-120		
Styrene	N.D.	0.1	0.5	ug/l	100		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	96		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	97		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	95		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	102		65-131		
Toluene	N.D.	0.1	0.5	ug/l	99		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	90		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	91		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	93		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	98		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	101		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	95		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	98		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	98		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	91		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	98		80-120		
Batch number: 13183WAF026	Sample number(s): 7113716-7113721,7113723,7113725-7113727,7113729-7113732								
Acenaphthene	N.D.	0.010	0.050	ug/l	93	99	65-124	6	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	99	105	72-113	5	30
Anthracene	N.D.	0.010	0.050	ug/l	92	97	70-117	5	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	89	92	75-115	3	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	94	98	72-120	4	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	107	111	74-130	4	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	94	102	63-121	8	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	97	100	74-118	3	30
Chrysene	N.D.	0.010	0.050	ug/l	94	99	75-112	5	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	86	99	66-122	13	30
Fluoranthene	N.D.	0.010	0.050	ug/l	89	92	73-116	3	30
Fluorene	N.D.	0.010	0.050	ug/l	91	96	74-115	5	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	93	101	66-122	8	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	96	102	72-114	5	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	91	96	74-119	5	30
Naphthalene	N.D.	0.030	0.050	ug/l	95	99	67-118	5	30
Phenanthrene	N.D.	0.030	0.050	ug/l	96	100	72-109	4	30
Pyrene	N.D.	0.010	0.050	ug/l	86	90	71-116	4	30

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 13183WAG026	Sample number(s): 7113734,7113736-7113738,7113740-7113742								
Acenaphthene	N.D.	0.010	0.050	ug/l	103		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	109		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	103		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	98		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	105		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	126		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	64		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	115		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	104		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	73		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	100		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	100		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	72		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	106		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	101		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	104		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	105		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	96		71-116		
Batch number: 13186WAC026	Sample number(s): 7113722,7113724								
Acenaphthene	N.D.	0.010	0.050	ug/l	106		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	98		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	101		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	92		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	97		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	91		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	111		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	119*		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	105		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	106		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	103		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	105		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	108		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	109		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	106		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	109		71-116		
Batch number: 13187WAA026	Sample number(s): 7113733,7113735								
Acenaphthene	N.D.	0.010	0.050	ug/l	109	107	65-124	2	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	92	90	72-113	1	30
Anthracene	N.D.	0.010	0.050	ug/l	97	96	70-117	2	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	103	98	75-115	5	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	96	94	72-120	2	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	119	111	74-130	7	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	109	104	63-121	4	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	109	114	74-118	4	30
Chrysene	N.D.	0.010	0.050	ug/l	107	103	75-112	4	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	109	97	66-122	11	30
Fluoranthene	N.D.	0.010	0.050	ug/l	111	111	73-116	0	30
Fluorene	N.D.	0.010	0.050	ug/l	100	100	74-115	0	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	106	101	66-122	5	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	111	111	72-114	0	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	107	108	74-119	1	30

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Naphthalene	N.D.	0.030	0.050	ug/l	104	104	67-118	0	30
Phenanthrene	N.D.	0.030	0.050	ug/l	103	103	72-109	0	30
Pyrene	N.D.	0.010	0.050	ug/l	103	101	71-116	2	30
Batch number: 131825713003	Sample number(s): 7113719-7113727,7113729-7113742								
Mercury	N.D.	0.00006	0.00020	mg/l	102		80-120		
		0							
Batch number: 131825713004	Sample number(s): 7113716-7113718								
Mercury	N.D.	0.00006	0.00020	mg/l	98		80-120		
		0							
Batch number: 131831848001	Sample number(s): 7113716-7113727,7113729-7113739								
Arsenic	N.D.	0.0068	0.0200	mg/l	106		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	103		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	104		90-112		
Calcium	0.0873 J	0.0334	0.200	mg/l	103		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	101		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	103		88-110		
Magnesium	0.0528 J	0.0167	0.100	mg/l	102		90-110		
Nickel	N.D.	0.0015	0.0100	mg/l	108		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	103		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	113		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	100		90-110		
Batch number: 131831848002	Sample number(s): 7113740-7113742								
Arsenic	N.D.	0.0068	0.0200	mg/l	104		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	104		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	104		90-112		
Calcium	N.D.	0.0334	0.200	mg/l	103		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	104		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	103		88-110		
Magnesium	N.D.	0.0167	0.100	mg/l	101		90-110		
Nickel	N.D.	0.0015	0.0100	mg/l	106		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	101		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	115		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	102		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: G131832AA	Sample number(s): 7113716-7113719 UNSPK: 7113716								
Acetone	121	122	57-163	1	30				
Allyl Chloride	141*	148*	67-139	5	30				
Benzene	111	117	87-126	5	30				
Bromobenzene	112	120	80-123	7	30				
Bromochloromethane	114	119	82-125	5	30				
Bromodichloromethane	113	119	82-133	6	30				
Bromoform	120	128	60-138	7	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 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
Bromomethane	96	97	41-145	1	30				
2-Butanone	111	114	63-146	2	30				
n-Butylbenzene	124	130	83-131	5	30				
sec-Butylbenzene	124	129*	84-128	4	30				
tert-Butylbenzene	122	127	84-135	4	30				
Carbon Tetrachloride	132	139	81-148	5	30				
Chlorobenzene	112	117	78-133	4	30				
Chloroethane	103	103	70-139	0	30				
Chloroform	118	123	86-136	5	30				
Chloromethane	91	91	55-152	1	30				
2-Chlorotoluene	120	126*	81-120	4	30				
4-Chlorotoluene	122*	127*	82-119	4	30				
1,2-Dibromo-3-chloropropane	98	100	43-143	2	30				
Dibromochloromethane	115	124	79-125	7	30				
1,2-Dibromoethane	104	110	84-127	6	30				
Dibromomethane	100	106	83-126	6	30				
1,2-Dichlorobenzene	112	118*	83-117	5	30				
1,3-Dichlorobenzene	115	122*	81-118	6	30				
1,4-Dichlorobenzene	114	118	79-120	4	30				
Dichlorodifluoromethane	67	59	28-136	11	30				
1,1-Dichloroethane	118	125	88-136	5	30				
1,2-Dichloroethane	111	117	82-135	5	30				
1,1-Dichloroethene	121	127	83-150	5	30				
cis-1,2-Dichloroethene	114	118	82-129	4	30				
trans-1,2-Dichloroethene	121	128*	88-127	6	30				
Dichlorofluoromethane	118	120	59-176	2	30				
1,2-Dichloropropane	117	124	91-126	6	30				
1,3-Dichloropropane	107	113	80-127	5	30				
2,2-Dichloropropane	108	113	80-134	5	30				
1,1-Dichloropropene	126	132	86-139	5	30				
cis-1,3-Dichloropropene	110	117	74-132	6	30				
trans-1,3-Dichloropropene	109	115	71-128	6	30				
Ethyl ether	106	111	67-127	4	30				
Ethylbenzene	115	120	80-140	4	30				
Freon 113	118	112	87-158	5	30				
Hexachlorobutadiene	115	120	65-128	5	30				
Isopropylbenzene	114	120	81-133	5	30				
p-Isopropyltoluene	121	126*	84-124	5	30				
Methyl Tertiary Butyl Ether	108	113	82-132	5	30				
4-Methyl-2-Pentanone	105	111	69-149	6	30				
Methylene Chloride	112	119	84-122	6	30				
n-Propylbenzene	125	133*	79-131	6	30				
Styrene	112	117	63-151	5	30				
1,1,1,2-Tetrachloroethane	118	123	87-126	4	30				
1,1,2,2-Tetrachloroethane	118	123	75-131	4	30				
Tetrachloroethene	108	112	75-129	4	30				
Tetrahydrofuran	106	108	56-154	2	30				
Toluene	115	121	83-127	5	30				
1,2,3-Trichlorobenzene	97	105	73-125	9	30				
1,2,4-Trichlorobenzene	105	114	77-120	8	30				
1,1,1-Trichloroethane	118	126	85-140	6	30				
1,1,2-Trichloroethane	106	110	85-129	4	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 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
Trichloroethene	120	126	85-131	5	30				
Trichlorofluoromethane	100	97	67-161	4	30				
1,2,3-Trichloropropane	109	116	76-120	6	30				
1,2,4-Trimethylbenzene	121	128*	87-126	5	30				
1,3,5-Trimethylbenzene	121	128	89-129	6	30				
Vinyl Chloride	98	97	65-151	0	30				
Xylene (Total)	115	120	81-137	5	30				
Batch number: I131831AA	Sample number(s): 7113720-7113738,7113740-7113742 UNSPK: 7113736								
Acetone	94	85	57-163	9	30				
Allyl Chloride	80	84	67-139	4	30				
Benzene	99	100	87-126	1	30				
Bromobenzene	84	88	80-123	5	30				
Bromochloromethane	96	98	82-125	1	30				
Bromodichloromethane	92	91	82-133	1	30				
Bromoform	82	84	60-138	2	30				
Bromomethane	90	90	41-145	0	30				
2-Butanone	98	85	63-146	13	30				
n-Butylbenzene	97	98	83-131	1	30				
sec-Butylbenzene	96	98	84-128	2	30				
tert-Butylbenzene	95	100	84-135	5	30				
Carbon Tetrachloride	97	98	81-148	1	30				
Chlorobenzene	97	98	78-133	1	30				
Chloroethane	94	92	70-139	3	30				
Chloroform	99	100	86-136	1	30				
Chloromethane	85	85	55-152	1	30				
2-Chlorotoluene	93	95	81-120	2	30				
4-Chlorotoluene	92	96	82-119	4	30				
1,2-Dibromo-3-chloropropane	96	81	43-143	16	30				
Dibromochloromethane	86	87	79-125	1	30				
1,2-Dibromoethane	93	95	84-127	2	30				
Dibromomethane	91	93	83-126	2	30				
1,2-Dichlorobenzene	94	96	83-117	3	30				
1,3-Dichlorobenzene	92	95	81-118	3	30				
1,4-Dichlorobenzene	93	95	79-120	3	30				
Dichlorodifluoromethane	61	62	28-136	0	30				
1,1-Dichloroethane	93	96	88-136	4	30				
1,2-Dichloroethane	95	95	82-135	0	30				
1,1-Dichloroethene	99	102	83-150	3	30				
cis-1,2-Dichloroethene	96	97	82-129	1	30				
trans-1,2-Dichloroethene	100	103	88-127	3	30				
Dichlorofluoromethane	114	112	59-176	2	30				
1,2-Dichloropropane	100	100	91-126	1	30				
1,3-Dichloropropane	90	92	80-127	2	30				
2,2-Dichloropropane	93	95	80-134	2	30				
1,1-Dichloropropene	104	106	86-139	2	30				
cis-1,3-Dichloropropene	93	94	74-132	1	30				
trans-1,3-Dichloropropene	87	90	71-128	3	30				
Ethyl ether	84	90	67-127	6	30				
Ethylbenzene	97	97	80-140	1	30				
Freon 113	100	101	87-158	1	30				
Hexachlorobutadiene	83	83	65-128	1	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 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
Isopropylbenzene	100	101	81-133	1	30				
p-Isopropyltoluene	94	97	84-124	2	30				
Methyl Tertiary Butyl Ether	87	91	82-132	4	30				
4-Methyl-2-Pentanone	90	95	69-149	5	30				
Methylene Chloride	92	95	84-122	3	30				
n-Propylbenzene	95	98	79-131	3	30				
Styrene	96	98	63-151	2	30				
1,1,1,2-Tetrachloroethane	93	94	87-126	2	30				
1,1,2,2-Tetrachloroethane	88	94	75-131	6	30				
Tetrachloroethene	95	96	75-129	1	30				
Tetrahydrofuran	96	84	56-154	13	30				
Toluene	93	103	83-127	10	30				
1,2,3-Trichlorobenzene	83	85	73-125	2	30				
1,2,4-Trichlorobenzene	86	87	77-120	1	30				
1,1,1-Trichloroethane	96	96	85-140	0	30				
1,1,2-Trichloroethane	93	96	85-129	3	30				
Trichloroethene	102	103	85-131	1	30				
Trichlorofluoromethane	91	96	67-161	5	30				
1,2,3-Trichloropropane	90	96	76-120	6	30				
1,2,4-Trimethylbenzene	93	96	87-126	3	30				
1,3,5-Trimethylbenzene	94	98	89-129	4	30				
Vinyl Chloride	94	93	65-151	2	30				
Xylene (Total)	97	99	81-137	2	30				
Batch number: 13183WAG026	Sample number(s): 7113734,7113736-7113738,7113740-7113742 UNSPK: 7113736								
Acenaphthene	95	95	59-127	2	30				
Acenaphthylene	99	100	33-146	3	30				
Anthracene	92	94	69-119	4	30				
Benzo(a)anthracene	75	78	67-124	5	30				
Benzo(a)pyrene	76	79	64-123	5	30				
Benzo(b)fluoranthene	77	111	61-133	31*	30				
Benzo(g,h,i)perylene	46	42	36-138	8	30				
Benzo(k)fluoranthene	86	93	59-128	9	30				
Chrysene	69	94	62-118	27	30				
Dibenz(a,h)anthracene	60	50	32-141	18	30				
Fluoranthene	64*	104	65-123	35*	30				
Fluorene	96	96	69-124	1	30				
Indeno(1,2,3-cd)pyrene	55	49	29-143	8	30				
1-Methylnaphthalene	101	101	67-117	2	30				
2-Methylnaphthalene	96	96	71-126	2	30				
Naphthalene	99	98	58-131	1	30				
Phenanthrene	78	94	67-117	18	30				
Pyrene	81	135*	59-125	41*	30				
Batch number: 13186WAC026	Sample number(s): 7113722,7113724 UNSPK: P108856								
Acenaphthene	102	103	59-127	1	30				
Acenaphthylene	101	101	33-146	0	30				
Anthracene	101	103	69-119	2	30				
Benzo(a)anthracene	107	105	67-124	2	30				
Benzo(a)pyrene	97	94	64-123	3	30				
Benzo(b)fluoranthene	104	94	61-133	9	30				
Benzo(g,h,i)perylene	96	89	36-138	7	30				

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 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
Benzo(k)fluoranthene	106	99	59-128	7	30				
Chrysene	107	96	62-118	10	30				
Dibenz(a,h)anthracene	93	88	32-141	6	30				
Fluoranthene	128*	103	65-123	20	30				
Fluorene	101	103	69-124	2	30				
Indeno(1,2,3-cd)pyrene	95	88	29-143	7	30				
1-Methylnaphthalene	110	112	67-117	2	30				
2-Methylnaphthalene	106	109	71-126	3	30				
Naphthalene	105	109	58-131	4	30				
Phenanthrene	104	102	67-117	1	30				
Pyrene	123	102	59-125	17	30				
Batch number: 131825713003	Sample number(s): 7113719-7113727,7113729-7113742 UNSPK: 7113736 BKG: 7113736								
Mercury	103	107	80-120	3	20	N.D.	N.D.	0 (1)	20
Batch number: 131825713004	Sample number(s): 7113716-7113718 UNSPK: 7113717 BKG: 7113717								
Mercury	101	99	80-120	2	20	N.D.	N.D.	0 (1)	20
Batch number: 131831848001	Sample number(s): 7113716-7113727,7113729-7113739 UNSPK: 7113736 BKG: 7113736								
Arsenic	112	113	81-123	1	20	N.D.	N.D.	0 (1)	20
Barium	105	106	78-118	1	20	0.0314	0.0312	1	20
Cadmium	105	105	83-116	0	20	N.D.	N.D.	0 (1)	20
Calcium	117	123*	81-118	3	20	4.03	4.05	1	20
Chromium	103	105	81-120	2	20	N.D.	N.D.	0 (1)	20
Lead	105	109	75-125	3	20	N.D.	N.D.	0 (1)	20
Magnesium	117	139*	75-125	10	20	1.74	1.74	0	20
Nickel	108	108	86-115	0	20	0.0018 J	0.0018 J	3 (1)	20
Selenium	105	103	75-125	2	20	N.D.	N.D.	0 (1)	20
Silver	114	113	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	102	103	90-111	1	20	N.D.	N.D.	0 (1)	20
Batch number: 131831848002	Sample number(s): 7113740-7113742 UNSPK: 7113742 BKG: 7113742								
Arsenic	106	106	81-123	0	20	N.D.	N.D.	0 (1)	20
Barium	104	105	78-118	1	20	0.0414	0.0409	1	20
Cadmium	102	102	83-116	1	20	N.D.	N.D.	0 (1)	20
Calcium	100	103	81-118	1	20	5.41	5.42	0	20
Chromium	105	106	81-120	1	20	N.D.	N.D.	0 (1)	20
Lead	102	102	75-125	0	20	N.D.	N.D.	0 (1)	20
Magnesium	101	104	75-125	1	20	2.57	2.53	1	20
Nickel	104	104	86-115	0	20	0.0020 J	N.D.	200* (1)	20
Selenium	100	100	75-125	0	20	N.D.	N.D.	0 (1)	20
Silver	115	117	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	103	103	90-111	1	20	0.0026 J	0.0025 J	6 (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.

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 PM

Surrogate Quality Control

Analysis Name: BTEX 25-ml purge
Batch number: G131832AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7113716	102	98	99	98
7113717	102	95	100	97
7113718	100	94	101	99
7113719	102	95	100	97
Blank	100	96	100	98
LCS	100	92	101	101
MS	102	94	101	101
MSD	100	94	101	100
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BTEX 25-ml purge
Batch number: I131831AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7113720	98	105	97	97
7113721	98	104	96	97
7113722	97	99	97	95
7113723	98	105	97	97
7113724	98	104	97	96
7113725	98	101	96	95
7113726	98	100	96	96
7113727	98	105	97	96
7113728	97	100	99	97
7113729	99	103	97	95
7113730	98	103	96	96
7113731	99	107	96	96
7113732	98	103	97	95
7113733	98	101	98	94
7113734	98	100	97	94
7113735	98	102	96	95
7113736	97	101	98	96
7113737	99	104	98	102
7113738	98	101	99	103
7113740	98	101	97	95
7113741	98	101	97	95
7113742	98	100	97	94
Blank	96	99	99	96
LCS	97	97	99	101
MS	99	104	98	102
MSD	98	101	99	103
Limits:	77-114	74-113	77-110	78-110

Analysis Name: PAHs in waters by SIM
Batch number: 13183WAF026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7113716	79	54*	93
7113717	80	55*	92
7113718	72	50*	88

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 PM

Surrogate Quality Control

7113719	75	57*	85
7113720	78	56*	88
7113721	71	73	87
7113723	74	71	92
7113725	69	34*	86
7113726	77	53*	91
7113727	70	63	88
7113729	74	49*	88
7113730	73	47*	87
7113731	67	44*	82
7113732	74	48*	89
Blank	86	95	96
LCS	78	91	91
LCSD	81	97	98
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13183WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7113734	65	61*	87
7113736	73	76	93
7113737	79	81	97
7113738	72	75	95
7113740	76	80	91
7113741	79	56*	93
7113742	69	44*	85
Blank	88	100	98
LCS	89	102	102
MS	79	81	97
MSD	72	75	95
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13186WAC026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7113722	96	99	100
7113724	91	78	101
Blank	86	86	96
LCS	94	88	105
MS	95	93	101
MSD	100	93	106
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13187WAA026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7113733	95	80	101

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1401017
Reported: 07/09/13 at 07:06 PM

Surrogate Quality Control

7113735	85	73	88
Blank	97	89	99
LCS	100	94	104
LCSD	100	90	104
Limits:	64-120	62-141	58-134

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ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 14739 For Eurofins Lancaster Laboratories use only Group # 1401017 Sample # 7113716-42
Instructions on reverse side correspond with circled numbers.

SCR#: 1 of 3

(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: H. Van Aller / B. Nicholson

(2) Sample Identification | **Collected** Date | Time | **(3)** Grab | Composite | **(4) Matrix** Soil | Sediment | Water | Potable | Ground | NPDES | Surface | Oil | Air | **Total # of Containers** | **(5) Analyses Requested** Preservation Code: H | N | VOCs 8260B | PAH 8270 SIM | RCRA metals + Ni, Ca, V, Mg hardness

Sample Identification	Date	Time	Grab	Composite	Matrix	Total # of Containers	H	N	VOCs 8260B	PAH 8270 SIM	RCRA metals + Ni, Ca, V, Mg hardness
WS-003 (Surface) 062913	6/29/13	0850	X		Water	6	X	X	X	X	X
WS-002 (Surface) 062913		0920	X		Water	6	X	X	X	X	X
WS-005 (Surface) 062913		1000	X		Water	6	X	X	X	X	X
WS-001 (Surface) 062913		1050	X		Water	6	X	X	X	X	X
WS-001 (0.5-1.0) 062913		1040	X		Water	6	X	X	X	X	X
WS-004 (Surface) 062913		1110	X		Water	6	X	X	X	V	X
WS-004 (0.5-1.0) 062913		1120	X		Water	6	X	X	X	X	X
WS-007 (Surface) 062913		1200	X		Water	6	X	X	X	X	X
WS-007 (0.5-1.0) 062913		1210	X		Water	6	X	X	X	X	X
WS-006 (Surface) 062913		1240	X		Water	6	X	X	X	X	X
WS-006 (0.5-1.0) 062913		1250	X		Water	6	X	X	X	X	X
Dup-WS-48-062913		—	X		Water	6	X	X	X	X	X

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

(6) Remarks
Data Analysis Questions: Arcadis/ Lyndi Mott

(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 Van Aller	6/30/13	1600			
Relinquished by Commercial Carrier: UPS ____ FedEx ____ (Other) Southwest					

(9)

Received by	Date	Time
7/1/13	7/1/13	
	6/30	1745

Temperature Upon Receipt .0-2.9 °C
Custody Seals Intact? (Yes) No

ExxonMobil Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories use only
Acct. # 14739 Group # 1401017 Sample # 7113716-42
Instructions on reverse side correspond with circled numbers.

2 of 3

SCR#:

1 Client Information

Facility #/SID: Mayflower Pipeline Incident
Site Address: Mayflower, AR
ExxonMobil PM: Scott Bushroe
Cost Center/AFE:
Consultant/Office: Arcadis - US
Consultant PM: Steve Barrick
Consultant Phone #: 919 302 6799
Sampler: H. Van Aller / B. Nicholson

4 Matrix

Sediment ☐ Soil ☐ | Ground ☐ Potable ☐ NPDES ☐ Surface ☒ Water | Air ☐ Oil ☐

5 Analyses Requested
Preservation Code

2 Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	Total # of Containers	VOCs 8260B	PAH 8270-SIM	RCRA metals + Ni, Ca, V, Mg hardness
WS-TB-86-063013	6/30/13	—	X		2	X		
WS-003(surface)063013		0900			6	X	X	X
WS-002(surface)063013		0940			6	X	X	X
WS-005(surface)063013		1030			6	X	X	X
WS-001(surface)063013		1050			6	X	X	X
WS-001(0.5-1.0)063013		1100			6	X	X	X
WS-004(surface)063013		1110			6	X	X	X
WS-004(0.5-1.0)063013		1120			6	X	X	X
WS-007(surface)063013		1210			6	X	X	X
WS-007(0.5-1.0)063013		1220			6	X	X	X
WS-007(surface)063013 MS/MSD		1210			12	X	X	X
WS-006(surface)063013		1250			6	X	X	X

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

MS/MSD

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 Van Aller	6/30/13	1600			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ____ FedEx ____ (Other) Southwest			Received by	7/1/13	1745

Temperature Upon Receipt 1.0-2.9 °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 # 1401017 Sample # 7113716-42

Instructions on reverse side correspond with circled numbers.

3 of 3

SCR#: _____

1 Client Information

Facility #/SID: Mayflower Pipeline Incident

Site Address: Mayflower, AR

ExxonMobil PM: Scott Bushroe

Cost Center/AFE:

Consultant/Office: Arcadis-us

Consultant PM: Steve Barrick

Consultant Phone #: 919 302 6799

Sampler: H. Van Aller / B. Nicholson

4 Matrix

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

5 Analyses Requested — Preservation Code

Preservation Codes

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

6 Remarks

Data Analysis Questions
Lyndi Moff/ ARCADIS

2 Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	Total # of Containers	H VOCs 8260B	PAH 8270 SIM	N RCRA metals +Ni, Cu, V, Mg
WS-006(0.5-1.0)063013	6/30/13	1300	X		6	X	X	X

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

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

EDD (circle if required)

Locus EIM (default)
Other _____

Relinquished by	Date	Time	Received by	Date	Time
H. Van Aller	6/30/13	1600			
Relinquished by Commercial Carrier: UPS ____ FedEx ____ (Other) Southwest				7/1/13	1745

Temperature Upon Receipt 1.0-2.9 °C

Custody Seals Intact? (Yes) No

9

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Issued by Dept. 40 Management

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

7053 0413

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Environmental Sample Administration Receipt Documentation Log

1401017

Client/Project: Exxonmobil

Date of Receipt: 7/1/13

Time of Receipt: 1745

Source Code: 01

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	2.2	TB	WI	Y	B	
2	↓	1.1	↓	↓	↓	↓	
3	↓	1.0	↓	↓	↓	↓	
4	↓	2.9	↓	↓	↓	↓	
5			\				
6			\				

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

Paperwork Discrepancy/Unpacking Problems:

30-NS24-EA-RB-01-063013 ambers time = 1340 - Gr. 1401016

Unpacker Signature/Emp#: 2308 **Date/Time:** 7/1/13 1830

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

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

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