ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

July 02, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 06/24/2013
Group Number: 1399320
SDG: PEI46
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-003(Surface)062213 Grab Surface Water	7105213
WS-002(Surface)062213 Grab Surface Water	7105214
WS-005(Surface)062213 Grab Surface Water	7105215
WS-001(Surface)062213 Grab Surface Water	7105216
WS-001(0.5-1.0)062213 Grab Surface Water	7105217
WS-004(Surface)062213 Grab Surface Water	7105218
WS-004(0.5-1.0)062213 Grab Surface Water	7105219
WS-007(Surface)062213 Grab Surface Water	7105220
WS-007(Surface)062213 MS Grab Surface Water	7105221
WS-007(Surface)062213 MSD Grab Surface Water	7105222
WS-007(Surface)062213 DUP Grab Surface Water	7105223
WS-007(0.5-1.0)062213 Grab Surface Water	7105224
WS-006(Surface)062213 Grab Surface Water	7105225
WS-006(0.5-1.0)062213 Grab Surface Water	7105226
WS-003(Surface)062313 Grab Surface Water	7105227
WS-002(Surface)062313 Grab Surface Water	7105228
WS-005(Surface)062313 Grab Surface Water	7105229
WS-001(Surface)062313 Grab Surface Water	7105230
WS-001(0.5-1.0)062313 Grab Surface Water	7105231
WS-004(Surface)062313 Grab Surface Water	7105232
WS-004(0.5-1.0)062313 Grab Surface Water	7105233
WS-007(Surface)062313 Grab Surface Water	7105234
WS-007(0.5-1.0)062313 Grab Surface Water	7105235
WS-006(Surface)062313 Grab Surface Water	7105236
WS-006(0.5-1.0)062313 Grab Surface Water	7105237
DUP-WS-45-062313 Grab Surface Water	7105238
WS-TB-80-062313 Water	7105239

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 #: 1399320

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 #: I131761AA (Sample number(s): 7105233-7105239 UNSPK: P105837)

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

SW-846 8270C SIM, GC/MS Semivolatiles

Batch #: 13176WAD026 (Sample number(s): 7105238)

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

Batch #: 13176WAG026 (Sample number(s): 7105213-7105222, 7105224-7105235 UNSPK: 7105220)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Benzo(g,h,i)perylene

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7105213, 7105214, 7105215, 7105216, 7105217, 7105225, 7105226, 7105227, 7105228, 7105230, 7105231

Batch #: 13176WAH026 (Sample number(s): 7105236-7105237 UNSPK: P105837)

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

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7105236, 7105237

Sample #s: 7105218, 7105219, 7105220, 7105224, 7105233, 7105234, 7105235

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(g,h,i)perylene

Sample #s: 7105238

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: 7105213, 7105214, 7105215, 7105216, 7105217, 7105225, 7105226, 7105227, 7105228, 7105230, 7105231, 7105236, 7105237

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 #: 131761848001 (Sample number(s): 7105236-7105238 UNSPK: P105837 BKG: P105837)

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

Sample Description: WS-003(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105213
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 08:15 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2203S SDG#: PEI46-01

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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105213
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 08:15 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2203S SDG#: PEI46-01

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	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	0.1	J	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	22.9		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	0.0200		0.00033	0.0050	1

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

Sample Description: WS-003(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105213
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 08:15 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2203S SDG#: PEI46-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.21	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	2.40	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	H131761AA	06/25/2013 12:40	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 12:40	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 02:17	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:33	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105214
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 09:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2202S SDG#: PEI46-02

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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105214
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 09:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2202S SDG#: PEI46-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	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	23.6	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	0.0219	0.00033	0.0050	1

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

Sample Description: WS-002(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105214
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 09:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2202S SDG#: PEI46-02

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	5.42	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	2.43	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	H131761AA	06/25/2013 13:01	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 13:01	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 02:47	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:36	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:27	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105215
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2205S SDG#: PEI46-03

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

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

Sample Description: WS-005(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105215
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2205S SDG#: PEI46-03

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.	0.030	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	23.3	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	0.0218	0.00033	0.0050	1

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

Sample Description: WS-005(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105215
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2205S SDG#: PEI46-03

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	5.46	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	2.35	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	H131761AA	06/25/2013 13:21	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 13:21	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 03:17	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:48	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:34	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105216
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2201S SDG#: PEI46-04

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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105216
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2201S SDG#: PEI46-04

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

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	22.9	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	0.0239	0.00033	0.0050	1

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

Sample Description: WS-001(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105216
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2201S SDG#: PEI46-04

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	5.21	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	2.39	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	H131761AA	06/25/2013 13:42	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 13:42	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 03:47	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:52	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105217
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22010 SDG#: PEI46-05

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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105217
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22010 SDG#: PEI46-05

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.	0.031	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	22.4	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	0.0222	0.00033	0.0050	1

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

Sample Description: WS-001(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105217
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22010 SDG#: PEI46-05

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	5.11	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	2.34	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	H131761AA	06/25/2013 15:05	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 15:05	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 04:17	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:55	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:38	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105218
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2204S SDG#: PEI46-06

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

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

Sample Description: WS-004(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105218
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2204S SDG#: PEI46-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	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	0.013 J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.019 J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	0.011 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	0.011 J	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.013 J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	0.11	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	0.012 J	0.010	0.052	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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	22.3	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-004(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105218
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2204S SDG#: PEI46-06

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**	
07035	Arsenic	7440-38-2	0.0112 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.120	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.31	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0029 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0091 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.20	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	0.0050	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	H131761AA	06/25/2013 15:26	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 15:26	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 19:05	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:59	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:40	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105219
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:50 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22040 SDG#: PEI46-07

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	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-004(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105219
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:50 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22040 SDG#: PEI46-07

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	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	0.052	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	0.014	J	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.017	J	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.039	J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.021	J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.012	J	0.010	0.052	1
08357	Chrysene	218-01-9	0.026	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	0.029	J	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.		0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.020	J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.016	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	0.031	J	0.010	0.052	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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	19.0		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-004(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105219
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 10:50 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22040 SDG#: PEI46-07

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**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0343	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.55	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0021 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0081 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.86	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	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	H131761AA	06/25/2013 15:47	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 15:47	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 19:35	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:03	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:42	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105220
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08BKG

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	6.0	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105220
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08BKG

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.012	J	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	0.020	J	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.017	J	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.073		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.016	J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.022	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.073		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	0.13		0.010	0.051	1
08357	Fluorene	86-73-7	0.012	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	J	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	0.056		0.031	0.051	1
08357	Pyrene	129-00-0	0.092		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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	20.1		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(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105220
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08BKG

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	0.0103 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0824	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.65	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0026 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0077 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.05	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	0.0057	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	H131761AA	06/25/2013 14:03	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 14:03	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 00:48	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:10	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:44	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)062213 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105221
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08MS

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	4.5	0.1	0.5	1
02898	Benzene	71-43-2	5.0	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.1	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.2	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.0	0.1	0.5	1
02898	Bromoform	75-25-2	5.0	0.1	0.5	1
02898	Bromomethane	74-83-9	5.0	0.1	0.5	1
02898	2-Butanone	78-93-3	38	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	5.2	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	5.3	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.3	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.3	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.2	0.1	0.5	1
02898	Chloroethane	75-00-3	5.0	0.1	0.5	1
02898	Chloroform	67-66-3	5.2	0.1	0.5	1
02898	Chloromethane	74-87-3	5.1	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.2	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	5.2	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.9	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.0	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.1	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.8	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.3	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.2	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.2	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	5.7	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.1	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.0	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.6	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.1	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.5	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.5	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.1	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	5.0	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.0	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.4	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.9	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.9	0.1	0.5	1
02898	Ethyl ether	60-29-7	4.1	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.2	0.1	0.5	1
02898	Freon 113	76-13-1	5.4	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.9	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.3	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.2	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.9	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	25	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.0	0.2	0.5	1

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

Sample Description: WS-007(Surface)062213 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105221
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	5.2	0.1	0.5	1
02898	Styrene	100-42-5	5.3	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.3	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.1	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.3	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	24	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	4.8	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.9	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.1	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.2	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.1	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.3	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.2	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.3	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	5.2	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	16	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	1.0	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
08357	Anthracene	120-12-7	1.0	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.91	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.91	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	0.55	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.99	0.010	0.051	1
08357	Chrysene	218-01-9	0.96	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.61	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.1	0.010	0.051	1
08357	Fluorene	86-73-7	1.1	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.61	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.1	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.1	0.010	0.051	1
08357	Naphthalene	91-20-3	1.1	0.031	0.051	1
08357	Phenanthrene	85-01-8	1.1	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	40.7	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	2.16	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0499	0.00076	0.0050	1
01750	Calcium	7440-70-2	9.16	0.0334	0.200	1

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

Sample Description: WS-007(Surface)062213 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105221
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.209	0.0016	0.0150	1
07055	Lead	7439-92-1	0.159	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.32	0.0167	0.100	1
07061	Nickel	7440-02-0	0.520	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.147	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0544	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.536	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	H131761AA	06/25/2013 14:24	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 14:24	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 01:18	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:21	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:48	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)062213 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105222
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	40	3.0	5.0	1
02898	Allyl Chloride	107-05-1	4.2	0.1	0.5	1
02898	Benzene	71-43-2	5.1	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.3	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.7	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	5.1	0.1	0.5	1
02898	Bromoform	75-25-2	5.3	0.1	0.5	1
02898	Bromomethane	74-83-9	4.9	0.1	0.5	1
02898	2-Butanone	78-93-3	39	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	5.5	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	5.5	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.5	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.3	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.5	0.1	0.5	1
02898	Chloroethane	75-00-3	4.9	0.1	0.5	1
02898	Chloroform	67-66-3	5.3	0.1	0.5	1
02898	Chloromethane	74-87-3	4.9	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.5	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	5.5	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	5.1	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	5.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.3	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.9	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.5	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.5	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.4	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	5.6	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.1	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.1	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.4	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.1	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.4	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.5	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.3	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	5.3	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.1	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.4	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.1	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	5.2	0.1	0.5	1
02898	Ethyl ether	60-29-7	3.7	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.4	0.1	0.5	1
02898	Freon 113	76-13-1	5.3	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	5.2	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.6	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.5	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.8	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	27	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.0	0.2	0.5	1

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

Sample Description: WS-007(Surface)062213 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105222
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	5.5	0.1	0.5	1
02898	Styrene	100-42-5	5.6	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.5	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	5.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.3	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	24	2.0	5.0	1
02898	Toluene	108-88-3	5.6	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	5.0	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	5.2	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.2	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	5.5	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.3	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	5.1	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	5.5	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.5	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.5	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	5.1	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	17	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	1.1	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
08357	Anthracene	120-12-7	1.1	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.91	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.96	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	1.2	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.61	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	1.0	0.010	0.051	1
08357	Chrysene	218-01-9	1.1	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.66	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.3	0.010	0.051	1
08357	Fluorene	86-73-7	1.1	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.69	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	1.1	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	1.1	0.010	0.051	1
08357	Naphthalene	91-20-3	1.1	0.031	0.051	1
08357	Phenanthrene	85-01-8	1.2	0.031	0.051	1
08357	Pyrene	129-00-0	1.2	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	40.7	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.164	0.0068	0.0200	1
07046	Barium	7440-39-3	2.14	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0497	0.00076	0.0050	1
01750	Calcium	7440-70-2	8.80	0.0334	0.200	1

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

Sample Description: WS-007(Surface)062213 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105222
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08MSD

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	0.210	0.0016	0.0150	1
07055	Lead	7439-92-1	0.164	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.54	0.0167	0.100	1
07061	Nickel	7440-02-0	0.525	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.147	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0541	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.537	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	H131761AA	06/25/2013 14:44	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 14:44	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 01:47	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:25	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:50	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)062213 DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105223
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2207S SDG#: PEI46-08DUP

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	19.9	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0122 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0827	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.63	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0028 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0071 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.03	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	0.0054	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	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/27/2013 23:17	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:46	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105224
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22070 SDG#: PEI46-09

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	6.1		3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	1.3	J	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105224
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22070 SDG#: PEI46-09

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	19	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	0.15	0.010	0.052	1
08357	Acenaphthylene	208-96-8	0.36	0.010	0.052	1
08357	Anthracene	120-12-7	0.73	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	2.2	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	2.1	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	7.1	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	1.3	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	2.2	0.010	0.052	1
08357	Chrysene	218-01-9	7.3	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	0.41	0.010	0.052	1
08357	Fluoranthene	206-44-0	8.3	0.010	0.052	1
08357	Fluorene	86-73-7	0.18	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	1.4	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.046 J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.056	0.010	0.052	1
08357	Naphthalene	91-20-3	0.042 J	0.031	0.052	1
08357	Phenanthrene	85-01-8	1.9	0.031	0.052	1
08357	Pyrene	129-00-0	6.9	0.010	0.052	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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	37.4	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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105224
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22070 SDG#: PEI46-09

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	0.0168 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.234	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.42	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0248	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0735	0.0047	0.0150	1
01757	Magnesium	7439-95-4	5.18	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0218	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	0.0368	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	H131761AA	06/25/2013 16:08	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 16:08	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 20:04	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:07	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:52	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105225
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2206S SDG#: PEI46-10

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	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)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105225
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2206S SDG#: PEI46-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.051	1
08357	Anthracene	120-12-7	N.D.		0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.010	0.051	1
08357	Chrysene	218-01-9	N.D.		0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.		0.010	0.051	1
08357	Fluorene	86-73-7	N.D.		0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.030	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	22.6		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	0.0218		0.00033	0.0050	1

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

Sample Description: WS-006(Surface)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105225
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2206S SDG#: PEI46-10

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	5.14	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	2.36	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	H131761AA	06/25/2013 16:28	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 16:28	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 20:34	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:10	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 08:58	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105226
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22060 SDG#: PEI46-11

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

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

Sample Description: WS-006(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105226
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22060 SDG#: PEI46-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	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	22.4		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	0.0186		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(0.5-1.0)062213 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105226
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/22/2013 11:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

22060 SDG#: PEI46-11

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	5.12	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	2.33	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	H131761AA	06/25/2013 16:49	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 16:49	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 21:04	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:14	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:00	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-003(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105227
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2303S SDG#: PEI46-12

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

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

Sample Description: WS-003(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105227
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2303S SDG#: PEI46-12

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

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	23.6	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	0.0233	0.00033	0.0050	1

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

Sample Description: WS-003(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105227
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2303S SDG#: PEI46-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.37	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	2.47	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	H131761AA	06/25/2013 17:09	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 17:09	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 21:34	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:18	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:02	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-002(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105228
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2302S SDG#: PEI46-13

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

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

Sample Description: WS-002(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105228
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2302S SDG#: PEI46-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	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	23.1	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	0.0185	0.00033	0.0050	1

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

Sample Description: WS-002(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105228
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2302S SDG#: PEI46-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.33	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	2.39	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	H131761AA	06/25/2013 17:30	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 17:30	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 22:03	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:21	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:04	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-005(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105229
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2305S SDG#: PEI46-14

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-005(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105229
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2305S SDG#: PEI46-14

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	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	21.4	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	0.0092	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.05	0.0334	0.200	1

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

Sample Description: WS-005(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105229
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 11:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2305S SDG#: PEI46-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.14	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	H131761AA	06/25/2013 17:50	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 17:50	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 22:33	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:33	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:06	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-001(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105230
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2301S SDG#: PEI46-15

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-001(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105230
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2301S SDG#: PEI46-15

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	22.6	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	0.0218	0.00033	0.0050	1

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

Sample Description: WS-001(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105230
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2301S SDG#: PEI46-15

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	5.15	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	2.36	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	H131761AA	06/25/2013 18:11	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 18:11	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 23:03	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:36	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:08	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105231
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23010 SDG#: PEI46-16

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-001(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105231
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23010 SDG#: PEI46-16

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	0.051	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	22.3	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	0.0180	0.00033	0.0050	1

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

Sample Description: WS-001(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105231
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23010 SDG#: PEI46-16

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	5.10	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	2.32	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	H131761AA	06/25/2013 18:31	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 18:31	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	06/30/2013 23:32	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:40	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:10	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-004(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105232
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2304S SDG#: PEI46-17

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

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

Sample Description: WS-004(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105232
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2304S SDG#: PEI46-17

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	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.051	1
08357	Anthracene	120-12-7	N.D.		0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.		0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.		0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.		0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.		0.010	0.051	1
08357	Chrysene	218-01-9	N.D.		0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.		0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.		0.010	0.051	1
08357	Fluorene	86-73-7	N.D.		0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	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	15.6		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	0.0243		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	3.64		0.0334	0.200	1

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

Sample Description: WS-004(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105232
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:20 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2304S SDG#: PEI46-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.59	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	H131761AA	06/25/2013 18:52	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131761AA	06/25/2013 18:52	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	07/01/2013 00:02	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:44	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:13	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105233
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23040 SDG#: PEI46-18

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

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

Sample Description: WS-004(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105233
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23040 SDG#: PEI46-18

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	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	0.014 J	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.037 J	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.018 J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	0.022 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	0.024 J	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.021 J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.015 J	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	0.027 J	0.010	0.052	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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	18.1	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-004(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105233
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:30 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23040 SDG#: PEI46-18

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**	
07035	Arsenic	7440-38-2	0.0073 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0371	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.35	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0026 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0122 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	1.75	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0022 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	0.0040 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	I131761AA	06/25/2013 16:30	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 16:30	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	07/01/2013 00:32	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:48	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:15	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105234
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2307S SDG#: PEI46-19

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	5.9	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)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105234
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2307S SDG#: PEI46-19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	N.D.		0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.017	J	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.052	1
08357	Anthracene	120-12-7	0.021	J	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	0.060		0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.049	J	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.16		0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.023	J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.051	J	0.010	0.052	1
08357	Chrysene	218-01-9	0.18		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	0.20		0.010	0.052	1
08357	Fluorene	86-73-7	0.018	J	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.024	J	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.018	J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.016	J	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.052	1
08357	Phenanthrene	85-01-8	0.082		0.031	0.052	1
08357	Pyrene	129-00-0	0.16		0.010	0.052	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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	16.8		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(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105234
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:40 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2307S SDG#: PEI46-19

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**	
07035	Arsenic	7440-38-2	0.0069 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0302	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	3.95	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	1.69	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	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	I131761AA	06/25/2013 16:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 16:51	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	07/01/2013 01:01	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:51	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105235
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:50 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23070 SDG#: PEI46-20

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	5.3		3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	1.0	J	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	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)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105235
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:50 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23070 SDG#: PEI46-20

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	2.4		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	0.038	J	0.010	0.051	1
08357	Acenaphthylene	208-96-8	0.062		0.010	0.051	1
08357	Anthracene	120-12-7	0.13		0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.34		0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.35		0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	1.4		0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.19		0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.41		0.010	0.051	1
08357	Chrysene	218-01-9	1.0		0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.055		0.010	0.051	1
08357	Fluoranthene	206-44-0	1.9		0.010	0.051	1
08357	Fluorene	86-73-7	0.044	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.22		0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.032	J	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.036	J	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.051	1
08357	Phenanthrene	85-01-8	0.40		0.031	0.051	1
08357	Pyrene	129-00-0	1.5		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(g,h,i)perylene

Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	28.5		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)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105235
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 12:50 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23070 SDG#: PEI46-20

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**	
07035	Arsenic	7440-38-2	0.0146 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.160	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.23	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0164	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0407	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.74	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0144	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	0.0240	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	I131761AA	06/25/2013 17:12	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 17:12	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAG026	07/01/2013 01:31	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAG026	06/26/2013 09:35	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:20	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07046	Barium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07049	Cadmium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
01750	Calcium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07051	Chromium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07055	Lead	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
01757	Magnesium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07061	Nickel	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07036	Selenium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07066	Silver	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
07071	Vanadium	SW-846 6010B	1	131761848002	06/28/2013 00:55	John W Yanzuk II	1
00259	Mercury	SW-846 7470A	1	131765713005	06/26/2013 09:23	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848002	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713005	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-006(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105236
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 13:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2306S SDG#: PEI46-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	Acetone	67-64-1	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)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105236
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 13:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2306S SDG#: PEI46-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	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	23.6	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	0.0164	0.00033	0.0050	1

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

Sample Description: WS-006(Surface)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105236
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 13:00 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

2306S SDG#: PEI46-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.36	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	2.47	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	I131761AA	06/25/2013 17:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 17:33	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAH026	06/30/2013 18:05	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAH026	06/26/2013 09:20	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:29	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848001	06/26/2013 13:12	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131761848001	06/26/2013 13:12	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131761848001	06/26/2013 09:33	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131765713004	06/26/2013 07:34	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848001	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713004	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105237
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 13:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23060 SDG#: PEI46-22

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

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

Sample Description: WS-006(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105237
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 13:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23060 SDG#: PEI46-22

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	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	24.2	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	0.0332	0.00033	0.0050	1

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

Sample Description: WS-006(0.5-1.0)062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105237
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 13:10 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

23060 SDG#: PEI46-22

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**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.40	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0019 J	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.60	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0022 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	0.0031 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	I131761AA	06/25/2013 17:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 17:54	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAH026	06/30/2013 18:35	Holly Berry	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAH026	06/26/2013 09:20	Katheryne V Sponheimer	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256001	06/28/2013 05:27	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131761848001	06/26/2013 13:16	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131761848001	06/26/2013 13:16	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131761848001	06/26/2013 09:37	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131765713004	06/26/2013 07:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848001	06/25/2013 23:00	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713004	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: DUP-WS-45-062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105238
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

DUP45 SDG#: PEI46-23FD

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: DUP-WS-45-062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105238
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

DUP45 SDG#: PEI46-23FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	N.D.		0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.012	J	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	N.D.		0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.044	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	0.015	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.036	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	0.080		0.010	0.051	1
08357	Fluorene	86-73-7	0.013	J	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.		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	0.019	J	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.030	0.051	1
08357	Phenanthrene	85-01-8	0.050	J	0.030	0.051	1
08357	Pyrene	129-00-0	0.062		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	16.7		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: DUP-WS-45-062313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105238
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013 by JW

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

DUP45 SDG#: PEI46-23FD

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	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0294	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	3.87	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	1.71	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0022 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	0.0022 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	I131761AA	06/25/2013 18:15	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 18:15	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13176WAD026	06/26/2013 09:06	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13176WAD026	06/25/2013 13:30	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131796256011	06/28/2013 12:30	Jennifer L Moyer	1
07035	Arsenic	SW-846 6010B	1	131761848001	06/26/2013 13:20	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131781848001	06/28/2013 10:03	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131761848001	06/26/2013 13:20	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131761848001	06/26/2013 09:41	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131765713004	06/26/2013 07:38	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131761848001	06/25/2013 23:00	Annamaria Stipkovits	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	2	131781848001	06/27/2013 23:30	Annamaria Stipkovits	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131765713004	06/25/2013 16:10	Nelli S Markaryan	1

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

Sample Description: WS-TB-80-062313 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105239
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

TB-80 SDG#: PEI46-24TB*

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-80-062313 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7105239
LL Group # 1399320
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 06/23/2013

Submitted: 06/24/2013 16:00
Reported: 07/02/2013 16:14

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

TB-80 SDG#: PEI46-24TB*

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	I131761AA	06/25/2013 16:10	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131761AA	06/25/2013 16:10	Jason M Long	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 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: H131761AA	Sample number(s): 7105213-7105222,7105224-7105232								
Acetone	N.D.	3.0	5.0	ug/l	96		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	88		61-130		
Benzene	N.D.	0.1	0.5	ug/l	98		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	99		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	104		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	95		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	95		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	98		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	95		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	98		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	99		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	101		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	102		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	99		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	97		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	100		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	98		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	99		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	100		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	94		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	97		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	99		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	93		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	100		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	108		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	99		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	97		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	103		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	99		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	106		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	108		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	96		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	97		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	102		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	95		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	95		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	85		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	100		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	91		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: 1399320
Reported: 07/02/13 at 04:14 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	99		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	98		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	99		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	98		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	101		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	100		80-120		
Styrene	N.D.	0.1	0.5	ug/l	101		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	100		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	102		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	98		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	97		65-131		
Toluene	N.D.	0.1	0.5	ug/l	98		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	92		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	94		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	99		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	97		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	99		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	98		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	102		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	100		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	100		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	100		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	99		80-120		
Batch number: I131761AA	Sample number(s): 7105233-7105239								
Acetone	N.D.	3.0	5.0	ug/l	83		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	77		61-130		
Benzene	N.D.	0.1	0.5	ug/l	94		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	87		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	94		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	87		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	81		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	107		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	91		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	90		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	91		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	95		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	107		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	95		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	110		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	92		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	92		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	91		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	84		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	93		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	88		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	95		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	93		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	94		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	107		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	89		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	92		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	94		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	92		80-120		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 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	96		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	121		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	94		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	90		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	87		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	97		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	88		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	85		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	67		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	93		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	85		61-125		
Isopropylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	93		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	87		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	88		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	90		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
Styrene	N.D.	0.1	0.5	ug/l	94		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	91		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	90		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	94		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	95		65-131		
Toluene	N.D.	0.1	0.5	ug/l	94		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	87		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	88		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	91		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	93		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	97		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	98		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	93		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	113		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	94		80-120		
Batch number: 13176WAD026	Sample number(s): 7105238								
Acenaphthene	N.D.	0.010	0.050	ug/l	98	97	65-124	1	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	111	109	72-113	2	30
Anthracene	N.D.	0.010	0.050	ug/l	105	103	70-117	3	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	101	99	75-115	2	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	102	98	72-120	4	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	119	130	74-130	9	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	96	104	63-121	9	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	111	121*	74-118	9	30
Chrysene	N.D.	0.010	0.050	ug/l	105	103	75-112	2	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	88	99	66-122	11	30
Fluoranthene	N.D.	0.010	0.050	ug/l	108	96	73-116	11	30
Fluorene	N.D.	0.010	0.050	ug/l	101	100	74-115	1	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	90	99	66-122	9	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	108	106	72-114	2	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	106	104	74-119	2	30
Naphthalene	N.D.	0.030	0.050	ug/l	104	102	67-118	2	30
Phenanthrene	N.D.	0.030	0.050	ug/l	102	99	72-109	3	30
Pyrene	N.D.	0.010	0.050	ug/l	113	111	71-116	2	30

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 13176WAG026	Sample number(s): 7105213-7105222,7105224-7105235								
Acenaphthene	N.D.	0.010	0.050	ug/l	105		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	112		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	107		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	100		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	113		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	123*		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	108		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	107		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	121		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	106		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	104		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	120		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	111		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	106		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	106		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	107		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	105		71-116		
Batch number: 13176WAH026	Sample number(s): 7105236-7105237								
Acenaphthene	N.D.	0.010	0.050	ug/l	106		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	114*		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	109		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	101		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	107		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	116		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	105		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	108		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	107		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	113		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	107		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	106		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	113		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	107		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	106		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	108		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	105		71-116		
Batch number: 131761848001	Sample number(s): 7105236-7105238								
Arsenic	N.D.	0.0068	0.0200	mg/l	102		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	101		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	102		90-112		
Calcium	0.267	0.0334	0.200	mg/l	105		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	101		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	104		88-110		
Magnesium	N.D.	0.0167	0.100	mg/l	100		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	104		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	104		90-110		
Batch number: 131761848002	Sample number(s): 7105213-7105235								
Arsenic	N.D.	0.0068	0.0200	mg/l	102		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	102		90-110		

*- Outside of specification
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(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: 1399320
Reported: 07/02/13 at 04:14 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Cadmium	N.D.	0.00076	0.0050	mg/l	102		90-112		
Calcium	0.126 J	0.0334	0.200	mg/l	103		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	103		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	106		88-110		
Magnesium	0.0268 J	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	98		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	112		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	107		90-110		
Batch number: 131765713004	Sample number(s): 7105236-7105238								
Mercury	N.D.	0.00006 0	0.00020	mg/l	108		80-120		
Batch number: 131765713005	Sample number(s): 7105213-7105235								
Mercury	N.D.	0.00006 0	0.00020	mg/l	107		80-120		
Batch number: 131781848001	Sample number(s): 7105238								
Calcium	0.0579 J	0.0334	0.200	mg/l	103		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: H131761AA	Sample number(s): 7105213-7105222,7105224-7105232 UNSPK: 7105220								
Acetone	79	91	57-163	12	30				
Allyl Chloride	89	84	67-139	6	30				
Benzene	100	101	87-126	1	30				
Bromobenzene	102	107	80-123	5	30				
Bromochloromethane	103	95	82-125	9	30				
Bromodichloromethane	99	103	82-133	3	30				
Bromoform	99	105	60-138	5	30				
Bromomethane	100	97	41-145	2	30				
2-Butanone	100	104	63-146	4	30				
n-Butylbenzene	104	109	83-131	4	30				
sec-Butylbenzene	105	110	84-128	4	30				
tert-Butylbenzene	106	110	84-135	4	30				
Carbon Tetrachloride	107	107	81-148	0	30				
Chlorobenzene	105	109	78-133	4	30				
Chloroethane	100	98	70-139	2	30				
Chloroform	103	105	86-136	2	30				
Chloromethane	101	99	55-152	2	30				
2-Chlorotoluene	104	109	81-120	5	30				
4-Chlorotoluene	105	110	82-119	5	30				
1,2-Dibromo-3-chloropropane	98	102	43-143	4	30				
Dibromochloromethane	101	108	79-125	7	30				
1,2-Dibromoethane	103	107	84-127	4	30				
Dibromomethane	97	99	83-126	2	30				
1,2-Dichlorobenzene	105	110	83-117	4	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,3-Dichlorobenzene	105	110	81-118	5	30				
1,4-Dichlorobenzene	104	109	79-120	5	30				
Dichlorodifluoromethane	114	112	28-136	2	30				
1,1-Dichloroethane	102	101	88-136	0	30				
1,2-Dichloroethane	100	102	82-135	2	30				
1,1-Dichloroethene	111	108	83-150	3	30				
cis-1,2-Dichloroethene	102	102	82-129	0	30				
trans-1,2-Dichloroethene	110	107	88-127	2	30				
Dichlorofluoromethane	110	109	59-176	1	30				
1,2-Dichloropropane	103	106	91-126	3	30				
1,3-Dichloropropane	100	105	80-127	6	30				
2,2-Dichloropropane	100	102	80-134	1	30				
1,1-Dichloropropene	108	107	86-139	1	30				
cis-1,3-Dichloropropene	97	102	74-132	5	30				
trans-1,3-Dichloropropene	98	103	71-128	6	30				
Ethyl ether	82	75	67-127	10	30				
Ethylbenzene	104	108	80-140	4	30				
Freon 113	107	106	87-158	1	30				
Hexachlorobutadiene	97	103	65-128	6	30				
Isopropylbenzene	106	112	81-133	5	30				
p-Isopropyltoluene	104	109	84-124	5	30				
Methyl Tertiary Butyl Ether	98	97	82-132	1	30				
4-Methyl-2-Pentanone	102	107	69-149	5	30				
Methylene Chloride	101	100	84-122	1	30				
n-Propylbenzene	105	110	79-131	4	30				
Styrene	106	111	63-151	4	30				
1,1,1,2-Tetrachloroethane	107	111	87-126	4	30				
1,1,2,2-Tetrachloroethane	101	110	75-131	8	30				
Tetrachloroethene	107	107	75-129	0	30				
Tetrahydrofuran	97	98	56-154	0	30				
Toluene	104	107	83-127	3	30				
1,2,3-Trichlorobenzene	95	100	73-125	4	30				
1,2,4-Trichlorobenzene	98	104	77-120	6	30				
1,1,1-Trichloroethane	105	104	85-140	1	30				
1,1,2-Trichloroethane	103	110	85-129	7	30				
Trichloroethene	104	106	85-131	2	30				
Trichlorofluoromethane	103	102	67-161	1	30				
1,2,3-Trichloropropane	105	110	76-120	4	30				
1,2,4-Trimethylbenzene	104	110	87-126	5	30				
1,3,5-Trimethylbenzene	105	111	89-129	5	30				
Vinyl Chloride	104	102	65-151	2	30				
Xylene (Total)	105	110	81-137	5	30				
Batch number: I131761AA	Sample number(s): 7105233-7105239 UNSPK: P105837								
Acetone	85	84	57-163	2	30				
Allyl Chloride	75	78	67-139	4	30				
Benzene	95	94	87-126	1	30				
Bromobenzene	84	81	80-123	3	30				
Bromochloromethane	90	92	82-125	2	30				
Bromodichloromethane	85	85	82-133	0	30				
Bromoform	75	75	60-138	0	30				
Bromomethane	107	105	41-145	2	30				

*- Outside of specification
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Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 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
2-Butanone	96	91	63-146	5	30				
n-Butylbenzene	94	90	83-131	5	30				
sec-Butylbenzene	93	89	84-128	5	30				
tert-Butylbenzene	90	86	84-135	4	30				
Carbon Tetrachloride	95	93	81-148	2	30				
Chlorobenzene	94	92	78-133	2	30				
Chloroethane	108	105	70-139	2	30				
Chloroform	94	94	86-136	1	30				
Chloromethane	113	110	55-152	3	30				
2-Chlorotoluene	91	86	81-120	6	30				
4-Chlorotoluene	90	87	82-119	3	30				
1,2-Dibromo-3-chloropropane	94	88	43-143	6	30				
Dibromochloromethane	82	81	79-125	0	30				
1,2-Dibromoethane	89	88	84-127	1	30				
Dibromomethane	87	86	83-126	1	30				
1,2-Dichlorobenzene	91	89	83-117	3	30				
1,3-Dichlorobenzene	91	86	81-118	5	30				
1,4-Dichlorobenzene	91	88	79-120	4	30				
Dichlorodifluoromethane	108	110	28-136	1	30				
1,1-Dichloroethane	91	90	88-136	1	30				
1,2-Dichloroethane	90	90	82-135	1	30				
1,1-Dichloroethene	99	97	83-150	2	30				
cis-1,2-Dichloroethene	93	91	82-129	2	30				
trans-1,2-Dichloroethene	98	97	88-127	2	30				
Dichlorofluoromethane	124	120	59-176	4	30				
1,2-Dichloropropane	94	93	91-126	1	30				
1,3-Dichloropropane	87	86	80-127	1	30				
2,2-Dichloropropane	88	89	80-134	1	30				
1,1-Dichloropropene	101	99	86-139	1	30				
cis-1,3-Dichloropropene	86	86	74-132	0	30				
trans-1,3-Dichloropropene	81	82	71-128	0	30				
Ethyl ether	62*	62*	67-127	0	30				
Ethylbenzene	93	91	80-140	2	30				
Freon 113	99	96	87-158	3	30				
Hexachlorobutadiene	82	77	65-128	7	30				
Isopropylbenzene	96	93	81-133	3	30				
p-Isopropyltoluene	92	87	84-124	5	30				
Methyl Tertiary Butyl Ether	83	84	82-132	1	30				
4-Methyl-2-Pentanone	83	83	69-149	1	30				
Methylene Chloride	89	88	84-122	1	30				
n-Propylbenzene	92	89	79-131	4	30				
Styrene	92	90	63-151	2	30				
1,1,1,2-Tetrachloroethane	89	88	87-126	1	30				
1,1,2,2-Tetrachloroethane	84	83	75-131	1	30				
Tetrachloroethene	96	93	75-129	4	30				
Tetrahydrofuran	96	92	56-154	5	30				
Toluene	94	93	83-127	1	30				
1,2,3-Trichlorobenzene	82	78	73-125	5	30				
1,2,4-Trichlorobenzene	84	80	77-120	4	30				
1,1,1-Trichloroethane	93	91	85-140	2	30				
1,1,2-Trichloroethane	89	87	85-129	2	30				
Trichloroethene	99	98	85-131	1	30				

*- Outside of specification
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(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: 1399320
Reported: 07/02/13 at 04:14 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
Trichlorofluoromethane	110	103	67-161	7	30				
1,2,3-Trichloropropane	85	85	76-120	0	30				
1,2,4-Trimethylbenzene	91	87	87-126	4	30				
1,3,5-Trimethylbenzene	92	89	89-129	4	30				
Vinyl Chloride	118	114	65-151	3	30				
Xylene (Total)	94	92	81-137	2	30				
Batch number: 13176WAG026	Sample number(s): 7105213-7105222,7105224-7105235 UNSPK: 7105220								
Acenaphthene	101	103	59-127	1	30				
Acenaphthylene	107	109	33-146	2	30				
Anthracene	101	104	69-119	3	30				
Benzo(a)anthracene	87	88	67-124	1	30				
Benzo(a)pyrene	87	92	64-123	5	30				
Benzo(b)fluoranthene	93	112	61-133	17	30				
Benzo(g,h,i)perylene	52	58	36-138	11	30				
Benzo(k)fluoranthene	95	96	59-128	1	30				
Chrysene	86	98	62-118	11	30				
Dibenz(a,h)anthracene	59	64	32-141	8	30				
Fluoranthene	99	117	65-123	15	30				
Fluorene	103	105	69-124	2	30				
Indeno(1,2,3-cd)pyrene	58	66	29-143	12	30				
1-Methylnaphthalene	108	110	67-117	2	30				
2-Methylnaphthalene	104	106	71-126	1	30				
Naphthalene	107	112	58-131	4	30				
Phenanthrene	104	113	67-117	7	30				
Pyrene	95	110	59-125	14	30				
Batch number: 13176WAH026	Sample number(s): 7105236-7105237 UNSPK: P105837								
Acenaphthene	105	105	59-127	1	30				
Acenaphthylene	113	112	33-146	2	30				
Anthracene	106	103	69-119	5	30				
Benzo(a)anthracene	83	84	67-124	0	30				
Benzo(a)pyrene	88	89	64-123	0	30				
Benzo(b)fluoranthene	84	84	61-133	1	30				
Benzo(g,h,i)perylene	70	82	36-138	14	30				
Benzo(k)fluoranthene	88	88	59-128	2	30				
Chrysene	85	84	62-118	2	30				
Dibenz(a,h)anthracene	82	90	32-141	9	30				
Fluoranthene	90	86	65-123	4	30				
Fluorene	111	109	69-124	3	30				
Indeno(1,2,3-cd)pyrene	77	88	29-143	12	30				
1-Methylnaphthalene	112	111	67-117	2	30				
2-Methylnaphthalene	107	107	71-126	1	30				
Naphthalene	107	112	58-131	3	30				
Phenanthrene	108	110	67-117	1	30				
Pyrene	91	87	59-125	5	30				
Batch number: 131761848001	Sample number(s): 7105236-7105238 UNSPK: P105837 BKG: P105837								
Arsenic	105	105	81-123	1	20	N.D.	0.0079 J	200* (1)	20
Barium	103	103	78-118	0	20	0.0586	0.0570	3	20
Cadmium	101	100	83-116	1	20	N.D.	N.D.	0 (1)	20
Calcium	108	98	81-118	5	20	4.65	4.59	1	20

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chromium	103	104	81-120	1	20	0.0033 J	0.0034 J	2 (1)	20
Lead	106	106	75-125	0	20	0.0062 J	0.0061 J	1 (1)	20
Magnesium	114	120	75-125	3	20	2.20	2.17	1	20
Nickel	106	105	86-115	1	20	0.0038 J	0.0038 J	1 (1)	20
Selenium	101	102	75-125	1	20	N.D.	N.D.	0 (1)	20
Silver	103	103	75-125	1	20	N.D.	N.D.	0 (1)	20
Vanadium	105	105	90-111	0	20	0.0044 J	0.0057	26* (1)	20
Batch number: 131761848002	Sample number(s): 7105213-7105235 UNSPK: 7105220 BKG: 7105220								
Arsenic	105	103	81-123	2	20	0.0103 J	0.0122 J	17 (1)	20
Barium	104	103	78-118	1	20	0.0824	0.0827	0	20
Cadmium	100	99	83-116	0	20	N.D.	N.D.	0 (1)	20
Calcium	113	104	81-118	4	20	4.65	4.63	0	20
Chromium	103	104	81-120	1	20	0.0026 J	0.0028 J	4 (1)	20
Lead	101	104	75-125	3	20	0.0077 J	0.0071 J	8 (1)	20
Magnesium	113	124	75-125	5	20	2.05	2.03	1	20
Nickel	104	105	86-115	1	20	0.0028 J	0.0028 J	1 (1)	20
Selenium	98	98	75-125	0	20	N.D.	N.D.	0 (1)	20
Silver	109	108	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	106	106	90-111	0	20	0.0057	0.0054	5 (1)	20
Batch number: 131765713004	Sample number(s): 7105236-7105238 UNSPK: P105837 BKG: P105837								
Mercury	105	109	80-120	3	20	N.D.	N.D.	0 (1)	20
Batch number: 131765713005	Sample number(s): 7105213-7105235 UNSPK: 7105220 BKG: 7105220								
Mercury	108	107	80-120	1	20	N.D.	N.D.	0 (1)	20
Batch number: 131781848001	Sample number(s): 7105238 UNSPK: P105837 BKG: P105837								
Calcium	112	103	81-118	4	20	4.42	4.46	1	20

Surrogate Quality Control

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

Analysis Name: BTEX 25-ml purge
Batch number: H131761AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7105213	104	105	102	100
7105214	104	101	101	100
7105215	104	102	102	100
7105216	103	100	102	100
7105217	103	103	102	99
7105218	104	103	103	100
7105219	102	102	102	100
7105220	105	100	101	100
7105221	104	99	103	102
7105222	101	102	102	102

*- Outside of specification
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Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 PM

Surrogate Quality Control

7105224	103	102	102	99
7105225	102	102	103	99
7105226	103	101	102	99
7105227	103	101	103	100
7105228	104	102	102	98
7105229	103	100	102	98
7105230	104	102	103	99
7105231	104	102	102	99
7105232	104	103	103	99
Blank	105	104	100	98
LCS	102	100	102	102
MS	104	99	103	102
MSD	101	102	102	102
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BTEX 25-ml purge
Batch number: I131761AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7105233	95	99	98	95
7105234	97	101	98	95
7105235	96	101	98	95
7105236	96	99	98	95
7105237	97	101	98	95
7105238	96	103	97	95
7105239	96	98	99	95
Blank	96	100	98	96
LCS	97	99	99	99
MS	98	102	98	100
MSD	98	103	99	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: PAHs in waters by SIM
Batch number: 13176WAD026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7105238	102	99	100
Blank	98	99	85
LCS	99	105	104
LCSD	90	101	102
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13176WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7105213	91	47*	102
7105214	92	50*	101
7105215	92	52*	98
7105216	95	46*	100
7105217	93	44*	99

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1399320
Reported: 07/02/13 at 04:14 PM

Surrogate Quality Control

7105218	81	83	101
7105219	89	82	97
7105220	66	66	67
7105221	91	88	103
7105222	94	88	105
7105224	72	63	94
7105225	96	46*	102
7105226	89	45*	93
7105227	99	51*	104
7105228	98	61*	103
7105229	100	75	103
7105230	99	58*	102
7105231	95	59*	101
7105232	90	82	100
7105233	89	82	100
7105234	90	87	100
7105235	85	68	102
Blank	95	95	101
LCS	94	101	107
MS	91	88	103
MSD	94	88	105
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13176WAH026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7105236	85	54*	91
7105237	95	58*	100
Blank	96	98	98
LCS	101	103	106
MS	92	88	106
MSD	87	89	105
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 # 1399320 Sample # 7105213-39
Instructions on reverse side correspond with circled numbers.

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: JASON WALDRON / HANS VAN ALLER

SCR#:

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

2 Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	4 Matrix: Soil	Sediment	Water: Ground	Water: Potable	Water: Surface	Water: NPDES	Oil	Air	Total # of Containers	5 Analyses Requested: Preservation Code H	VOCs 8260 B	PAH 8270 SIM	RCRA Metals + Ni, V, Hardness	Remarks
WS-003 (SURFACE) 062213	6/22/13	0815	X				X						6	X	X	X	X	
WS-002 (SURFACE) 062213	6/22/13	0900	X				X						6	X	X	X	X	
WS-005 (SURFACE) 062213	6/22/13	1000	X				X						6	X	X	X	X	
WS-001 (SURFACE) 062213	6/22/13	1020	X				X						6	X	X	X	X	
WS-001 (0.5-1.0) 062213	6/22/13	1030	X				X						6	X	X	X	X	
WS-004 (SURFACE) 062213	6/22/13	1040	X				X						6	X	X	X	X	
WS-004 (0.5-1.0) 062213	6/22/13	1050	X				X						6	X	X	X	X	
WS-007 (SURFACE) 062213	6/22/13	1100	X				X						6	X	X	X	X	
WS-007 (SURFACE) 062213-MS/MSD	6/22/13	1100	X				X						12	X	X	X	X	MS/MSD
WS-007 (0.5-1.0) 062213	6/22/13	1110	X				X						6	X	X	X	X	
WS-006 (SURFACE) 062213	6/22/13	1120	X				X						6	X	X	X	X	
WS-006 (0.5-1.0) 062213	6/22/13	1130	X				X						6	X	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
	6/23/13	1600			
Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other (SOUTHWEST)					

9

Temperature Upon Receipt 1.4-3.5 °C

Custody Seals Intact? (Yes) No

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 14739 For Eurofins Lancaster Laboratories use only Group # 1399320 Sample # 7105213-20
Instructions on reverse side correspond with circled numbers.

SCR#: 2 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: JASON WALDRON / HANS VAN ALLER

(4) Matrix

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

(5) Analyses Requested

Preservation Code: H | | Z

(2) Sample Identification	Collected Date	Collected Time	(3) Grab	Composite	Total # of Containers	VOCs 8260 B	PAH 8270 SIM	RCRA Metals + Hardness Ni, V, Hg
WS-003 (SURFACE) 062313	6/23/13	1100	X		6	X	X	X
WS-002 (SURFACE) 062313	6/23/13	1120	X		6	X	X	X
WS-005 (SURFACE) 062313	6/23/13	1140	X		6	X	X	X
WS-001 (SURFACE) 062313	6/23/13	1200	X		6	X	X	X
WS-001 (0.5-1.0) 062313	6/23/13	1210	X		6	X	X	X
WS-004 (SURFACE) 062313	6/23/13	1220	X		6	X	X	X
WS-004 (0.5-1.0) 062313	6/23/13	1230	X		6	X	X	X
WS-007 (SURFACE) 062313	6/23/13	1240	X		6	X	X	X
WS-007 (0.5-1.0) 062313	6/23/13	1250	X		6	X	X	X
WS-006 (SURFACE) 062313	6/23/13	1300	X		6	X	X	X
WS-006 (0.5-1.0) 062313	6/23/13	1310	X		6	X	X	X
DUP-WS-45-062313	6/23/13	—	X		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: 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
	6/23/13	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	6/24/13	1600

Temperature Upon Receipt 1.4-3.5 °C

Custody Seals Intact? (Yes) No

(9)

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 14739 For Eurofins Lancaster Laboratories use only Group # 1399320 Sample # 710523-39
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) 382-6799
Sampler: JASON WALDRON / HANS VAN ALLER

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: ARCADIS / LYNDI MOTT

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	Total # of Containers	VOC's 8260B
WS-TB-80-062313	6/23/13	—	X		2	X

7 Turnaround Time Requested (TAT) (please circle)

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

8 Data Package (circle if required)

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

EDD (circle if required)

Locus EIM (default)
Other

Relinquished by	Date	Time	Received by	Date	Time
	6/23/13	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	6/24/13	1600

Temperature Upon Receipt 1.4 / 3.5 °C

Custody Seals Intact? (Yes) No

9

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Environmental Sample Administration Receipt Documentation Log

1399320

Client/Project: Exxonmobil

Date of Receipt: 6/24/13

Time of Receipt: 1600

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	2.4°	TB	WI	Y	B	
2	↓	1.0°	↑	↓	↓	↓	
3	↓	4.7°	↓	↓	↓	↓	
4	↓	2.1°	↓	↓	↓	↓	
5	↓	3.5°	↓	↓	↓	↓	
6	↓	1.4°	↓	↓	↓	↓	

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

Paperwork Discrepancy/Unpacking Problems:

FB-24-01-02 (1-1.5) time = 1000 - Gr. 1399316

vials for EA-010D samples labeled EA-010 - Gr. 1399360

1 vial for WS-007 (surface) MSD received broken - Gr. 1399320

Unpacker Signature/Emp#: 2308 **Date/Time:** 6/24/13 1705

Issued by Dept. 6042 Management

2174.06

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.

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