ANALYTICAL RESULTS

Prepared by:

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2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

August 14, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 08/08/2013
Group Number: 1410013
SDG: PEK30
PO Number: ARCADIS
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-014(1.5-2.0)080713 Grab Surface Water	7154113
WS-014(5.5-6.0)080713 Grab Surface Water	7154114
WS-012(1.5-2.0)080713 Grab Surface Water	7154115
WS-012(5.0-5.5)080713 Grab Surface Water	7154116
WS-010(1.5-2.0)080713 Grab Surface Water	7154117
WS-010(3.5-4.0)080713 Grab Surface Water	7154118
WS-006(0.5-1.0)080713 Grab Surface Water	7154119
WS-006(0.5-1.0)080713MS Grab Surface Water	7154120
WS-006(0.5-1.0)080713MSD Grab Surface Water	7154121
WS-006(0.5-1.0)080713DUP Grab Surface Water	7154122
WS-005(Surface)080713 Grab Surface Water	7154123
WS-011(1.5-2.0)080713 Grab Surface Water	7154124
WS-011(5.0-5.5)080713 Grab Surface Water	7154125
WS-003(Surface)080713 Grab Surface Water	7154126
WS-018(Surface)080713 Grab Surface Water	7154127
WS-002(Surface)080713 Grab Surface Water	7154128
WS-007(0.5-1.0)080713 Grab Surface Water	7154129
WS-001(0.5-1.0)080713 Grab Surface Water	7154130
WS-TB-118-080713 Water	7154131
WS-EB-23-080713 Grab Water	7154132

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

ELECTRONIC	ARCADIS	Attn: Stephen Barrick
COPY TO		
ELECTRONIC	ARCADIS	Attn: Lyndi Mott

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

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1410013

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 #: G132202AA (Sample number(s): 7154113-7154121, 7154123-7154132 UNSPK: 7154119)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: 2-Butanone

SW-846 8270C SIM, GC/MS Semivolatiles

Batch #: 13221WAG026 (Sample number(s): 7154113-7154121, 7154123-7154130, 7154132 UNSPK: 7154119)

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

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7154114, 7154117, 7154119, 7154123, 7154124, 7154125, 7154126, 7154127, 7154128

Sample #s: 7154114, 7154117, 7154119, 7154123, 7154124, 7154125, 7154126, 7154127, 7154128

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.

EPA 1664A, Wet Chemistry

Batch #: 13225807903A (Sample number(s): 7154113-7154130 UNSPK: 7154119 BKG: 7154119)

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

The duplicate RPD for the following analyte(s) exceeded the acceptance window: HEM (oil & grease)

Sample Description: WS-014(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154113
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07141 SDG#: PEK30-01

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-014(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154113
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07141 SDG#: PEK30-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.012	0.060	1
08357	Acenaphthylene	208-96-8	N.D.	0.012	0.060	1
08357	Anthracene	120-12-7	N.D.	0.012	0.060	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.012	0.060	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.012	0.060	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.012	0.060	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.012	0.060	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.012	0.060	1
08357	Chrysene	218-01-9	N.D.	0.012	0.060	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.012	0.060	1
08357	Fluoranthene	206-44-0	N.D.	0.012	0.060	1
08357	Fluorene	86-73-7	N.D.	0.012	0.060	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.012	0.060	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.012	0.060	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.012	0.060	1
08357	Naphthalene	91-20-3	N.D.	0.036	0.060	1
08357	Phenanthrene	85-01-8	N.D.	0.036	0.060	1
08357	Pyrene	129-00-0	N.D.	0.012	0.060	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	26.0	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0225	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.89	0.0334	0.200	1

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

Sample Description: WS-014(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154113
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07141 SDG#: PEK30-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.73	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 00:06	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 00:06	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 05:02	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:18	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:10	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-014(5.5-6.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154114
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07142 SDG#: PEK30-02

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-014(5.5-6.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154114
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07142 SDG#: PEK30-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	25.7	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	0.0241	0.00033	0.0050	1

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

Sample Description: WS-014(5.5-6.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154114
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07142 SDG#: PEK30-02

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	5.83	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	2.71	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	2.0 J	1.4	5.0	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	G132202AA	08/09/2013 00:27	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 00:27	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 05:31	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:22	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:12	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-014(5.5-6.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154114
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07142 SDG#: PEK30-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-012(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154115
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07121 SDG#: PEK30-03

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-012(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154115
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07121 SDG#: PEK30-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	N.D.	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.054	1
08357	Chrysene	218-01-9	N.D.	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.054	1
08357	Pyrene	129-00-0	N.D.	0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	24.6	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	0.0189	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.58	0.0334	0.200	1

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

Sample Description: WS-012(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154115
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07121 SDG#: PEK30-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.59	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 00:49	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 00:49	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 06:01	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:32	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:18	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-012(5.0-5.5)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154116
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07122 SDG#: PEK30-04

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-012(5.0-5.5)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154116
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07122 SDG#: PEK30-04

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.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	N.D.	0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	25.1	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0620	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.74	0.0334	0.200	1

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

Sample Description: WS-012(5.0-5.5)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154116
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07122 SDG#: PEK30-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.62	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 01:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 01:11	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 06:30	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:36	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:20	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-010(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154117
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07101 SDG#: PEK30-05

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-010(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154117
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07101 SDG#: PEK30-05

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.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	N.D.	0.011	0.053	1

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	23.7	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	0.0320	0.00033	0.0050	1

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

Sample Description: WS-010(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154117
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07101 SDG#: PEK30-05

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	5.37	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	2.50	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 01:33	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 01:33	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 07:00	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:40	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:22	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-010(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154117
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 08:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07101 SDG#: PEK30-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-010(3.5-4.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154118
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07102 SDG#: PEK30-06

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-010(3.5-4.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154118
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07102 SDG#: PEK30-06

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.	0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	N.D.	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.054	1
08357	Chrysene	218-01-9	N.D.	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	N.D.	0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.054	1
08357	Pyrene	129-00-0	N.D.	0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	24.1	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0543	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.46	0.0334	0.200	1

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

Sample Description: WS-010(3.5-4.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154118
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07102 SDG#: PEK30-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.54	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	3.0 J	1.4	5.0	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	G132202AA	08/09/2013 01:54	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 01:54	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 07:29	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:43	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:24	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-006(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154119
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07BKG

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)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154119
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07BKG

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	23.8	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0310	0.00033	0.0050	1

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

Sample Description: WS-006(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154119
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07BKG

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	2.49	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 02:16	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 02:16	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 03:33	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 17:56	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:26	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-006(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154119
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07BKG

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-006(0.5-1.0)080713MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154120
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07MS

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	38	3.0	5.0	1
02898	Allyl Chloride	107-05-1	5.5	0.1	0.5	1
02898	Benzene	71-43-2	5.3	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.1	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.5	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.8	0.1	0.5	1
02898	Bromoform	75-25-2	4.3	0.1	0.5	1
02898	Bromomethane	74-83-9	5.8	0.1	0.5	1
02898	2-Butanone	78-93-3	36	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	5.1	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	5.2	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	5.2	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.4	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.3	0.1	0.5	1
02898	Chloroethane	75-00-3	5.7	0.1	0.5	1
02898	Chloroform	67-66-3	5.4	0.1	0.5	1
02898	Chloromethane	74-87-3	5.7	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.1	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	5.1	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.5	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	5.0	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.9	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.2	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.3	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.2	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	6.2	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.3	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.2	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.5	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.3	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.6	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.9	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.2	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.7	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.4	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.7	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	4.7	0.1	0.5	1
02898	Ethyl ether	60-29-7	4.9	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.3	0.1	0.5	1
02898	Freon 113	76-13-1	5.8	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	5.5	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.4	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.1	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	24	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.1	0.2	0.5	1

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

Sample Description: WS-006(0.5-1.0)080713MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154120
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	5.1	0.1	0.5	1
02898	Styrene	100-42-5	5.1	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.0	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.6	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.9	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	22	2.0	5.0	1
02898	Toluene	108-88-3	5.3	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.9	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	5.2	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.6	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.8	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.6	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.6	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.9	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.1	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.1	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	6.2	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	0.91	0.010	0.051	1
08357	Acenaphthylene	208-96-8	1.1	0.010	0.051	1
08357	Anthracene	120-12-7	0.27	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.73	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.37	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.78	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.66	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.81	0.010	0.051	1
08357	Chrysene	218-01-9	0.85	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.75	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.0	0.010	0.051	1
08357	Fluorene	86-73-7	1.0	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.69	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	0.99	0.031	0.051	1
08357	Phenanthrene	85-01-8	0.97	0.031	0.051	1
08357	Pyrene	129-00-0	0.71	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	42.5	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.154	0.0068	0.0200	1
07046	Barium	7440-39-3	2.02	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0491	0.00076	0.0050	1
01750	Calcium	7440-70-2	9.54	0.0334	0.200	1

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

Sample Description: WS-006(0.5-1.0)080713MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154120
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07MS

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	0.196	0.0016	0.0150	1
07055	Lead	7439-92-1	0.147	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.53	0.0167	0.100	1
07061	Nickel	7440-02-0	0.510	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.141	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0537	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.482	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	33.8	1.4	5.0	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	G132202AA	08/09/2013 02:37	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 02:37	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 04:03	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:07	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:31	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-006(0.5-1.0)080713MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154121
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07MSD

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	37	3.0	5.0	1
02898	Allyl Chloride	107-05-1	5.4	0.1	0.5	1
02898	Benzene	71-43-2	5.3	0.1	0.5	1
02898	Bromobenzene	108-86-1	5.2	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.4	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.9	0.1	0.5	1
02898	Bromoform	75-25-2	4.5	0.1	0.5	1
02898	Bromomethane	74-83-9	5.8	0.1	0.5	1
02898	2-Butanone	78-93-3	36	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	5.4	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.6	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.3	0.1	0.5	1
02898	Chloroethane	75-00-3	5.7	0.1	0.5	1
02898	Chloroform	67-66-3	5.5	0.1	0.5	1
02898	Chloromethane	74-87-3	5.7	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	5.2	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	5.1	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	4.8	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.6	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	4.9	0.1	0.5	1
02898	Dibromomethane	74-95-3	5.0	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	5.2	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	5.3	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	5.3	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	6.2	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	5.4	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	5.3	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	5.3	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.6	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	6.0	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	4.8	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	5.5	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.8	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	5.1	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.8	0.1	0.5	1
02898	Ethyl ether	60-29-7	5.0	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.3	0.1	0.5	1
02898	Freon 113	76-13-1	5.8	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	5.6	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.5	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	5.2	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	24	1.0	5.0	1
02898	Methylene Chloride	75-09-2	5.2	0.2	0.5	1

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

Sample Description: WS-006(0.5-1.0)080713MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154121
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07MSD

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	5.2	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	5.0	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.6	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.9	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	23	2.0	5.0	1
02898	Toluene	108-88-3	5.3	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	5.1	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	5.3	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	5.7	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.8	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.7	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	6.6	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.8	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	5.2	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	5.2	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	6.2	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	0.86	0.011	0.053	1
08357	Acenaphthylene	208-96-8	1.1	0.011	0.053	1
08357	Anthracene	120-12-7	0.25	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	0.74	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	0.39	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	0.79	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	0.69	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	0.82	0.011	0.053	1
08357	Chrysene	218-01-9	0.87	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	0.78	0.011	0.053	1
08357	Fluoranthene	206-44-0	0.98	0.011	0.053	1
08357	Fluorene	86-73-7	0.98	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.72	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	1.1	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	1.1	0.011	0.053	1
08357	Naphthalene	91-20-3	0.98	0.032	0.053	1
08357	Phenanthrene	85-01-8	0.95	0.032	0.053	1
08357	Pyrene	129-00-0	0.68	0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	42.5	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.152	0.0068	0.0200	1
07046	Barium	7440-39-3	2.02	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0495	0.00076	0.0050	1
01750	Calcium	7440-70-2	9.55	0.0334	0.200	1

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

Sample Description: WS-006(0.5-1.0)080713MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154121
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07MSD

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	0.197	0.0016	0.0150	1
07055	Lead	7439-92-1	0.149	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.52	0.0167	0.100	1
07061	Nickel	7440-02-0	0.513	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.140	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0551	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.484	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0010	0.000060	0.00020	1
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	29.9	1.4	5.0	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	G132202AA	08/09/2013 02:59	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 02:59	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 04:32	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:11	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:33	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-006(0.5-1.0)080713DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154122
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07DUP

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	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	0.0314	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.52	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.54	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	1.8 J	1.4	5.0	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	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:03	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:28	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)080713DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154122
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 09:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07006 SDG#: PEK30-07DUP

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-005(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154123
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07005 SDG#: PEK30-08

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

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

Sample Description: WS-005(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154123
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07005 SDG#: PEK30-08

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

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	26.2	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	0.0277	0.00033	0.0050	1

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

Sample Description: WS-005(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154123
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07005 SDG#: PEK30-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.19	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	2.62	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 03:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 03:20	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 07:59	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:47	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:35	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-005(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154123
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07005 SDG#: PEK30-08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-011(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154124
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07111 SDG#: PEK30-09

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

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

Sample Description: WS-011(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154124
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07111 SDG#: PEK30-09

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	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	25.5	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0187	0.00033	0.0050	1

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

Sample Description: WS-011(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154124
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07111 SDG#: PEK30-09

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**	
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	5.81		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	2.68		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
Wet Chemistry	**EPA 1664A**		**mg/l**		**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	1.7	J	1.4	5.0	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	G132202AA	08/09/2013 03:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 03:42	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 08:28	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:51	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:37	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-011(1.5-2.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154124
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:20 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07111 SDG#: PEK30-09

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-011(5.0-5.5)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154125
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07112 SDG#: PEK30-10

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-011(5.0-5.5)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154125
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07112 SDG#: PEK30-10

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

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

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	25.8	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0244	0.00033	0.0050	1

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

Sample Description: WS-011(5.0-5.5)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154125
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07112 SDG#: PEK30-10

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	5.90	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	2.70	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	3.4 J	1.4	5.0	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	G132202AA	08/09/2013 04:03	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 04:03	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 08:58	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:54	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:43	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: **WS-011(5.0-5.5)080713 Grab Surface Water**
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154125
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07112 SDG#: PEK30-10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-003(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154126
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07003 SDG#: PEK30-11

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-003(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154126
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07003 SDG#: PEK30-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.051	1
08357	Anthracene	120-12-7	N.D.	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.051	1
08357	Chrysene	218-01-9	N.D.	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.051	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.051	1
08357	Fluorene	86-73-7	N.D.	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.051	1
08357	Pyrene	129-00-0	N.D.	0.010	0.051	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	25.9	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	0.0427	0.00033	0.0050	1

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

Sample Description: WS-003(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154126
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07003 SDG#: PEK30-11

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	5.87		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	2.73		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
Wet Chemistry	**EPA 1664A**		**mg/l**		**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	1.5	J	1.4	5.0	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	G132202AA	08/09/2013 04:25	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 04:25	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 09:27	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 18:58	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:45	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-003(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154126
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07003 SDG#: PEK30-11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-018(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154127
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07018 SDG#: PEK30-12

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-018(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154127
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07018 SDG#: PEK30-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.050	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.050	1
08357	Anthracene	120-12-7	N.D.	0.010	0.050	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.050	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.050	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.050	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.050	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.050	1
08357	Chrysene	218-01-9	N.D.	0.010	0.050	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.050	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.050	1
08357	Fluorene	86-73-7	N.D.	0.010	0.050	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.050	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.050	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.050	1
08357	Naphthalene	91-20-3	N.D.	0.030	0.050	1
08357	Phenanthrene	85-01-8	N.D.	0.030	0.050	1
08357	Pyrene	129-00-0	N.D.	0.010	0.050	1
	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	26.3	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	0.0945	0.00033	0.0050	1

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

Sample Description: WS-018(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154127
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07018 SDG#: PEK30-12

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	5.96	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	2.77	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 04:47	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 04:47	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 09:57	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 19:01	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:47	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-018(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154127
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 10:50 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07018 SDG#: PEK30-12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-002(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154128
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07002 SDG#: PEK30-13

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)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154128
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07002 SDG#: PEK30-13

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	25.5	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0363	0.00033	0.0050	1

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

Sample Description: WS-002(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154128
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07002 SDG#: PEK30-13

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	5.87	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	2.64	0.0167	0.100	1
07061	Nickel	7440-02-0	N.D.	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 05:09	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 05:09	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 10:26	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 19:05	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:49	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1

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

Sample Description: WS-002(Surface)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154128
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:10 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07002 SDG#: PEK30-13

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-007(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154129
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07007 SDG#: PEK30-14

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-007(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154129
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07007 SDG#: PEK30-14

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	0.4	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.		0.010	0.051	1
08357	Acenaphthylene	208-96-8	N.D.		0.010	0.051	1
08357	Anthracene	120-12-7	0.013	J	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.016	J	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.012	J	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	0.026	J	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.015	J	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.021	J	0.010	0.051	1
08357	Chrysene	218-01-9	0.031	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	0.056		0.010	0.051	1
08357	Fluorene	86-73-7	N.D.		0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.011	J	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	N.D.		0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	N.D.		0.010	0.051	1
08357	Naphthalene	91-20-3	N.D.		0.031	0.051	1
08357	Phenanthrene	85-01-8	N.D.		0.031	0.051	1
08357	Pyrene	129-00-0	0.040	J	0.010	0.051	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	20.5		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.		0.0068	0.0200	1
07046	Barium	7440-39-3	0.0690		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

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

Sample Description: WS-007(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154129
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:30 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07007 SDG#: PEK30-14

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	0.0067 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0203	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.33	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0062 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	0.0087	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 05:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 05:31	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 10:56	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 19:15	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:51	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-001(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154130
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07001 SDG#: PEK30-15

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(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154130
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07001 SDG#: PEK30-15

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	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	28.9	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0134 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0802	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.87	0.0334	0.200	1

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

Sample Description: WS-001(0.5-1.0)080713 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154130
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 11:40 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07001 SDG#: PEK30-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0058 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0119 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.84	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0059 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0059	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
Wet Chemistry	**EPA 1664A**		**mg/l**	**mg/l**	**mg/l**	
08079	HEM (oil & grease)	n.a.	N.D.	1.4	5.0	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	G132202AA	08/09/2013 05:52	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/09/2013 05:52	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 11:25	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 19:19	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:53	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1
08079	HEM (oil & grease)	EPA 1664A	1	13225807903A	08/13/2013 16:57	Michelle L Lalli	1

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

Sample Description: WS-TB-118-080713 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154131
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07118 SDG#: PEK30-16TB

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-118-080713 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154131
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07118 SDG#: PEK30-16TB

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	G132202AA	08/08/2013 22:39	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/08/2013 22:39	Sara E Johnson	1

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

Sample Description: WS-EB-23-080713 Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154132
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 14:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07E23 SDG#: PEK30-17EB*

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-EB-23-080713 Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154132
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 14:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07E23 SDG#: PEK30-17EB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	0.36	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	N.D.	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	0.145 J	0.0334	0.200	1

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

Sample Description: WS-EB-23-080713 Grab Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7154132
LL Group # 1410013
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 08/07/2013 14:00 by JW

Submitted: 08/08/2013 09:50
Reported: 08/14/2013 13:49

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

07E23 SDG#: PEK30-17EB*

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	N.D.	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	G132202AA	08/08/2013 23:00	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	G132202AA	08/08/2013 23:00	Sara E Johnson	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13221WAG026	08/10/2013 11:54	Brian K Graham	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13221WAG026	08/09/2013 17:05	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132246256001	08/12/2013 05:18	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07046	Barium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07049	Cadmium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
01750	Calcium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07051	Chromium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07055	Lead	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
01757	Magnesium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07061	Nickel	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07036	Selenium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07066	Silver	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
07071	Vanadium	SW-846 6010B	1	132201848003	08/11/2013 19:23	John P Hook	1
00259	Mercury	SW-846 7470A	1	132205713003	08/11/2013 23:55	Parker D Lindstrom	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	132201848003	08/09/2013 07:30	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	132205713003	08/08/2013 16:00	Nelli S Markaryan	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1410013
Reported: 08/14/13 at 01:49 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: G132202AA	Sample number(s): 7154113-7154121,7154123-7154132								
Acetone	N.D.	3.0	5.0	ug/l	123		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	101		61-130		
Benzene	N.D.	0.1	0.5	ug/l	101		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	102		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	107		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	95		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	88		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	110		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	137*		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	98		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	98		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	102		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	105		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	105		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	105		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	100		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	98		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	126		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	92		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	97		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	103		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	103		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	102		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	112		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	100		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	106		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	99		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	101		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	104		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	111		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	102		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	99		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	105		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	97		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	100		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	101		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	101		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	104		61-125		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1410013
Reported: 08/14/13 at 01:49 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	102		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	97		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	100		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	97		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	96		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	93		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	109		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	129		65-131		
Toluene	N.D.	0.1	0.5	ug/l	100		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	98		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	103		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	103		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	98		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	115		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	99		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	99		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	111		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	101		80-120		
Batch number: 13221WAG026	Sample number(s): 7154113-7154121,7154123-7154130,7154132								
Acenaphthene	N.D.	0.010	0.050	ug/l	104		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	111		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	110		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	97		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	103		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	96		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	97		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	106		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	101		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	94		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	112		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	100		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	94		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	112		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	109		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	100		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	100		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	95		71-116		
Batch number: 132201848003	Sample number(s): 7154113-7154130,7154132								
Arsenic	N.D.	0.0068	0.0200	mg/l	100		90-113		
Barium	N.D.	0.00033	0.0050	mg/l	98		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	97		90-112		
Calcium	0.0976 J	0.0334	0.200	mg/l	99		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	96		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	96		88-110		
Magnesium	0.0234 J	0.0167	0.100	mg/l	95		90-110		
Nickel	N.D.	0.0015	0.0100	mg/l	101		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	95		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	108		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	95		90-110		

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1410013
Reported: 08/14/13 at 01:49 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 132205713003	Sample number(s): 7154113-7154130,7154132								
Mercury	N.D.	0.00006 0	0.00020	mg/l	103		80-120		
Batch number: 13225807903A	Sample number(s): 7154113-7154130								
HEM (oil & grease)	N.D.	1.4	5.0	mg/l	93	88	78-114	6	16

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: G132202AA	Sample number(s): 7154113-7154121,7154123-7154132 UNSPK: 7154119								
Acetone	102	100	57-163	3	30				
Allyl Chloride	109	108	67-139	1	30				
Benzene	105	107	87-126	1	30				
Bromobenzene	103	105	80-123	2	30				
Bromochloromethane	109	109	82-125	0	30				
Bromodichloromethane	95	98	82-133	3	30				
Bromoform	87	90	60-138	3	30				
Bromomethane	116	116	41-145	0	30				
2-Butanone	97	96	63-146	1	30				
n-Butylbenzene	102	104	83-131	2	30				
sec-Butylbenzene	105	106	84-128	2	30				
tert-Butylbenzene	104	107	84-135	3	30				
Carbon Tetrachloride	109	112	81-148	3	30				
Chlorobenzene	106	107	78-133	1	30				
Chloroethane	115	113	70-139	2	30				
Chloroform	109	110	86-136	1	30				
Chloromethane	114	114	55-152	0	30				
2-Chlorotoluene	103	103	81-120	1	30				
4-Chlorotoluene	102	102	82-119	1	30				
1,2-Dibromo-3-chloropropane	95	96	43-143	1	30				
Dibromochloromethane	91	92	79-125	2	30				
1,2-Dibromoethane	100	98	84-127	2	30				
Dibromomethane	98	100	83-126	2	30				
1,2-Dichlorobenzene	104	105	83-117	1	30				
1,3-Dichlorobenzene	105	107	81-118	2	30				
1,4-Dichlorobenzene	104	106	79-120	1	30				
Dichlorodifluoromethane	124	124	28-136	0	30				
1,1-Dichloroethane	105	108	88-136	2	30				
1,2-Dichloroethane	103	105	82-135	2	30				
1,1-Dichloroethene	110	111	83-150	1	30				
cis-1,2-Dichloroethene	106	106	82-129	0	30				
trans-1,2-Dichloroethene	112	113	88-127	1	30				
Dichlorofluoromethane	118	120	59-176	2	30				
1,2-Dichloropropane	104	105	91-126	2	30				
1,3-Dichloropropane	94	96	80-127	2	30				
2,2-Dichloropropane	108	110	80-134	2	30				
1,1-Dichloropropene	114	116	86-139	2	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1410013
Reported: 08/14/13 at 01:49 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
cis-1,3-Dichloropropene	99	101	74-132	3	30				
trans-1,3-Dichloropropene	94	95	71-128	1	30				
Ethyl ether	98	100	67-127	2	30				
Ethylbenzene	106	107	80-140	1	30				
Freon 113	115	115	87-158	0	30				
Hexachlorobutadiene	111	112	65-128	1	30				
Isopropylbenzene	108	109	81-133	1	30				
p-Isopropyltoluene	102	104	84-124	2	30				
Methyl Tertiary Butyl Ether	98	98	82-132	0	30				
4-Methyl-2-Pentanone	96	97	69-149	1	30				
Methylene Chloride	103	103	84-122	1	30				
n-Propylbenzene	103	104	79-131	1	30				
Styrene	103	103	63-151	1	30				
1,1,1,2-Tetrachloroethane	99	101	87-126	2	30				
1,1,2,2-Tetrachloroethane	92	92	75-131	0	30				
Tetrachloroethene	118	119	75-129	1	30				
Tetrahydrofuran	89	91	56-154	2	30				
Toluene	105	106	83-127	1	30				
1,2,3-Trichlorobenzene	99	101	73-125	3	30				
1,2,4-Trichlorobenzene	104	106	77-120	2	30				
1,1,1-Trichloroethane	112	114	85-140	2	30				
1,1,2-Trichloroethane	96	97	85-129	0	30				
Trichloroethene	113	113	85-131	1	30				
Trichlorofluoromethane	131	132	67-161	1	30				
1,2,3-Trichloropropane	98	95	76-120	2	30				
1,2,4-Trimethylbenzene	103	104	87-126	1	30				
1,3,5-Trimethylbenzene	103	104	89-129	1	30				
Vinyl Chloride	124	124	65-151	0	30				
Xylene (Total)	105	107	81-137	1	30				
Batch number: 13221WAG026	Sample number(s): 7154113-7154121,7154123-7154130,7154132 UNSPK: 7154119								
Acenaphthene	88	82	59-127	5	30				
Acenaphthylene	106	101	33-146	3	30				
Anthracene	27*	23*	69-119	10	30				
Benzo(a)anthracene	71	70	67-124	1	30				
Benzo(a)pyrene	36*	37*	64-123	4	30				
Benzo(b)fluoranthene	76	75	61-133	1	30				
Benzo(g,h,i)perylene	65	66	36-138	4	30				
Benzo(k)fluoranthene	79	78	59-128	1	30				
Chrysene	83	82	62-118	1	30				
Dibenz(a,h)anthracene	73	74	32-141	4	30				
Fluoranthene	98	93	65-123	3	30				
Fluorene	97	93	69-124	3	30				
Indeno(1,2,3-cd)pyrene	67	69	29-143	4	30				
1-Methylnaphthalene	108	103	67-117	2	30				
2-Methylnaphthalene	104	101	71-126	1	30				
Naphthalene	96	93	58-131	1	30				
Phenanthrene	94	90	67-117	2	30				
Pyrene	69	64	59-125	4	30				
Batch number: 132201848003	Sample number(s): 7154113-7154130,7154132 UNSPK: 7154119 BKG: 7154119								
Arsenic	103	101	81-123	2	20	N.D.	N.D.	0 (1)	20

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Quality Control Summary

Client Name: ExxonMobil Group Number: 1410013
Reported: 08/14/13 at 01:49 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
Barium	100	100	78-118	0	20	0.0310	0.0314	1	20
Cadmium	98	99	83-116	1	20	N.D.	N.D.	0 (1)	20
Calcium	103	103	81-118	0	20	5.42	5.52	2	20
Chromium	98	99	81-120	1	20	N.D.	N.D.	0 (1)	20
Lead	98	99	75-125	1	20	N.D.	N.D.	0 (1)	20
Magnesium	102	102	75-125	0	20	2.49	2.54	2	20
Nickel	102	103	86-115	1	20	N.D.	N.D.	0 (1)	20
Selenium	94	93	75-125	0	20	N.D.	N.D.	0 (1)	20
Silver	107	110	75-125	3	20	N.D.	N.D.	0 (1)	20
Vanadium	96	97	90-111	1	20	N.D.	N.D.	0 (1)	20
Batch number: 132205713003	Sample number(s): 7154113-7154130,7154132 UNSPK: 7154119 BKG: 7154119								
Mercury	105	103	80-120	2	20	N.D.	N.D.	0 (1)	20
Batch number: 13225807903A	Sample number(s): 7154113-7154130 UNSPK: 7154119 BKG: 7154119								
HEM (oil & grease)	76*	67*	78-114	12	29	N.D.	1.8 J	200* (1)	18

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: G132202AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7154113	101	100	99	98
7154114	101	98	98	97
7154115	100	99	98	97
7154116	102	99	99	97
7154117	101	100	98	96
7154118	102	100	98	96
7154119	101	100	98	97
7154120	102	99	99	97
7154121	101	98	99	97
7154123	102	99	99	98
7154124	102	99	98	97
7154125	102	100	98	98
7154126	101	99	98	96
7154127	101	98	98	97
7154128	102	100	98	97
7154129	102	100	98	97
7154130	101	98	98	98
7154131	101	99	98	98
7154132	101	100	99	99
Blank	100	99	98	98
LCS	100	99	99	97
MS	102	99	99	97
MSD	101	98	99	97

*- Outside of specification
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Quality Control Summary

Client Name: ExxonMobil Group Number: 1410013
Reported: 08/14/13 at 01:49 PM

Surrogate Quality Control

Limits:	77-114	74-113	77-110	78-110

Analysis Name: PAHs in waters by SIM
Batch number: 13221WAG026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7154113	91	80	111
7154114	89	51*	101
7154115	94	75	108
7154116	98	63	110
7154117	91	60*	103
7154118	91	67	106
7154119	86	52*	105
7154120	92	62	108
7154121	88	64	105
7154123	91	58*	107
7154124	95	52*	105
7154125	90	38*	107
7154126	93	48*	103
7154127	87	57*	101
7154128	79	54*	83
7154129	75	84	106
7154130	89	63	106
7154132	101	101	108
Blank	97	95	108
LCS	103	105	114
MS	92	62	108
MSD	88	64	105
Limits:	64-120	62-141	58-134

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ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only
Acct. # 14739 Group # 1410013 Sample # 7154113-32
Instructions on reverse side correspond with circled numbers.

1 of 2

1 Client Information

Facility #/SID: MAYFLOWER PIPELINE INCIDENT
Site Address: MAYFLOWER, AR
ExxonMobil PM: SCOTT BIGHROE
Cost Center/AFE:
Consultant/Office: ARCADIS
Consultant PM: STEVE BARRICK
Consultant Phone #: 919 202 6799
Sampler: J. WALDRON / M. LONG

SCR#:

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

3 Grab / Composite

2 Sample Identification / Collected Date / Time

5 Analyses Requested — Preservation Code

Sample Identification	Date	Time	Grab	Composite	Total # of Containers	VOC's 8260 B	PAH's 8270 SIM	RCRA Metals + V, Ni, Sr, Li, Mo	Diss. Metals	HEM Oil & Grease
						H		N		H
WS-014 (1.5-2.0) 080713	8/7/13	810	X		9	X	X	X	X	X
WS-014 (5.5-6.0) 080713	8/7/13	820	X		9	X	X	X	X	X
WS-012 (1.5-2.0) 080713	8/7/13	830	X		9	X	X	X	X	X
WS-012 (5.0-5.5) 080713	8/7/13	840	X		9	X	X	X	X	X
WS-010 (1.5-2.0) 080713	8/7/13	850	X		9	X	X	X	X	X
WS-010 (3.5-4.0) 080713	8/7/13	900	X		9	X	X	X	X	X
WS-006 (0.5-1.0) 080713	8/7/13	910	X		9	X	X	X	X	X
WS-006 (0.5-1.0) 080713-MS/MSD	8/7/13	910	X		18	X	X	X	X	X
WS-005 (surface) 080713	8/7/13	1000	X		9	X	X	X	X	X
WS-011 (1.5-2.0) 080713	8/7/13	1020	X		9	X	X	X	X	X
WS-011 (5.0-5.5) 080713	8/7/13	1030	X		9	X	X	X	X	X
WS-003 (surface) 080713	8/7/13	1040	X		9	X	X	X	X	X

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

6 Remarks
Lab to filter and preserve diss. metals upon receipt.

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
	8/7/13	1600			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ✓ FedEx ____ Other ____			Received by	8/8/13	0950

Temperature Upon Receipt 0.7-3.2 °C

Custody Seals Intact? Yes No

9

ExxonMobil Analysis Request/Chain of Custody

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Acct. # 14739 Group # 1410013 Sample # 715413-32
Instructions on reverse side correspond with circled numbers.

2 of 2

1 Client Information

Facility #/SID: MAYFLOWER PIPELINE INCIDENT
Site Address: MAYFLOWER, AR.
ExxonMobil PM: SCOTT BUSHROE
Cost Center/AFE:
Consultant/Office: ARCADIS
Consultant PM: STEVE BARRICK
Consultant Phone #: 919 202 6799
Sampler: J. WALDRON / M. LONG

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

3 Grab / Composite

5 Analyses Requested — Preservation Code

SCR#:

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

6 Remarks

2 Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	VOC's 8260B (H)	PAH's 8270 SIM (H)	RCRA Metals + Hardness V,Ni,Ca,Mg (N)	Diss Metals (H)	HEM Oil & Grease (H)
WS-018 (surface) 080713	8/7/13	1050	X		9	X	X	X	X	X
WS-002 (surface) 080713	8/7/13	1110	X		9	X	X	X	X	X
WS-007 (0.5-1@) 080713	8/7/13	1130	X		9	X	X	X	X	X
WS-001 (0.5-1@) 080713	8/7/13	1140	X		9	X	X	X	X	X
WS-TB-118-080713	8/7/13	—	X		2	X				
WS-EB-23-080713	8/7/13	1400	X		7	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
	8/7/13	1600			
Relinquished by Commercial Carrier: UPS ✓ FedEx ___ Other ___				8/8/13	0950

Temperature Upon Receipt 0.7-3.2 °C

Custody Seals Intact? (Yes) No

9

Rachel L. Kreamer A# 14739 Gr# 1410013 Sample 7154113-32

From: Mott, Lyndi [Lyndi.Mott@arcadis-us.com]
Sent: Thursday, August 08, 2013 2:34 PM
To: Rachel L. Kreamer
Cc: Kathy Klinefelter
Subject: RE: Confirming Collection time on a Surface Water received today

The correct time is 1000.

Lyndi Mott

-----Original Message-----
From: Rachel L. Kreamer [mailto:RKreamer@lancasterlabs.com]
Sent: Thursday, August 08, 2013 1:31 PM
To: Mott, Lyndi
Cc: Kathy Klinefelter
Subject: Confirming Collection time on a Surface Water received today

Lyndi,

Two of the vials collected for WS-005(surface080713) have a collection time of 1010. The chain says 1000. Which is the correct time?

Thanks
Rachel

-----Original Message-----
From: 39Scanner@lancasterlabs.com [mailto:39Scanner@lancasterlabs.com]
Sent: Thursday, August 08, 2013 2:28 PM
To: Rachel L. Kreamer
Subject:

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

Scan Date: 08.08.2013 14:27:30 (-0400)
Queries to: 39Scanner@lancasterlabs.com

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Environmental Sample Administration Receipt Documentation Log

1410013

Client/Project: Mayflower

Date of Receipt: 8/8/13

Time of Receipt: 0950

Source Code: 60-1

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	1.0	TB	WI	Y	B	
2	↓	1.8	↓	↓	↓	↓	
3		1.0					
4		3.2					
5		1.4					
6		1.0					

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

Paperwork Discrepancy/Unpacking Problems:

Received 2 vials for WS-005 with collection time 1010

Unpacker Signature/Emp#: 3647 **Date/Time:** 8/8/13 1032

Issued by Dept. 6042 Management

2174.06

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Environmental Sample Administration Receipt Documentation Log

1410013

Client/Project: Mayflower

Date of Receipt: 8/8/13

Time of Receipt: 0955

Source Code: 60-1

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	0.7	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 3647 **Date/Time:** 8/8/13 1032

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

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