ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 23, 2013

Project: Mayflower, AR Pipeline Incident

Submittal Date: 07/15/2013
Group Number: 1404076
SDG: PEJ05
PO Number: 4510076246
Release Number: MAYFLOWER 1406
State of Sample Origin: AR

Client Sample Description	Lancaster Labs (LL) #
WS-003(SURFACE)071313 Grab Surface Water	7127249
WS-002(SURFACE)071313 Grab Surface Water	7127250
WS-005(SURFACE)071313 Grab Surface Water	7127251
WS-001(SURFACE)071313 Grab Surface Water	7127252
WS-001(0.5-1.0)071313 Grab Surface Water	7127253
WS-004(SURFACE)071313 Grab Surface Water	7127254
WS-004(0.5-1.0)071313 Grab Surface Water	7127255
WS-007(SURFACE)071313 Grab Surface Water	7127256
WS-007(0.5-1.0)071313 Grab Surface Water	7127257
WS-006(SURFACE)071413 Grab Surface Water	7127258
WS-006(0.5-1.0)071413 Grab Surface Water	7127259
WS-003(SURFACE)071413 Grab Surface Water	7127260
WS-002(SURFACE)071413 Grab Surface Water	7127261
WS-005(SURFACE)071413 Grab Surface Water	7127262
WS-001(SURFACE)071413 Grab Surface Water	7127263
WS-001(0.5-1.0)071413 Grab Surface Water	7127264
WS-004(SURFACE)071413 Grab Surface Water	7127265
WS-004(0.5-1.0)071413 Grab Surface Water	7127266
WS-007(SURFACE)071413 Grab Surface Water	7127267
WS-007(SURFACE)071413 MS Grab Surface Water	7127268
WS-007(SURFACE)071413 MSD Grab Surface Water	7127269
WS-007(SURFACE)071413 DUP Grab Surface Water	7127270
WS-007(0.5-1.0)071413 Grab Surface Water	7127271
WS-006(SURFACE)071313 Grab Surface Water	7127272
WS-006(0.5-1.0)071313 Grab Surface Water	7127273
WS-DUP-55-071313 Grab Surface Water	7127274
WS-TB-96-071413 Water	7127275

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

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

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

Project Name: Mayflower, AR Pipeline Incident
LLI Group #: 1404076

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 #: H131971AA (Sample number(s): 7127249-7127254 UNSPK: 7127249)

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

Batch #: I131971AA (Sample number(s): 7127267-7127269 UNSPK: 7127267)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: 2-Butanone, Tetrahydrofuran, 1,2-Dibromo-3-chloropropane, Methyl Tertiary Butyl Ether, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Ethyl ether

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Tetrahydrofuran

SW-846 8270C SIM, GC/MS Semivolatiles

Batch #: 13197WAE026 (Sample number(s): 7127249-7127255, 7127257-7127265)

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7127249, 7127250, 7127251, 7127252, 7127257, 7127258, 7127259, 7127260, 7127261, 7127262, 7127263, 7127264, 7127265

Batch #: 13200WAB026 (Sample number(s): 7127256, 7127266)

The recovery(ies) for one or more surrogates were outside of the QC window for sample(s) 7127256

Sample #s: 7127249, 7127250, 7127251, 7127252, 7127256, 7127258, 7127259, 7127260, 7127261, 7127262, 7127263, 7127264, 7127265

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

SW-846 6010B, Metals

Batch #: 131971848005 (Sample number(s): 7127249-7127271 UNSPK: 7127267 BKG: 7127267)

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

Sample Description: WS-003(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127249
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 09:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-3713 SDG#: PEJ05-01

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

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

Sample Description: WS-003(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127249
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 09:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-3713 SDG#: PEJ05-01

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.	0.011	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	0.28	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	27.2	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	0.0404	0.00033	0.0050	1

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

Sample Description: WS-003(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127249
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 09:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-3713 SDG#: PEJ05-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.10	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.92	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0021 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	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	H131971AA	07/16/2013 10:42	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131971AA	07/16/2013 10:42	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 09:10	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 12:56	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713008	07/17/2013 04:38	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713008	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-002(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127250
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 09:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-2713 SDG#: PEJ05-02

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

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

Sample Description: WS-002(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127250
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 09:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-2713 SDG#: PEJ05-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.054	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.054	1
08357	Anthracene	120-12-7	N.D.	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.054	1
08357	Chrysene	218-01-9	N.D.	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.054	1
08357	Fluoranthene	206-44-0	N.D.	0.011	0.054	1
08357	Fluorene	86-73-7	N.D.	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.054	1
08357	Naphthalene	91-20-3	0.23	0.033	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.033	0.054	1
08357	Pyrene	129-00-0	N.D.	0.011	0.054	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	27.1	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0068 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0568	0.00033	0.0050	1

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

Sample Description: WS-002(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127250
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 09:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-2713 SDG#: PEJ05-02

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	6.18	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	2.83	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	H131971AA	07/16/2013 11:02	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131971AA	07/16/2013 11:02	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 09:40	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:00	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713008	07/17/2013 04:40	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713008	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-005(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127251
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-5713 SDG#: PEJ05-03

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

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

Sample Description: WS-005(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127251
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-5713 SDG#: PEJ05-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	1
08357	Acenaphthylene	208-96-8	N.D.	0.010	0.052	1
08357	Anthracene	120-12-7	N.D.	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	0.052	1
08357	Chrysene	218-01-9	N.D.	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	N.D.	0.010	0.052	1
08357	Fluorene	86-73-7	N.D.	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	0.052	1
08357	Naphthalene	91-20-3	0.080	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	25.3	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	0.0184	0.00033	0.0050	1

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

Sample Description: WS-005(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127251
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

-5713 SDG#: PEJ05-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.91	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.55	0.0167	0.100	1
07061	Nickel	7440-02-0	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	H131971AA	07/16/2013 11:23	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131971AA	07/16/2013 11:23	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 10:09	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:12	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713008	07/17/2013 04:49	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713008	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-001(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127252
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

1S713 SDG#: PEJ05-04

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

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

Sample Description: WS-001(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127252
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

1S713 SDG#: PEJ05-04

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	0.16	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	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	0.0273	0.00033	0.0050	1

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

Sample Description: WS-001(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127252
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

1S713 SDG#: PEJ05-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.95	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	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

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	H131971AA	07/16/2013 12:04	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131971AA	07/16/2013 12:04	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 10:39	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:16	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713008	07/17/2013 04:51	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713008	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127253
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:50 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

10713 SDG#: PEJ05-05

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

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

Sample Description: WS-001(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127253
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:50 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

10713 SDG#: PEJ05-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	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	0.091	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	N.D.	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	26.4	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0078 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0277	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.03	0.0334	0.200	1

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

Sample Description: WS-001(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127253
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 10:50 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

10713 SDG#: PEJ05-05

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**	
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	2.75	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	H131971AA	07/16/2013 12:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131971AA	07/16/2013 12:25	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 11:08	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:20	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:03	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-004(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127254
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 11:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

4S713 SDG#: PEJ05-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.5	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.		1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	0.5	1

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

Sample Description: WS-004(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127254
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 11:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

4S713 SDG#: PEJ05-06

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	0.053	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	0.012 J	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	0.053	1
08357	Naphthalene	91-20-3	0.15	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	20.0	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	0.0459	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	4.73	0.0334	0.200	1

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

Sample Description: WS-004(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127254
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 11:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

4S713 SDG#: PEJ05-06

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	1.98	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0030 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	0.0035 J	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131971AA	07/16/2013 12:45	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131971AA	07/16/2013 12:45	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 11:38	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:24	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:05	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127255
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 11:15 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

40713 SDG#: PEJ05-07

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

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

Sample Description: WS-004(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127255
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 11:15 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

40713 SDG#: PEJ05-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	8.7	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	N.D.	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	0.053	1
08357	Chrysene	218-01-9	N.D.	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	0.014 J	0.011	0.053	1
08357	Fluorene	86-73-7	N.D.	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	0.014 J	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	0.015 J	0.011	0.053	1
08357	Naphthalene	91-20-3	0.12	0.032	0.053	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.053	1
08357	Pyrene	129-00-0	0.012 J	0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	23.3	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0108 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0813	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.26	0.0334	0.200	1

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

Sample Description: WS-004(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127255
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 11:15 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

40713 SDG#: PEJ05-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0058 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0179	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.47	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	0.0094	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	H131981AA	07/17/2013 11:59	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 11:59	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 12:08	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:28	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:07	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127256
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 12:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S713 SDG#: PEJ05-08

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

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

Sample Description: WS-007(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127256
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 12:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S713 SDG#: PEJ05-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	0.2 J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.26	0.010	0.051	1
08357	Acenaphthylene	208-96-8	0.30	0.010	0.051	1
08357	Anthracene	120-12-7	0.32	0.010	0.051	1
08357	Benzo(a)anthracene	56-55-3	0.58	0.010	0.051	1
08357	Benzo(a)pyrene	50-32-8	0.67	0.010	0.051	1
08357	Benzo(b)fluoranthene	205-99-2	2.0	0.010	0.051	1
08357	Benzo(g,h,i)perylene	191-24-2	0.60	0.010	0.051	1
08357	Benzo(k)fluoranthene	207-08-9	0.70	0.010	0.051	1
08357	Chrysene	218-01-9	1.2	0.010	0.051	1
08357	Dibenz(a,h)anthracene	53-70-3	0.15	0.010	0.051	1
08357	Fluoranthene	206-44-0	1.2	0.010	0.051	1
08357	Fluorene	86-73-7	0.29	0.010	0.051	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.66	0.010	0.051	1
08357	1-Methylnaphthalene	90-12-0	0.090	0.010	0.051	1
08357	2-Methylnaphthalene	91-57-6	0.11	0.010	0.051	1
08357	Naphthalene	91-20-3	0.20	0.030	0.051	1
08357	Phenanthrene	85-01-8	0.54	0.030	0.051	1
08357	Pyrene	129-00-0	1.3	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	29.6	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0151 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.167	0.00033	0.0050	1

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

Sample Description: WS-007(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127256
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 12:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S713 SDG#: PEJ05-08

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	0.0120 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0230	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.43	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0162	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	0.0225	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	H131981AA	07/17/2013 12:19	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 12:19	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13200WAB026	07/22/2013 19:02	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	2	13200WAB026	07/19/2013 13:30	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:32	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:09	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127257
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 12:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

70713 SDG#: PEJ05-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	Acetone	67-64-1	6.6		3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	1.4	J	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.		0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.		1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.		0.2	0.5	1

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

Sample Description: WS-007(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127257
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 12:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

70713 SDG#: PEJ05-09

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	2.8		0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.057		0.011	0.055	1
08357	Acenaphthylene	208-96-8	0.063		0.011	0.055	1
08357	Anthracene	120-12-7	0.084		0.011	0.055	1
08357	Benzo(a)anthracene	56-55-3	0.11		0.011	0.055	1
08357	Benzo(a)pyrene	50-32-8	0.11		0.011	0.055	1
08357	Benzo(b)fluoranthene	205-99-2	0.26		0.011	0.055	1
08357	Benzo(g,h,i)perylene	191-24-2	0.11		0.011	0.055	1
08357	Benzo(k)fluoranthene	207-08-9	0.18		0.011	0.055	1
08357	Chrysene	218-01-9	0.23		0.011	0.055	1
08357	Dibenz(a,h)anthracene	53-70-3	0.036	J	0.011	0.055	1
08357	Fluoranthene	206-44-0	0.31		0.011	0.055	1
08357	Fluorene	86-73-7	0.060		0.011	0.055	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.14		0.011	0.055	1
08357	1-Methylnaphthalene	90-12-0	0.031	J	0.011	0.055	1
08357	2-Methylnaphthalene	91-57-6	0.042	J	0.011	0.055	1
08357	Naphthalene	91-20-3	0.12		0.033	0.055	1
08357	Phenanthrene	85-01-8	0.094		0.033	0.055	1
08357	Pyrene	129-00-0	0.29		0.011	0.055	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	223		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.120		0.0068	0.0200	1
07046	Barium	7440-39-3	2.29		0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0069		0.00076	0.0050	1
01750	Calcium	7440-70-2	29.9		0.0334	0.200	1

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

Sample Description: WS-007(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127257
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 12:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

70713 SDG#: PEJ05-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.281	0.0016	0.0150	1
07055	Lead	7439-92-1	0.587	0.0047	0.0150	1
01757	Magnesium	7439-95-4	36.0	0.0167	0.100	1
07061	Nickel	7440-02-0	0.300	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0069	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.417	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00013 J	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	H131981AA	07/17/2013 13:21	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 13:21	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 13:07	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:35	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:11	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-006(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127258
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:30 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

6S714 SDG#: PEJ05-10

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

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

Sample Description: WS-006(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127258
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:30 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

6S714 SDG#: PEJ05-10

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	0.054	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	0.18	0.032	0.054	1
08357	Phenanthrene	85-01-8	N.D.	0.032	0.054	1
08357	Pyrene	129-00-0	0.079	0.011	0.054	1

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

Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	26.3	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0068 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0339	0.00033	0.0050	1

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

Sample Description: WS-006(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127258
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:30 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

6S714 SDG#: PEJ05-10

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	6.02	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	2.74	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0019 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	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	H131981AA	07/17/2013 13:41	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 13:41	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 13:37	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:39	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:13	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127259
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

60714 SDG#: PEJ05-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l		ug/l	ug/l	
02898	Acetone	67-64-1	3.1	J	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.		0.1	0.5	1
02898	Benzene	71-43-2	N.D.		0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.		0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.		0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.		0.1	0.5	1
02898	Bromoform	75-25-2	N.D.		0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.		0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.		1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.		0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.		0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.		0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.		0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.		0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.		0.1	0.5	1
02898	Chloroform	67-66-3	N.D.		0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.		0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.		0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.		0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.		0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.		0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.		0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.		0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.		0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.		0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.		0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.		0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.		0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.		0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.		0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.		0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.		0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.		0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.		0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.		0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.		0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.		0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.		0.1	0.5	1
02898	Freon 113	76-13-1	N.D.		0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.		0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.		0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	0.8		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)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127259
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

60714 SDG#: PEJ05-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	0.2 J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	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	0.039 J	0.011	0.054	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	27.0	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	0.0441	0.00033	0.0050	1

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

Sample Description: WS-006(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127259
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:45 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

60714 SDG#: PEJ05-11

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	6.11	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.85	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0021 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.0021 J	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131981AA	07/17/2013 14:02	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 14:02	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 19:40	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:43	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:15	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-003(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127260
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:15 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

3S714 SDG#: PEJ05-12

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

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

Sample Description: WS-003(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127260
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:15 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

3S714 SDG#: PEJ05-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	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	26.9	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	0.0523	0.00033	0.0050	1

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

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: WS-003(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127260
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:15 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

3S714 SDG#: PEJ05-12

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	6.11	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.84	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0015 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131981AA	07/17/2013 14:22	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 14:22	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 20:10	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:47	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:17	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-002(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127261
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:30 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

2S714 SDG#: PEJ05-13

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)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127261
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:30 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

2S714 SDG#: PEJ05-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.054	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
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.					
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	28.4	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0561	0.00033	0.0050	1

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

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: WS-002(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127261
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:30 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

2S714 SDG#: PEJ05-13

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	6.54	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	2.93	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	H131981AA	07/17/2013 14:43	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 14:43	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 20:40	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 13:59	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:19	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-005(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127262
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:50 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

5S714 SDG#: PEJ05-14

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

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

Sample Description: WS-005(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127262
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:50 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

5S714 SDG#: PEJ05-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	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
	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	26.4	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	N.D.	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0495	0.00033	0.0050	1

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

Sample Description: WS-005(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127262
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 08:50 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

5S714 SDG#: PEJ05-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.18	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.67	0.0167	0.100	1
07061	Nickel	7440-02-0	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	H131981AA	07/17/2013 15:04	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 15:04	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 21:09	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 14:03	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:25	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-001(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127263
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:20 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

1S714 SDG#: PEJ05-15

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

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

Sample Description: WS-001(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127263
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:20 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

1S714 SDG#: PEJ05-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	0.053	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	27.1	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0089 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0555	0.00033	0.0050	1

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

Sample Description: WS-001(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127263
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:20 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

1S714 SDG#: PEJ05-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.21	0.0334	0.200	1
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.80	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0016 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131981AA	07/17/2013 15:25	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 15:25	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 21:39	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 14:07	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:27	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-001(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127264
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:25 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

10714 SDG#: PEJ05-16

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

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

Sample Description: WS-001(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127264
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:25 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

10714 SDG#: PEJ05-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	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	0.036 J	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	25.6	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0078 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0403	0.00033	0.0050	1

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

Sample Description: WS-001(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127264
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:25 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

10714 SDG#: PEJ05-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.85	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

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	H131981AA	07/17/2013 15:46	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 15:46	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 22:08	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 14:11	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:29	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-004(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127265
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:35 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

4S714 SDG#: PEJ05-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	17	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-004(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127265
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:35 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

4S714 SDG#: PEJ05-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	2.3	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	23.9	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0092 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0581	0.00033	0.0050	1

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

Sample Description: WS-004(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127265
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:35 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

4S714 SDG#: PEJ05-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.65	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	2.38	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0031 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	0.0035 J	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131981AA	07/17/2013 16:06	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 16:06	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAE026	07/18/2013 22:38	Joseph M Gambler	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAE026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 14:15	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:31	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-004(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127266
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:40 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

40714 SDG#: PEJ05-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	12	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	6.1	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-004(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127266
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:40 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

40714 SDG#: PEJ05-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	8.1	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.019 J	0.010	0.052	1
08357	Acenaphthylene	208-96-8	0.013 J	0.010	0.052	1
08357	Anthracene	120-12-7	0.015 J	0.010	0.052	1
08357	Benzo(a)anthracene	56-55-3	0.048 J	0.010	0.052	1
08357	Benzo(a)pyrene	50-32-8	0.075	0.010	0.052	1
08357	Benzo(b)fluoranthene	205-99-2	0.14	0.010	0.052	1
08357	Benzo(g,h,i)perylene	191-24-2	0.052 J	0.010	0.052	1
08357	Benzo(k)fluoranthene	207-08-9	0.044 J	0.010	0.052	1
08357	Chrysene	218-01-9	0.17	0.010	0.052	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	0.052	1
08357	Fluoranthene	206-44-0	0.40	0.010	0.052	1
08357	Fluorene	86-73-7	0.041 J	0.010	0.052	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.049 J	0.010	0.052	1
08357	1-Methylnaphthalene	90-12-0	0.039 J	0.010	0.052	1
08357	2-Methylnaphthalene	91-57-6	0.048 J	0.010	0.052	1
08357	Naphthalene	91-20-3	N.D.	0.031	0.052	1
08357	Phenanthrene	85-01-8	0.29	0.031	0.052	1
08357	Pyrene	129-00-0	0.25	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	37.2	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0148 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.212	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	8.05	0.0334	0.200	1

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

Sample Description: WS-004(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127266
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 09:40 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

40714 SDG#: PEJ05-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0258	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0865	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.15	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0229	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	0.0321	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	H131981AA	07/17/2013 17:29	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 17:29	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13200WAB026	07/22/2013 19:57	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	2	13200WAB026	07/19/2013 13:30	David S Schrum	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 14:19	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:33	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127267
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	Acetone	67-64-1	6.4	3.0	5.0	1
02898	Allyl Chloride	107-05-1	N.D.	0.1	0.5	1
02898	Benzene	71-43-2	N.D.	0.1	0.5	1
02898	Bromobenzene	108-86-1	N.D.	0.1	0.5	1
02898	Bromochloromethane	74-97-5	N.D.	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	N.D.	0.1	0.5	1
02898	Bromoform	75-25-2	N.D.	0.1	0.5	1
02898	Bromomethane	74-83-9	N.D.	0.1	0.5	1
02898	2-Butanone	78-93-3	N.D.	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	N.D.	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	N.D.	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	N.D.	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	N.D.	0.1	0.5	1
02898	Chlorobenzene	108-90-7	N.D.	0.1	0.5	1
02898	Chloroethane	75-00-3	N.D.	0.1	0.5	1
02898	Chloroform	67-66-3	N.D.	0.1	0.5	1
02898	Chloromethane	74-87-3	N.D.	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	N.D.	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	N.D.	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	N.D.	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	N.D.	0.1	0.5	1
02898	Dibromomethane	74-95-3	N.D.	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	N.D.	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	N.D.	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	N.D.	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	N.D.	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	N.D.	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	N.D.	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	N.D.	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	N.D.	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	N.D.	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	N.D.	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	N.D.	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	N.D.	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	N.D.	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	N.D.	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.1	0.5	1
02898	Ethyl ether	60-29-7	N.D.	0.1	0.5	1
02898	Ethylbenzene	100-41-4	N.D.	0.1	0.5	1
02898	Freon 113	76-13-1	N.D.	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	N.D.	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	N.D.	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	N.D.	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	N.D.	1.0	5.0	1
02898	Methylene Chloride	75-09-2	N.D.	0.2	0.5	1

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

Sample Description: WS-007(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127267
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.045 J	0.011	0.053	1
08357	Acenaphthylene	208-96-8	N.D.	0.011	0.053	1
08357	Anthracene	120-12-7	0.045 J	0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	0.032 J	0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	0.020 J	0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	0.079	0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	0.028 J	0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	0.032 J	0.011	0.053	1
08357	Chrysene	218-01-9	0.064	0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	0.053	1
08357	Fluoranthene	206-44-0	0.14	0.011	0.053	1
08357	Fluorene	86-73-7	0.036 J	0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.017 J	0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	0.018 J	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	0.018 J	0.011	0.053	1
08357	Naphthalene	91-20-3	0.039 J	0.032	0.053	1
08357	Phenanthrene	85-01-8	0.14	0.032	0.053	1
08357	Pyrene	129-00-0	0.11	0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	31.5	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0161 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.163	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	7.34	0.0334	0.200	1

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

Sample Description: WS-007(SURFACE)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127267
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19BKG

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	0.0048 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0081 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.20	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	0.0096	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	I131971AA	07/16/2013 11:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131971AA	07/16/2013 11:32	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 19:15	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 12:32	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:36	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(SURFACE)071413 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127268
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19MS

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	47	3.0	5.0	1
02898	Allyl Chloride	107-05-1	3.7	0.1	0.5	1
02898	Benzene	71-43-2	4.7	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.1	0.1	0.5	1
02898	Bromochloromethane	74-97-5	4.8	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.4	0.1	0.5	1
02898	Bromoform	75-25-2	4.2	0.1	0.5	1
02898	Bromomethane	74-83-9	4.4	0.1	0.5	1
02898	2-Butanone	78-93-3	50	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	4.2	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	4.4	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	4.3	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	4.8	0.1	0.5	1
02898	Chlorobenzene	108-90-7	4.7	0.1	0.5	1
02898	Chloroethane	75-00-3	4.5	0.1	0.5	1
02898	Chloroform	67-66-3	4.7	0.1	0.5	1
02898	Chloromethane	74-87-3	4.1	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	4.3	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	4.3	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	7.2	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.4	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	4.5	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.3	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	4.4	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	4.3	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	4.4	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	2.9	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.4	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	4.4	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	4.7	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	4.6	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	4.9	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.5	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	4.6	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.3	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	4.2	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	4.9	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.3	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.1	0.1	0.5	1
02898	Ethyl ether	60-29-7	3.3	0.1	0.5	1
02898	Ethylbenzene	100-41-4	4.6	0.1	0.5	1
02898	Freon 113	76-13-1	4.7	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	3.7	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	4.6	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	4.2	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.0	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	19	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.3	0.2	0.5	1

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

Sample Description: WS-007(SURFACE)071413 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127268
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	4.3	0.1	0.5	1
02898	Styrene	100-42-5	4.5	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	4.5	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.1	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	4.6	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	36	2.0	5.0	1
02898	Toluene	108-88-3	4.7	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	3.9	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.0	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	4.6	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.5	0.1	0.5	1
02898	Trichloroethene	79-01-6	4.8	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	4.8	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.2	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	4.3	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	4.3	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	4.5	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	14	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.87	0.011	0.054	1
08357	Acenaphthylene	208-96-8	0.88	0.011	0.054	1
08357	Anthracene	120-12-7	0.94	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	0.84	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	0.81	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	0.90	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	0.79	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	0.82	0.011	0.054	1
08357	Chrysene	218-01-9	0.80	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	0.77	0.011	0.054	1
08357	Fluoranthene	206-44-0	0.95	0.011	0.054	1
08357	Fluorene	86-73-7	0.85	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.87	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	0.86	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	0.80	0.011	0.054	1
08357	Naphthalene	91-20-3	1.0	0.032	0.054	1
08357	Phenanthrene	85-01-8	0.97	0.032	0.054	1
08357	Pyrene	129-00-0	0.96	0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	45.7	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.171	0.0068	0.0200	1
07046	Barium	7440-39-3	2.16	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0506	0.00076	0.0050	1
01750	Calcium	7440-70-2	10.1	0.0334	0.200	1

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

Sample Description: WS-007(SURFACE)071413 MS Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127268
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.206	0.0016	0.0150	1
07055	Lead	7439-92-1	0.159	0.0047	0.0150	1
01757	Magnesium	7439-95-4	4.98	0.0167	0.100	1
07061	Nickel	7440-02-0	0.517	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.154	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0491	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.527	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.0010	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	I131971AA	07/16/2013 11:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131971AA	07/16/2013 11:53	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 19:42	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 12:44	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:40	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(SURFACE)071413 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127269
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		ug/l	ug/l	ug/l	
02898	Acetone	67-64-1	57	3.0	5.0	1
02898	Allyl Chloride	107-05-1	4.0	0.1	0.5	1
02898	Benzene	71-43-2	5.1	0.1	0.5	1
02898	Bromobenzene	108-86-1	4.4	0.1	0.5	1
02898	Bromochloromethane	74-97-5	5.1	0.1	0.5	1
02898	Bromodichloromethane	75-27-4	4.7	0.1	0.5	1
02898	Bromoform	75-25-2	4.1	0.1	0.5	1
02898	Bromomethane	74-83-9	4.5	0.1	0.5	1
02898	2-Butanone	78-93-3	63	1.0	5.0	1
02898	n-Butylbenzene	104-51-8	4.8	0.1	0.5	1
02898	sec-Butylbenzene	135-98-8	4.9	0.1	0.5	1
02898	tert-Butylbenzene	98-06-6	4.7	0.1	0.5	1
02898	Carbon Tetrachloride	56-23-5	5.0	0.1	0.5	1
02898	Chlorobenzene	108-90-7	5.1	0.1	0.5	1
02898	Chloroethane	75-00-3	4.7	0.1	0.5	1
02898	Chloroform	67-66-3	5.1	0.1	0.5	1
02898	Chloromethane	74-87-3	4.8	0.2	0.5	1
02898	2-Chlorotoluene	95-49-8	4.7	0.1	0.5	1
02898	4-Chlorotoluene	106-43-4	4.8	0.1	0.5	1
02898	1,2-Dibromo-3-chloropropane	96-12-8	9.7	0.2	0.5	1
02898	Dibromochloromethane	124-48-1	4.5	0.1	0.5	1
02898	1,2-Dibromoethane	106-93-4	4.8	0.1	0.5	1
02898	Dibromomethane	74-95-3	4.7	0.1	0.5	1
02898	1,2-Dichlorobenzene	95-50-1	4.8	0.1	0.5	1
02898	1,3-Dichlorobenzene	541-73-1	4.8	0.1	0.5	1
02898	1,4-Dichlorobenzene	106-46-7	4.8	0.1	0.5	1
02898	Dichlorodifluoromethane	75-71-8	3.0	0.1	0.5	1
02898	1,1-Dichloroethane	75-34-3	4.8	0.1	0.5	1
02898	1,2-Dichloroethane	107-06-2	4.7	0.1	0.5	1
02898	1,1-Dichloroethene	75-35-4	5.3	0.1	0.5	1
02898	cis-1,2-Dichloroethene	156-59-2	5.0	0.1	0.5	1
02898	trans-1,2-Dichloroethene	156-60-5	5.4	0.1	0.5	1
02898	Dichlorofluoromethane	75-43-4	5.8	0.2	0.5	1
02898	1,2-Dichloropropane	78-87-5	5.0	0.1	0.5	1
02898	1,3-Dichloropropane	142-28-9	4.6	0.1	0.5	1
02898	2,2-Dichloropropane	594-20-7	4.5	0.1	0.5	1
02898	1,1-Dichloropropene	563-58-6	5.3	0.1	0.5	1
02898	cis-1,3-Dichloropropene	10061-01-5	4.3	0.1	0.5	1
02898	trans-1,3-Dichloropropene	10061-02-6	4.0	0.1	0.5	1
02898	Ethyl ether	60-29-7	3.6	0.1	0.5	1
02898	Ethylbenzene	100-41-4	5.0	0.1	0.5	1
02898	Freon 113	76-13-1	5.4	0.2	0.5	1
02898	Hexachlorobutadiene	87-68-3	4.3	0.1	0.5	1
02898	Isopropylbenzene	98-82-8	5.1	0.1	0.5	1
02898	p-Isopropyltoluene	99-87-6	4.7	0.1	0.5	1
02898	Methyl Tertiary Butyl Ether	1634-04-4	4.3	0.1	0.5	1
02898	4-Methyl-2-Pentanone	108-10-1	20	1.0	5.0	1
02898	Methylene Chloride	75-09-2	4.8	0.2	0.5	1

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

Sample Description: WS-007(SURFACE)071413 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127269
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	4.8	0.1	0.5	1
02898	Styrene	100-42-5	4.9	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	4.8	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	4.5	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	5.0	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	50	2.0	5.0	1
02898	Toluene	108-88-3	5.1	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	4.4	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	4.5	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	4.9	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	4.9	0.1	0.5	1
02898	Trichloroethene	79-01-6	5.3	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	4.7	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	4.4	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	4.7	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	4.8	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	4.7	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	15	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.93	0.011	0.054	1
08357	Acenaphthylene	208-96-8	0.91	0.011	0.054	1
08357	Anthracene	120-12-7	0.92	0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	0.88	0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	0.81	0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	0.89	0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	0.79	0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	0.81	0.011	0.054	1
08357	Chrysene	218-01-9	0.81	0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	0.79	0.011	0.054	1
08357	Fluoranthene	206-44-0	0.97	0.011	0.054	1
08357	Fluorene	86-73-7	0.90	0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.89	0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	0.90	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	0.84	0.011	0.054	1
08357	Naphthalene	91-20-3	1.1	0.032	0.054	1
08357	Phenanthrene	85-01-8	1.0	0.032	0.054	1
08357	Pyrene	129-00-0	0.99	0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	51.7	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.172	0.0068	0.0200	1
07046	Barium	7440-39-3	2.21	0.00033	0.0050	1
07049	Cadmium	7440-43-9	0.0502	0.00076	0.0050	1
01750	Calcium	7440-70-2	11.1	0.0334	0.200	1

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

Sample Description: WS-007(SURFACE)071413 MSD Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127269
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19MSD

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	0.207	0.0016	0.0150	1
07055	Lead	7439-92-1	0.159	0.0047	0.0150	1
01757	Magnesium	7439-95-4	5.80	0.0167	0.100	1
07061	Nickel	7440-02-0	0.518	0.0015	0.0100	1
07036	Selenium	7782-49-2	0.158	0.0084	0.0200	1
07066	Silver	7440-22-4	0.0502	0.0021	0.0050	1
07071	Vanadium	7440-62-2	0.529	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	0.00093	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	I131971AA	07/16/2013 14:15	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	I131971AA	07/16/2013 14:15	Jason M Long	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 20:09	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 12:48	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:42	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(SURFACE)071413 DUP Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127270
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:00 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

7S714 SDG#: PEJ05-19DUP

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	32.2	0.033	0.20	1
	SW-846 6010B		**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0149 J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.166	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	7.52	0.0334	0.200	1
07051	Chromium	7440-47-3	0.0045 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0097 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	3.27	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0065 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	0.0099	0.0020	0.0050	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 12:40	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:38	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-007(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127271
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

70714 SDG#: PEJ05-20

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

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

Sample Description: WS-007(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127271
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

70714 SDG#: PEJ05-20

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.1	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.079		0.011	0.053	1
08357	Acenaphthylene	208-96-8	0.16		0.011	0.053	1
08357	Anthracene	120-12-7	0.21		0.011	0.053	1
08357	Benzo(a)anthracene	56-55-3	0.23		0.011	0.053	1
08357	Benzo(a)pyrene	50-32-8	0.41		0.011	0.053	1
08357	Benzo(b)fluoranthene	205-99-2	1.1		0.011	0.053	1
08357	Benzo(g,h,i)perylene	191-24-2	0.39		0.011	0.053	1
08357	Benzo(k)fluoranthene	207-08-9	0.34		0.011	0.053	1
08357	Chrysene	218-01-9	0.33		0.011	0.053	1
08357	Dibenz(a,h)anthracene	53-70-3	0.11		0.011	0.053	1
08357	Fluoranthene	206-44-0	0.78		0.011	0.053	1
08357	Fluorene	86-73-7	0.080		0.011	0.053	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.39		0.011	0.053	1
08357	1-Methylnaphthalene	90-12-0	0.033	J	0.011	0.053	1
08357	2-Methylnaphthalene	91-57-6	0.037	J	0.011	0.053	1
08357	Naphthalene	91-20-3	0.053		0.032	0.053	1
08357	Phenanthrene	85-01-8	0.25		0.032	0.053	1
08357	Pyrene	129-00-0	0.77		0.011	0.053	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	23.6		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0096	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.0720		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	5.29		0.0334	0.200	1

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

Sample Description: WS-007(0.5-1.0)071413 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127271
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013 10:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

70714 SDG#: PEJ05-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	0.0038 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0081 J	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.53	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0056 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	0.0077	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	H131981AA	07/17/2013 17:50	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 17:50	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 21:03	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	132006256001	07/19/2013 05:08	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07046	Barium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
01750	Calcium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07051	Chromium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07055	Lead	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
01757	Magnesium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07061	Nickel	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07036	Selenium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07066	Silver	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
07071	Vanadium	SW-846 6010B	1	131971848005	07/18/2013 14:23	Joanne M Gates	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:44	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848005	07/17/2013 15:58	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-006(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127272
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 13:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

6S713 SDG#: PEJ05-21

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

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

Sample Description: WS-006(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127272
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 13:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

6S713 SDG#: PEJ05-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.010	0.052	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	0.022 J	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	0.089	0.031	0.052	1
08357	Phenanthrene	85-01-8	N.D.	0.031	0.052	1
08357	Pyrene	129-00-0	0.091	0.010	0.052	1
Metals	**SM 2340 B-1997**		**mg/l**	**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	26.0	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	0.0324	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	5.92	0.0334	0.200	1

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

Sample Description: WS-006(SURFACE)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127272
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 13:05 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

6S713 SDG#: PEJ05-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
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	2.72	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	H131981AA	07/17/2013 18:10	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 18:10	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 21:30	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131996256001	07/18/2013 07:25	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	131971848006	07/18/2013 05:00	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:50	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848006	07/17/2013 16:47	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-006(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127273
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 13:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

60713 SDG#: PEJ05-22

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

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

Sample Description: WS-006(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127273
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 13:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

60713 SDG#: PEJ05-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**	**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.	0.1	0.5	1
02898	Styrene	100-42-5	N.D.	0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.	0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.	2.0	5.0	1
02898	Toluene	108-88-3	N.D.	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.	0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.	0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.	0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.	0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.	0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.	0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.	0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.011	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	0.089	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	26.8	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	0.0604	0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.	0.00076	0.0050	1
01750	Calcium	7440-70-2	6.09	0.0334	0.200	1

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

Sample Description: WS-006(0.5-1.0)071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127273
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 13:10 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

60713 SDG#: PEJ05-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals		**SW-846 6010B**	**mg/l**	**mg/l**	**mg/l**	
07051	Chromium	7440-47-3	N.D.	0.0016	0.0150	1
07055	Lead	7439-92-1	N.D.	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.82	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0017 J	0.0015	0.0100	1
07036	Selenium	7782-49-2	N.D.	0.0084	0.0200	1
07066	Silver	7440-22-4	N.D.	0.0021	0.0050	1
07071	Vanadium	7440-62-2	N.D.	0.0020	0.0050	1
		SW-846 7470A	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000060	0.00020	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131981AA	07/17/2013 18:31	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 18:31	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 21:58	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131996256001	07/18/2013 07:25	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	131971848006	07/18/2013 05:04	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:52	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848006	07/17/2013 16:47	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-DUP-55-071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127274
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

FD-55 SDG#: PEJ05-23FD

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

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

Sample Description: WS-DUP-55-071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127274
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

FD-55 SDG#: PEJ05-23FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B 25mL purge**		**ug/l**		**ug/l**	**ug/l**	
02898	n-Propylbenzene	103-65-1	N.D.		0.1	0.5	1
02898	Styrene	100-42-5	N.D.		0.1	0.5	1
02898	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.1	0.5	1
02898	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.1	0.5	1
02898	Tetrachloroethene	127-18-4	N.D.		0.1	0.5	1
02898	Tetrahydrofuran	109-99-9	N.D.		2.0	5.0	1
02898	Toluene	108-88-3	0.2	J	0.1	0.5	1
02898	1,2,3-Trichlorobenzene	87-61-6	N.D.		0.1	0.5	1
02898	1,2,4-Trichlorobenzene	120-82-1	N.D.		0.1	0.5	1
02898	1,1,1-Trichloroethane	71-55-6	N.D.		0.1	0.5	1
02898	1,1,2-Trichloroethane	79-00-5	N.D.		0.1	0.5	1
02898	Trichloroethene	79-01-6	N.D.		0.1	0.5	1
02898	Trichlorofluoromethane	75-69-4	N.D.		0.1	0.5	1
02898	1,2,3-Trichloropropane	96-18-4	N.D.		0.3	1.0	1
02898	1,2,4-Trimethylbenzene	95-63-6	N.D.		0.1	0.5	1
02898	1,3,5-Trimethylbenzene	108-67-8	N.D.		0.1	0.5	1
02898	Vinyl Chloride	75-01-4	N.D.		0.1	0.5	1
02898	Xylene (Total)	1330-20-7	N.D.		0.1	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.059		0.011	0.054	1
08357	Acenaphthylene	208-96-8	0.055		0.011	0.054	1
08357	Anthracene	120-12-7	0.068		0.011	0.054	1
08357	Benzo(a)anthracene	56-55-3	0.12		0.011	0.054	1
08357	Benzo(a)pyrene	50-32-8	0.14		0.011	0.054	1
08357	Benzo(b)fluoranthene	205-99-2	0.41		0.011	0.054	1
08357	Benzo(g,h,i)perylene	191-24-2	0.14		0.011	0.054	1
08357	Benzo(k)fluoranthene	207-08-9	0.14		0.011	0.054	1
08357	Chrysene	218-01-9	0.17		0.011	0.054	1
08357	Dibenz(a,h)anthracene	53-70-3	0.035	J	0.011	0.054	1
08357	Fluoranthene	206-44-0	0.35		0.011	0.054	1
08357	Fluorene	86-73-7	0.061		0.011	0.054	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.14		0.011	0.054	1
08357	1-Methylnaphthalene	90-12-0	0.025	J	0.011	0.054	1
08357	2-Methylnaphthalene	91-57-6	0.027	J	0.011	0.054	1
08357	Naphthalene	91-20-3	0.12		0.032	0.054	1
08357	Phenanthrene	85-01-8	0.14		0.032	0.054	1
08357	Pyrene	129-00-0	0.36		0.011	0.054	1
Metals	**SM 2340 B-1997**		**mg/l**		**mg/l**	**mg/l**	
06256	Total Hardness as CaCO3	471-34-1	25.6		0.033	0.20	1
	SW-846 6010B		**mg/l**		**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	0.0095	J	0.0068	0.0200	1
07046	Barium	7440-39-3	0.119		0.00033	0.0050	1
07049	Cadmium	7440-43-9	N.D.		0.00076	0.0050	1
01750	Calcium	7440-70-2	5.51		0.0334	0.200	1

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

Sample Description: WS-DUP-55-071313 Grab Surface Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127274
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/13/2013 by AP

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

FD-55 SDG#: PEJ05-23FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010B**		mg/l	mg/l	mg/l	
07051	Chromium	7440-47-3	0.0069 J	0.0016	0.0150	1
07055	Lead	7439-92-1	0.0153	0.0047	0.0150	1
01757	Magnesium	7439-95-4	2.88	0.0167	0.100	1
07061	Nickel	7440-02-0	0.0079 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	0.0130	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	H131981AA	07/17/2013 18:52	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 18:52	Kerri E Legerlotz	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	13197WAF026	07/18/2013 22:25	Chad A Moline	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	13197WAF026	07/16/2013 16:50	JoElla L Rice	1
06256	Total Hardness as CaCO3	SM 2340 B-1997	1	131996256001	07/18/2013 07:25	Deborah A Krady	1
07035	Arsenic	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07046	Barium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07049	Cadmium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
01750	Calcium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07051	Chromium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07055	Lead	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
01757	Magnesium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07061	Nickel	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07036	Selenium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07066	Silver	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
07071	Vanadium	SW-846 6010B	1	131971848006	07/18/2013 05:08	Tara L Snyder	1
00259	Mercury	SW-846 7470A	1	131965713007	07/17/2013 05:54	Damary Valentin	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131971848006	07/17/2013 16:47	Kevin C Piaskowski	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	131965713007	07/16/2013 15:45	Nelli S Markaryan	1

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

Sample Description: WS-TB-96-071413 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127275
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

TB-76 SDG#: PEJ05-24TB*

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

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

Sample Description: WS-TB-96-071413 Water
Mayflower, AR
Pipeline Incident

LL Sample # WW 7127275
LL Group # 1404076
Account # 14739

Project Name: Mayflower, AR Pipeline Incident

Collected: 07/14/2013

Submitted: 07/15/2013 15:30
Reported: 07/23/2013 11:07

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

TB-76 SDG#: PEJ05-24TB*

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

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02898	Silvertip & Mayflower VOCs8260	SW-846 8260B 25mL purge	1	H131981AA	07/17/2013 13:00	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	H131981AA	07/17/2013 13:00	Kerri E Legerlotz	1

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

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: H131971AA	Sample number(s): 7127249-7127254								
Acetone	N.D.	3.0	5.0	ug/l	94		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	80		61-130		
Benzene	N.D.	0.1	0.5	ug/l	94		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	96		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	99		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	91		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	88		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	80		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	99		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	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	96		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	79		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	96		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	70		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	96		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	99		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	98		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	96		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	90		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	96		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	98		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	97		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	57		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	92		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	92		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	101		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	95		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	102		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	97		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	94		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	90		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	92		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	97		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	90		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	89		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	78		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	94		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	90		61-125		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

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	94		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	93		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	90		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	87		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	94		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
Styrene	N.D.	0.1	0.5	ug/l	98		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	94		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	91		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	98		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	101		65-131		
Toluene	N.D.	0.1	0.5	ug/l	96		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	83		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	88		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	96		79-127		
1,1,2-Trichloroethane	N.D.	0.1	0.5	ug/l	94		80-120		
Trichloroethene	N.D.	0.1	0.5	ug/l	98		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	84		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	95		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	76		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	96		80-120		
Batch number: H131981AA	Sample number(s): 7127255-7127266,7127271-7127275								
Acetone	N.D.	3.0	5.0	ug/l	93		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	77		61-130		
Benzene	N.D.	0.1	0.5	ug/l	94		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	96		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	101		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	94		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	90		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	81		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	93		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	89		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	91		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	96		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	98		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	97		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	78		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	96		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	65		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	95		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	97		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	93		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	95		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	98		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	95		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	95		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	97		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	97		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	51		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	92		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	95		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	100		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	97		80-120		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	101		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	97		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	95		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	94		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	93		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	98		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	91		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	90		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	78		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	94		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	85		61-125		
Isopropylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	90		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	95		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	89		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	95		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Styrene	N.D.	0.1	0.5	ug/l	98		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	95		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	92		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	99		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	96		65-131		
Toluene	N.D.	0.1	0.5	ug/l	95		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	80		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	85		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	96		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	98		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	84		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	95		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	72		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	96		80-120		
Batch number: I131971AA	Sample number(s): 7127267-7127269								
Acetone	N.D.	3.0	5.0	ug/l	93		73-135		
Allyl Chloride	N.D.	0.1	0.5	ug/l	75		61-130		
Benzene	N.D.	0.1	0.5	ug/l	94		80-120		
Bromobenzene	N.D.	0.1	0.5	ug/l	90		80-120		
Bromochloromethane	N.D.	0.1	0.5	ug/l	101		80-125		
Bromodichloromethane	N.D.	0.1	0.5	ug/l	91		80-120		
Bromoform	N.D.	0.1	0.5	ug/l	97		63-132		
Bromomethane	N.D.	0.1	0.5	ug/l	86		38-146		
2-Butanone	N.D.	1.0	5.0	ug/l	109		70-130		
n-Butylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
sec-Butylbenzene	N.D.	0.1	0.5	ug/l	94		80-120		
tert-Butylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Carbon Tetrachloride	N.D.	0.1	0.5	ug/l	94		74-133		
Chlorobenzene	N.D.	0.1	0.5	ug/l	99		80-120		
Chloroethane	N.D.	0.1	0.5	ug/l	84		67-124		
Chloroform	N.D.	0.1	0.5	ug/l	95		80-120		
Chloromethane	N.D.	0.2	0.5	ug/l	76		55-135		
2-Chlorotoluene	N.D.	0.1	0.5	ug/l	94		80-120		
4-Chlorotoluene	N.D.	0.1	0.5	ug/l	95		80-120		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dibromo-3-chloropropane	N.D.	0.2	0.5	ug/l	119		57-141		
Dibromochloromethane	N.D.	0.1	0.5	ug/l	96		80-126		
1,2-Dibromoethane	N.D.	0.1	0.5	ug/l	98		80-120		
Dibromomethane	N.D.	0.1	0.5	ug/l	93		80-120		
1,2-Dichlorobenzene	N.D.	0.1	0.5	ug/l	98		80-120		
1,3-Dichlorobenzene	N.D.	0.1	0.5	ug/l	95		80-120		
1,4-Dichlorobenzene	N.D.	0.1	0.5	ug/l	97		80-112		
Dichlorodifluoromethane	N.D.	0.1	0.5	ug/l	55		39-120		
1,1-Dichloroethane	N.D.	0.1	0.5	ug/l	87		80-120		
1,2-Dichloroethane	N.D.	0.1	0.5	ug/l	92		80-127		
1,1-Dichloroethene	N.D.	0.1	0.5	ug/l	92		80-123		
cis-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	94		80-120		
trans-1,2-Dichloroethene	N.D.	0.1	0.5	ug/l	96		80-120		
Dichlorofluoromethane	N.D.	0.2	0.5	ug/l	105		63-149		
1,2-Dichloropropane	N.D.	0.1	0.5	ug/l	95		80-120		
1,3-Dichloropropane	N.D.	0.1	0.5	ug/l	92		80-120		
2,2-Dichloropropane	N.D.	0.1	0.5	ug/l	83		75-122		
1,1-Dichloropropene	N.D.	0.1	0.5	ug/l	95		80-121		
cis-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	91		74-120		
trans-1,3-Dichloropropene	N.D.	0.1	0.5	ug/l	89		73-126		
Ethyl ether	N.D.	0.1	0.5	ug/l	72		59-130		
Ethylbenzene	N.D.	0.1	0.5	ug/l	93		80-120		
Freon 113	N.D.	0.2	0.5	ug/l	91		78-132		
Hexachlorobutadiene	N.D.	0.1	0.5	ug/l	88		61-125		
Isopropylbenzene	N.D.	0.1	0.5	ug/l	95		80-120		
p-Isopropyltoluene	N.D.	0.1	0.5	ug/l	92		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.1	0.5	ug/l	87		80-125		
4-Methyl-2-Pentanone	N.D.	1.0	5.0	ug/l	88		69-135		
Methylene Chloride	N.D.	0.2	0.5	ug/l	90		80-120		
n-Propylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Styrene	N.D.	0.1	0.5	ug/l	95		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	97		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.1	0.5	ug/l	95		80-125		
Tetrachloroethene	N.D.	0.1	0.5	ug/l	95		80-120		
Tetrahydrofuran	N.D.	2.0	5.0	ug/l	120		65-131		
Toluene	N.D.	0.1	0.5	ug/l	96		80-120		
1,2,3-Trichlorobenzene	N.D.	0.1	0.5	ug/l	90		63-120		
1,2,4-Trichlorobenzene	N.D.	0.1	0.5	ug/l	91		70-120		
1,1,1-Trichloroethane	N.D.	0.1	0.5	ug/l	91		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	97		80-120		
Trichlorofluoromethane	N.D.	0.1	0.5	ug/l	84		77-132		
1,2,3-Trichloropropane	N.D.	0.3	1.0	ug/l	96		80-120		
1,2,4-Trimethylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
1,3,5-Trimethylbenzene	N.D.	0.1	0.5	ug/l	92		80-120		
Vinyl Chloride	N.D.	0.1	0.5	ug/l	84		65-127		
Xylene (Total)	N.D.	0.1	0.5	ug/l	96		80-120		
Batch number: 13197WAE026	Sample number(s): 7127249-7127255,7127257-7127265								
Acenaphthene	N.D.	0.010	0.050	ug/l	98	104	65-124	6	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	96	98	72-113	2	30
Anthracene	N.D.	0.010	0.050	ug/l	96	95	70-117	1	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	90	89	75-115	1	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	94	93	72-120	0	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	103	108	74-130	5	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	104	95	63-121	9	30

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	99	103	74-118	4	30
Chrysene	N.D.	0.010	0.050	ug/l	96	95	75-112	1	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	90	95	66-122	5	30
Fluoranthene	N.D.	0.010	0.050	ug/l	105	107	73-116	2	30
Fluorene	N.D.	0.010	0.050	ug/l	95	97	74-115	2	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	96	97	66-122	1	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	96	95	72-114	1	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	92	97	74-119	5	30
Naphthalene	N.D.	0.030	0.050	ug/l	97	97	67-118	0	30
Phenanthrene	N.D.	0.030	0.050	ug/l	97	97	72-109	0	30
Pyrene	N.D.	0.010	0.050	ug/l	85	90	71-116	6	30
Batch number: 13197WAF026	Sample number(s): 7127267-7127269,7127271-7127274								
Acenaphthene	N.D.	0.010	0.050	ug/l	95		65-124		
Acenaphthylene	N.D.	0.010	0.050	ug/l	95		72-113		
Anthracene	N.D.	0.010	0.050	ug/l	95		70-117		
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	86		75-115		
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	94		72-120		
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	103		74-130		
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	110		63-121		
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	105		74-118		
Chrysene	N.D.	0.010	0.050	ug/l	102		75-112		
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	100		66-122		
Fluoranthene	N.D.	0.010	0.050	ug/l	95		73-116		
Fluorene	N.D.	0.010	0.050	ug/l	89		74-115		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	99		66-122		
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	95		72-114		
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	87		74-119		
Naphthalene	N.D.	0.030	0.050	ug/l	98		67-118		
Phenanthrene	N.D.	0.030	0.050	ug/l	101		72-109		
Pyrene	N.D.	0.010	0.050	ug/l	102		71-116		
Batch number: 13200WAB026	Sample number(s): 7127256,7127266								
Acenaphthene	N.D.	0.010	0.050	ug/l	94	97	65-124	3	30
Acenaphthylene	N.D.	0.010	0.050	ug/l	95	99	72-113	3	30
Anthracene	N.D.	0.010	0.050	ug/l	98	97	70-117	1	30
Benzo(a)anthracene	N.D.	0.010	0.050	ug/l	99	95	75-115	4	30
Benzo(a)pyrene	N.D.	0.010	0.050	ug/l	95	94	72-120	1	30
Benzo(b)fluoranthene	N.D.	0.010	0.050	ug/l	105	110	74-130	4	30
Benzo(g,h,i)perylene	N.D.	0.010	0.050	ug/l	108	102	63-121	6	30
Benzo(k)fluoranthene	N.D.	0.010	0.050	ug/l	107	99	74-118	7	30
Chrysene	N.D.	0.010	0.050	ug/l	98	96	75-112	2	30
Dibenz(a,h)anthracene	N.D.	0.010	0.050	ug/l	99	87	66-122	13	30
Fluoranthene	N.D.	0.010	0.050	ug/l	103	101	73-116	2	30
Fluorene	N.D.	0.010	0.050	ug/l	91	94	74-115	3	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	0.050	ug/l	104	97	66-122	7	30
1-Methylnaphthalene	N.D.	0.010	0.050	ug/l	93	96	72-114	4	30
2-Methylnaphthalene	N.D.	0.010	0.050	ug/l	86	89	74-119	4	30
Naphthalene	N.D.	0.030	0.050	ug/l	93	97	67-118	4	30
Phenanthrene	N.D.	0.030	0.050	ug/l	99	100	72-109	1	30
Pyrene	N.D.	0.010	0.050	ug/l	98	98	71-116	0	30
Batch number: 131965713007	Sample number(s): 7127253-7127274								
Mercury	N.D.	0.00006 0	0.00020	mg/l	106		80-120		

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 131965713008	Sample number(s): 7127249-7127252								
Mercury	N.D.	0.00006 0	0.00020	mg/l	106		80-120		
Batch number: 131971848005	Sample number(s): 7127249-7127271								
Arsenic	N.D.	0.0068	0.0200	mg/l	104		90-113		
Barium	0.00095 J	0.00033	0.0050	mg/l	102		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	103		90-112		
Calcium	N.D.	0.0334	0.200	mg/l	101		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	102		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	100		88-110		
Magnesium	N.D.	0.0167	0.100	mg/l	101		90-110		
Nickel	N.D.	0.0015	0.0100	mg/l	105		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	104		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	92		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	105		90-110		
Batch number: 131971848006	Sample number(s): 7127272-7127274								
Arsenic	N.D.	0.0068	0.0200	mg/l	100		90-113		
Barium	0.00071 J	0.00033	0.0050	mg/l	102		90-110		
Cadmium	N.D.	0.00076	0.0050	mg/l	102		90-112		
Calcium	N.D.	0.0334	0.200	mg/l	100		90-110		
Chromium	N.D.	0.0016	0.0150	mg/l	101		90-110		
Lead	N.D.	0.0047	0.0150	mg/l	105		88-110		
Magnesium	N.D.	0.0167	0.100	mg/l	100		90-110		
Nickel	N.D.	0.0015	0.0100	mg/l	105		90-111		
Selenium	N.D.	0.0084	0.0200	mg/l	103		80-120		
Silver	N.D.	0.0021	0.0050	mg/l	99		80-120		
Vanadium	N.D.	0.0020	0.0050	mg/l	102		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: H131971AA	Sample number(s): 7127249-7127254 UNSPK: 7127249								
Acetone	94	106	57-163	12	30				
Allyl Chloride	75	79	67-139	6	30				
Benzene	86*	94	87-126	8	30				
Bromobenzene	93	101	80-123	9	30				
Bromochloromethane	92	97	82-125	5	30				
Bromodichloromethane	88	95	82-133	8	30				
Bromoform	90	98	60-138	9	30				
Bromomethane	82	84	41-145	3	30				
2-Butanone	92	103	63-146	11	30				
n-Butylbenzene	88	98	83-131	10	30				
sec-Butylbenzene	89	100	84-128	12	30				
tert-Butylbenzene	95	104	84-135	9	30				
Carbon Tetrachloride	92	99	81-148	7	30				
Chlorobenzene	93	101	78-133	8	30				
Chloroethane	83	84	70-139	1	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

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
Chloroform	89	96	86-136	7	30				
Chloromethane	71	73	55-152	3	30				
2-Chlorotoluene	90	102	81-120	12	30				
4-Chlorotoluene	94	104	82-119	10	30				
1,2-Dibromo-3-chloropropane	94	106	43-143	12	30				
Dibromochloromethane	90	99	79-125	9	30				
1,2-Dibromoethane	93	99	84-127	6	30				
Dibromomethane	86	91	83-126	6	30				
1,2-Dichlorobenzene	93	103	83-117	10	30				
1,3-Dichlorobenzene	93	102	81-118	9	30				
1,4-Dichlorobenzene	93	102	79-120	10	30				
Dichlorodifluoromethane	57	57	28-136	0	30				
1,1-Dichloroethane	84*	89	88-136	6	30				
1,2-Dichloroethane	85	90	82-135	6	30				
1,1-Dichloroethene	91	100	83-150	10	30				
cis-1,2-Dichloroethene	86	92	82-129	6	30				
trans-1,2-Dichloroethene	90	98	88-127	8	30				
Dichlorofluoromethane	101	103	59-176	2	30				
1,2-Dichloropropane	88*	95	91-126	8	30				
1,3-Dichloropropane	88	94	80-127	8	30				
2,2-Dichloropropane	86	93	80-134	8	30				
1,1-Dichloropropene	90	98	86-139	9	30				
cis-1,3-Dichloropropene	87	93	74-132	7	30				
trans-1,3-Dichloropropene	87	94	71-128	7	30				
Ethyl ether	73	72	67-127	2	30				
Ethylbenzene	89	96	80-140	8	30				
Freon 113	88	93	87-158	6	30				
Hexachlorobutadiene	87	99	65-128	13	30				
Isopropylbenzene	92	100	81-133	8	30				
p-Isopropyltoluene	89	101	84-124	12	30				
Methyl Tertiary Butyl Ether	84	90	82-132	7	30				
4-Methyl-2-Pentanone	88	95	69-149	7	30				
Methylene Chloride	86	92	84-122	6	30				
n-Propylbenzene	90	100	79-131	11	30				
Styrene	94	103	63-151	8	30				
1,1,1,2-Tetrachloroethane	91	100	87-126	9	30				
1,1,2,2-Tetrachloroethane	90	103	75-131	14	30				
Tetrachloroethene	95	102	75-129	7	30				
Tetrahydrofuran	92	103	56-154	11	30				
Toluene	92	100	83-127	9	30				
1,2,3-Trichlorobenzene	81	87	73-125	7	30				
1,2,4-Trichlorobenzene	85	93	77-120	9	30				
1,1,1-Trichloroethane	89	96	85-140	7	30				
1,1,2-Trichloroethane	92	100	85-129	9	30				
Trichloroethene	91	99	85-131	8	30				
Trichlorofluoromethane	89	90	67-161	1	30				
1,2,3-Trichloropropane	92	102	76-120	10	30				
1,2,4-Trimethylbenzene	91	100	87-126	10	30				
1,3,5-Trimethylbenzene	91	101	89-129	10	30				
Vinyl Chloride	79	80	65-151	1	30				
Xylene (Total)	94	102	81-137	8	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

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: H131981AA	Sample number(s): 7127255-7127266,7127271-7127275 UNSPK: 7127258								
Acetone	104	92	57-163	12	30				
Allyl Chloride	80	87	67-139	9	30				
Benzene	98	92	87-126	7	30				
Bromobenzene	105	98	80-123	7	30				
Bromochloromethane	100	110	82-125	10	30				
Bromodichloromethane	99	93	82-133	6	30				
Bromoform	100	95	60-138	6	30				
Bromomethane	82	84	41-145	3	30				
2-Butanone	98	94	63-146	5	30				
n-Butylbenzene	100	93	83-131	7	30				
sec-Butylbenzene	100	94	84-128	6	30				
tert-Butylbenzene	105	100	84-135	5	30				
Carbon Tetrachloride	103	97	81-148	6	30				
Chlorobenzene	105	98	78-133	7	30				
Chloroethane	81	85	70-139	5	30				
Chloroform	101	95	86-136	6	30				
Chloromethane	68	71	55-152	4	30				
2-Chlorotoluene	105	96	81-120	8	30				
4-Chlorotoluene	105	99	82-119	6	30				
1,2-Dibromo-3-chloropropane	105	102	43-143	3	30				
Dibromochloromethane	102	96	79-125	5	30				
1,2-Dibromoethane	104	99	84-127	4	30				
Dibromomethane	99	91	83-126	9	30				
1,2-Dichlorobenzene	105	99	83-117	6	30				
1,3-Dichlorobenzene	105	100	81-118	6	30				
1,4-Dichlorobenzene	105	98	79-120	7	30				
Dichlorodifluoromethane	53	53	28-136	1	30				
1,1-Dichloroethane	96	90	88-136	7	30				
1,2-Dichloroethane	100	93	82-135	8	30				
1,1-Dichloroethene	104	100	83-150	4	30				
cis-1,2-Dichloroethene	99	92	82-129	7	30				
trans-1,2-Dichloroethene	104	98	88-127	6	30				
Dichlorofluoromethane	101	105	59-176	4	30				
1,2-Dichloropropane	98	93	91-126	5	30				
1,3-Dichloropropane	101	94	80-127	6	30				
2,2-Dichloropropane	98	92	80-134	6	30				
1,1-Dichloropropene	102	96	86-139	6	30				
cis-1,3-Dichloropropene	97	90	74-132	7	30				
trans-1,3-Dichloropropene	97	89	71-128	8	30				
Ethyl ether	98	106	67-127	9	30				
Ethylbenzene	100	93	80-140	8	30				
Freon 113	102	93	87-158	9	30				
Hexachlorobutadiene	97	93	65-128	4	30				
Isopropylbenzene	102	94	81-133	8	30				
p-Isopropyltoluene	100	94	84-124	6	30				
Methyl Tertiary Butyl Ether	94	91	82-132	3	30				
4-Methyl-2-Pentanone	97	95	69-149	2	30				
Methylene Chloride	97	91	84-122	6	30				
n-Propylbenzene	100	94	79-131	7	30				
Styrene	107	100	63-151	7	30				
1,1,1,2-Tetrachloroethane	103	97	87-126	6	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2,2-Tetrachloroethane	103	97	75-131	5	30				
Tetrachloroethene	106	98	75-129	8	30				
Tetrahydrofuran	98	95	56-154	3	30				
Toluene	102	94	83-127	8	30				
1,2,3-Trichlorobenzene	88	84	73-125	4	30				
1,2,4-Trichlorobenzene	94	88	77-120	6	30				
1,1,1-Trichloroethane	102	95	85-140	7	30				
1,1,2-Trichloroethane	105	99	85-129	6	30				
Trichloroethene	104	97	85-131	7	30				
Trichlorofluoromethane	89	90	67-161	1	30				
1,2,3-Trichloropropane	106	103	76-120	3	30				
1,2,4-Trimethylbenzene	101	95	87-126	7	30				
1,3,5-Trimethylbenzene	101	95	89-129	7	30				
Vinyl Chloride	76	79	65-151	4	30				
Xylene (Total)	104	97	81-137	7	30				
Batch number: I131971AA	Sample number(s): 7127267-7127269 UNSPK: 7127267								
Acetone	109	135	57-163	19	30				
Allyl Chloride	74	79	67-139	7	30				
Benzene	94	103	87-126	9	30				
Bromobenzene	82	88	80-123	7	30				
Bromochloromethane	96	101	82-125	6	30				
Bromodichloromethane	88	93	82-133	6	30				
Bromoform	85	82	60-138	4	30				
Bromomethane	88	90	41-145	2	30				
2-Butanone	134	167*	63-146	22	30				
n-Butylbenzene	85	96	83-131	13	30				
sec-Butylbenzene	87	97	84-128	11	30				
tert-Butylbenzene	86	95	84-135	10	30				
Carbon Tetrachloride	95	100	81-148	4	30				
Chlorobenzene	94	102	78-133	8	30				
Chloroethane	90	94	70-139	4	30				
Chloroform	93	102	86-136	9	30				
Chloromethane	82	96	55-152	15	30				
2-Chlorotoluene	87	95	81-120	9	30				
4-Chlorotoluene	87	96	82-119	10	30				
1,2-Dibromo-3-chloropropane	145*	194*	43-143	29	30				
Dibromochloromethane	88	89	79-125	2	30				
1,2-Dibromoethane	90	96	84-127	6	30				
Dibromomethane	87	94	83-126	8	30				
1,2-Dichlorobenzene	87	97	83-117	10	30				
1,3-Dichlorobenzene	87	96	81-118	11	30				
1,4-Dichlorobenzene	87	97	79-120	10	30				
Dichlorodifluoromethane	58	61	28-136	4	30				
1,1-Dichloroethane	88	97	88-136	9	30				
1,2-Dichloroethane	88	95	82-135	8	30				
1,1-Dichloroethene	94	106	83-150	12	30				
cis-1,2-Dichloroethene	91	100	82-129	9	30				
trans-1,2-Dichloroethene	98	107	88-127	9	30				
Dichlorofluoromethane	111	116	59-176	4	30				
1,2-Dichloropropane	93	100	91-126	8	30				
1,3-Dichloropropane	86	93	80-127	8	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
2,2-Dichloropropane	84	91	80-134	8	30				
1,1-Dichloropropene	98	106	86-139	8	30				
cis-1,3-Dichloropropene	87	87	74-132	0	30				
trans-1,3-Dichloropropene	81	80	71-128	1	30				
Ethyl ether	66*	72	67-127	8	30				
Ethylbenzene	91	99	80-140	8	30				
Freon 113	94	108	87-158	14	30				
Hexachlorobutadiene	74	85	65-128	14	30				
Isopropylbenzene	93	101	81-133	9	30				
p-Isopropyltoluene	85	95	84-124	11	30				
Methyl Tertiary Butyl Ether	80*	86	82-132	7	30				
4-Methyl-2-Pentanone	78	79	69-149	2	30				
Methylene Chloride	87	97	84-122	11	30				
n-Propylbenzene	86	96	79-131	10	30				
Styrene	91	99	63-151	8	30				
1,1,1,2-Tetrachloroethane	90	97	87-126	7	30				
1,1,2,2-Tetrachloroethane	83	90	75-131	8	30				
Tetrachloroethene	93	101	75-129	8	30				
Tetrahydrofuran	144	199*	56-154	32*	30				
Toluene	95	103	83-127	8	30				
1,2,3-Trichlorobenzene	77	88	73-125	12	30				
1,2,4-Trichlorobenzene	79	89	77-120	12	30				
1,1,1-Trichloroethane	92	99	85-140	7	30				
1,1,2-Trichloroethane	90	97	85-129	7	30				
Trichloroethene	97	106	85-131	9	30				
Trichlorofluoromethane	95	95	67-161	1	30				
1,2,3-Trichloropropane	84	88	76-120	5	30				
1,2,4-Trimethylbenzene	85*	94	87-126	10	30				
1,3,5-Trimethylbenzene	86*	95	89-129	10	30				
Vinyl Chloride	91	94	65-151	4	30				
Xylene (Total)	92	101	81-137	9	30				
Batch number: 13197WAF026	Sample number(s): 7127267-7127269,7127271-7127274 UNSPK: 7127267								
Acenaphthene	77	82	59-127	6	30				
Acenaphthylene	81	84	33-146	3	30				
Anthracene	83	81	69-119	3	30				
Benzo(a)anthracene	75	79	67-124	4	30				
Benzo(a)pyrene	73	73	64-123	1	30				
Benzo(b)fluoranthene	75	75	61-133	1	30				
Benzo(g,h,i)perylene	71	71	36-138	1	30				
Benzo(k)fluoranthene	73	72	59-128	2	30				
Chrysene	68	70	62-118	1	30				
Dibenz(a,h)anthracene	71	73	32-141	3	30				
Fluoranthene	74	77	65-123	2	30				
Fluorene	75	80	69-124	6	30				
Indeno(1,2,3-cd)pyrene	78	81	29-143	3	30				
1-Methylnaphthalene	77	82	67-117	5	30				
2-Methylnaphthalene	73	76	71-126	4	30				
Naphthalene	89	103	58-131	13	30				
Phenanthrene	77	80	67-117	2	30				
Pyrene	79	82	59-125	2	30				

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

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: 131965713007	Sample number(s): 7127253-7127274 UNSPK: 7127267 BKG: 7127267								
Mercury	105	93	80-120	12	20	N.D.	N.D.	0 (1)	20
Batch number: 131965713008	Sample number(s): 7127249-7127252 UNSPK: 7127250 BKG: 7127250								
Mercury	108	107	80-120	1	20	N.D.	N.D.	0 (1)	20
Batch number: 131971848005	Sample number(s): 7127249-7127271 UNSPK: 7127267 BKG: 7127267								
Arsenic	103	104	81-123	1	20	0.0161 J	0.0149 J	8 (1)	20
Barium	100	103	78-118	3	20	0.163	0.166	2	20
Cadmium	101	100	83-116	1	20	N.D.	N.D.	0 (1)	20
Calcium	69*	95	81-118	10	20	7.34	7.52	2	20
Chromium	101	101	81-120	0	20	0.0048 J	0.0045 J	6 (1)	20
Lead	100	101	75-125	0	20	0.0081 J	0.0097 J	18 (1)	20
Magnesium	89	130*	75-125	15	20	3.20	3.27	2	20
Nickel	102	102	86-115	0	20	0.0059 J	0.0065 J	10 (1)	20
Selenium	103	106	75-125	3	20	N.D.	N.D.	0 (1)	20
Silver	98	100	75-125	2	20	N.D.	N.D.	0 (1)	20
Vanadium	103	104	90-111	0	20	0.0096	0.0099	3 (1)	20
Batch number: 131971848006	Sample number(s): 7127272-7127274 UNSPK: P127753 BKG: P127753								
Arsenic	106	104	81-123	2	20	N.D.	N.D.	0 (1)	20
Barium	103	104	78-118	0	20	0.0426	0.0405	5	20
Cadmium	103	103	83-116	0	20	N.D.	N.D.	0 (1)	20
Calcium	102	108	81-118	2	20	5.89	5.96	1	20
Chromium	103	104	81-120	1	20	N.D.	N.D.	0 (1)	20
Lead	107	106	75-125	1	20	N.D.	N.D.	0 (1)	20
Magnesium	102	108	75-125	2	20	2.72	2.75	1	20
Nickel	106	106	86-115	0	20	N.D.	N.D.	0 (1)	20
Selenium	104	105	75-125	0	20	N.D.	N.D.	0 (1)	20
Silver	101	100	75-125	0	20	N.D.	N.D.	0 (1)	20
Vanadium	105	105	90-111	0	20	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

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

Analysis Name: BTEX 25-ml purge
Batch number: H131971AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7127249	104	102	100	97
7127250	105	103	100	97
7127251	104	104	101	98
7127252	104	104	101	97
7127253	104	102	100	97
7127254	105	102	100	97
Blank	104	106	101	97
LCS	103	102	101	99

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Surrogate Quality Control

MS	103	102	102	101
MSD	103	101	101	99
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BTEX 25-ml purge
Batch number: H131981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7127255	106	105	99	96
7127256	106	104	98	97
7127257	105	105	99	96
7127258	106	107	99	97
7127259	106	106	99	97
7127260	107	106	99	96
7127261	107	110	99	98
7127262	106	109	99	98
7127263	107	106	99	97
7127264	106	106	100	98
7127265	107	107	99	98
7127266	105	107	99	97
7127271	106	106	99	97
7127272	106	106	99	97
7127273	106	109	100	97
7127274	106	108	98	97
7127275	106	106	99	97
Blank	105	105	99	96
LCS	105	106	100	100
MS	105	106	101	101
MSD	107	107	100	101
Limits:	77-114	74-113	77-110	78-110

Analysis Name: BTEX 25-ml purge
Batch number: I131971AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7127267	99	106	96	94
7127268	99	107	98	101
7127269	99	106	98	102
Blank	97	100	98	93
LCS	98	101	97	98
MS	99	107	98	101
MSD	99	106	98	102
Limits:	77-114	74-113	77-110	78-110

Analysis Name: PAHs in waters by SIM
Batch number: 13197WAE026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7127249	89	50*	96
7127250	87	53*	95
7127251	87	59*	91
7127252	95	60*	107

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

Quality Control Summary

Client Name: ExxonMobil Group Number: 1404076
Reported: 07/23/13 at 11:07 AM

Surrogate Quality Control

7127253	91	65	95
7127254	80	73	89
7127255	71	65	83
7127257	19*	14*	24*
7127258	88	49*	94
7127259	66	30*	80
7127260	88	44*	96
7127261	88	55*	95
7127262	84	49*	92
7127263	84	55*	94
7127264	88	55*	98
7127265	69	54*	86
Blank	91	100	99
LCS	94	91	93
LCSD	96	89	92
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13197WAF026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7127267	67	69	70
7127268	75	81	81
7127269	79	82	86
7127271	80	79	92
7127272	87	66	88
7127273	89	62	88
7127274	70	71	77
Blank	87	88	93
LCS	86	95	97
MS	75	81	81
MSD	79	82	86
Limits:	64-120	62-141	58-134

Analysis Name: PAHs in waters by SIM
Batch number: 13200WAB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
7127256	60*	68	86
7127266	73	72	85
Blank	99	111	101
LCS	95	105	94
LCSD	94	102	99
Limits:	64-120	62-141	58-134

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

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 14739 Group # 1404076 For Lancaster Laboratories use only Sample # 712749-75

Instructions on reverse side correspond with circled numbers.

1 OF 3

SCR#:

1 Client Information

Facility #/SID: MAYFLOWER PIPELINE INCIDENT

Site Address: MAYFLOWER, AR

ExxonMobil PM: SCOTT BUSHROE

Cost Center/AFE:

Consultant/Office: ARCADIS

Consultant PM: STEVE BARRICK

Consultant Phone #: 919 202 6779

Sampler: A. PARRINELLO / B. LOVGREN

2 Sample Identification

Sample Identification	Collected Date	Collected Time	3 Grab	3 Composite	4 Matrix: Soil	Sediment	Water	Ground	Potable	Surface	NPDES	Oil	Air	Total # of Containers	5 Analyses Requested: VOCs 8260	PAHs 8270	RCRA METALS + Ca, V, N (HARDNESS)
WS-003 (SURFACE) 071313	7/13/13	910	✓				✓							6	✓	✓	✓
WS-002 (SURFACE) 071313	7/13/13	945	✓				✓							6	✓	✓	✓
WS-005 (SURFACE) 071513	7/13/13	1010	✓				✓							6	✓	✓	✓
WS-001 (SURFACE) 071313	7/13/13	1045	✓				✓							6	✓	✓	✓
WS-001 (0.5-1.0) 071313	7/13/13	1050	✓				✓							6	✓	✓	✓
WS-004 (SURFACE) 071513	7/13/13	1110	✓				✓							6	✓	✓	✓
WS-004 (0.5-1.0) 071313	7/13/13	1115	✓				✓							6	✓	✓	✓
WS-007 (SURFACE) 071313	7/13/13	1200	✓				✓							6	✓	✓	✓
WS-007 (SURFACE) 071413 MS/MSD	7/14/13	~~1205~~ 1000 (A)	✓				✓							12	✓	✓	✓
WS-007 (0.5-1.0) 071313	7/13/13	~~950~~ 1205 (A)	✓				✓							6	✓	✓	✓
WS-006 (SURFACE) 071413	7/14/13	1030	✓				✓							6	✓	✓	✓
WS-006 (0.5-1.0) 071413	7/14/13	1045	✓				✓							6	✓	✓	✓

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

6 Remarks

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
	7/14/13	1500			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other SOUTHWEST			Received by	Date 7/15/13	Time 1530

Temperature Upon Receipt 0.8-23 °C

Custody Seals Intact? Yes / No

9

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

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

Issued by Dept. 40 Management 7053.01

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 14739 Group # 1404076 For Lancaster Laboratories use only Sample # 7127249-75

Instructions on reverse side correspond with circled numbers.

2 of 3

1 Client Information

Facility #/SID: MAYFLOWER PIPELINE INCIDENT

Site Address: MAYFLOWER, AR

ExxonMobil PM: SCOTT BUSHROE

Cost Center/AFE:

Consultant/Office: ARCADIS

Consultant PM: STEVE BARRICK

Consultant Phone #: 919 202 6779

Sampler: A. PARRINELLO / B. LOVGREN

4 Matrix

Soil ☐ Sediment ☐ Water ☑ (Ground ☐ Potable ☐ Surface ☑ NPDES ☐) Oil ☐ Air ☐

5 Analyses Requested

Preservation Code: H

2 Sample Identification	Collected Date	Collected Time	3 Grab	Composite	Total # of Containers	VOCs 8260	PAHs 8270	RCRA METALS (Ca, V, Mg HARDNESS)
WS-003 (SURFACE) 071413	7/14/13	815	✓		6	✓	✓	✓
WS-002 (SURFACE) 071413	7/14/13	830	✓		6	✓	✓	✓
WS-005 (SURFACE) 071413	7/14/13	850	✓		6	✓	✓	✓
WS-001 (SURFACE) 071413	7/14/13	920	✓		6	✓	✓	✓
WS-001 (0.5-1.0) 071413	7/14/13	925	✓		6	✓	✓	✓
WS-004 (SURFACE) 071413	7/14/13	935	✓		6	✓	✓	✓
WS-004 (0.5-1.0) 071413	7/14/13	940	✓		6	✓	✓	✓
WS-007 (SURFACE) 071413	7/14/13	1000	✓		6	✓	✓	✓
WS-007 (0.5-1.0) 071413	7/14/13	1005	✓		6	✓	✓	✓
WS-006 (SURFACE) 071313	7/13/13	1305	✓		6	✓	✓	✓
WS-006 (0.5-1.0) 071313	7/13/13	1310	✓		6	✓	✓	✓
WS-DUP-55 071313	7/13/13	—	✓		6	✓	✓	✓

SCR#:

Preservation Codes

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

6 Remarks

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
	7/14/13	1500			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS ___ FedEx ___ Other SOUTHWEST			Received by	7/15/13	1530

Temperature Upon Receipt 0.8-2.3 °C

Custody Seals Intact? (Yes) No

9

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

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

Issued by Dept. 40 Management 7053.01

ExxonMobil Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 14739 Group # 1404076 For Lancaster Laboratories use only Sample # 7127249-75

Instructions on reverse side correspond with circled numbers.

3 of 3

1 Client Information

Facility #/SID: MAYFLOWER, ~~PIPELINE~~ INCIDENT

Site Address: MAY FLOWER, AR

ExxonMobil PM: SCOTT BUSHROE

Cost Center/AFE:

Consultant/Office: ARCADIS

Consultant PM: STEVE BARRICK

Consultant Phone #: 919 202 6779

Sampler: A. PARRINELLO / B. LOVGREN

2 Sample Identification

3 Collected

Sample Identification	Date	Time	Grab	Composite
WS-TB-96-071413	7/14/13	—	✓	

4 Matrix

Sample Identification	Soil	Sediment	Water: Ground	Water: Potable	Water: NPDES	Water: Surface	Oil	Air
WS-TB-96-071413						✓		

5 Analyses Requested

Preservation Code

Sample Identification	Total # of Containers	VOCs 8260	Preservation Code
WS-TB-96-071413	2	✓	H

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

SCR#:

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

Standard: 5 day | 4 day

72 hour | 48 hour | 24 hour

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

NJ Reduced

Other

EDD (circle if required)

Locus EIM (default)

Other

9

	Date	Time	Received by	Date	Time
Relinquished by	7/14/13	1500			
Relinquished by					
Relinquished by					
Relinquished by Commercial Carrier			Received by	7/15/13	1530

UPS ____ FedEx ____ Other SOUTHWEST

Temperature Upon Receipt 0.8-23.9 °C

Custody Seals Intact? Yes No

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

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

Issued by Dept. 40 Management

7053.01

Rachel L. Kreamer A# 14739 Gr. 1404076 Samples 7127249-75

From: Mott, Lyndi [Lyndi.Mott@arcadis-us.com]
Sent: Tuesday, July 16, 2013 11:31 AM
To: Rachel L. Kreamer
Cc: Kathy Klinefelter
Subject: RE: Collection time discrepancies on surface waters received Monday

There is no change in the request for metals. SW should be 8 RCRA metals plus Ni, V, Ca, Mg, and Ca-Mg hardness calculation.

They are starting to collect dissolved metals. The list is the same except no Ca, Mg, and Ca-Mg hardness calculation.

Lyndi

-----Original Message-----
From: Rachel L. Kreamer [mailto:RKreamer@lancasterlabs.com]
Sent: Tuesday, July 16, 2013 10:29 AM
To: Mott, Lyndi
Cc: Kathy Klinefelter
Subject: RE: Collection time discrepancies on surface waters received Monday

Thanks.

After I sent this we noticed that Mg is missing from chain 1 and Ni is missing from chain 2. Assuming there has been no change to the metals we'll go ahead and report results for them.

Rachel

-----Original Message-----
From: Mott, Lyndi [mailto:Lyndi.Mott@arcadis-us.com]
Sent: Tuesday, July 16, 2013 11:26 AM
To: Rachel L. Kreamer
Cc: Kathy Klinefelter
Subject: RE: Collection time discrepancies on surface waters received Monday

Rachel,

The collection times on the coc are correct.

Lyndi Mott

-----Original Message-----
From: Rachel L. Kreamer [mailto:RKreamer@lancasterlabs.com]
Sent: Tuesday, July 16, 2013 9:37 AM
To: Mott, Lyndi
Cc: Kathy Klinefelter
Subject: Collection time discrepancies on surface waters received Monday

Lyndi,

I attached the surface water chains and doc log for the samples we received on Monday. There are two samples with discrepancies on collection times.

WS-006(surface)071313, chain says 1305, labels say 1235.
WS-006(0.5-1.0)071313, chain says 1310, labels say 1240.

Which collection times should we use?

Thanks
Rachel

eurofins | Lancaster Laboratories

G-1404076

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Mayflower

Date of Receipt: 7/15/13

Time of Receipt: 1530

Source Code: 01 ~~01~~ ~~00~~ 7/15/13 amc 7/15/13 (3)

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

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

Package: (Chilled) Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	DT121	1.2°c	TB	WI	Y	B	
2	↓	1.4°c	↓	↓	↓	↓	
3	↓	2.3°c	↓	↓	↓	↓	
4	↓	0.8°c	↓	↓	↓	↓	
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: (1)

Paperwork Discrepancy/Unpacking Problems:

Gr. WS-006 (Surface) 07/3/13 Says 1235 on bottles, not 1305

1404076 WS-006 (0.5-10) 07/3/13 Says 1240 on bottles, not 1310

Unpacker Signature/Emp#: 1259 **Date/Time:** 7/15/13 1701

Issued by Dept. 6042 Management

2174.06

eurofins | Lancaster Laboratories Environmental

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.