Appendix G

Analytical Data Tables

Sheen Sampling Data Table

Appendix G - Analytical Data Tables
Sheen Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
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Sample ID		COVE-005	COVE-006	COVE-007	COVE-008	COVE-009	COVE-010
Sample Date		9/3/2014	9/25/2014	9/25/2014	9/25/2014	9/29/2014	10/20/2014
Cove Sheen Sampling Area		Downstream of Construction Area	Open Water Area	Open Water Area	Open Water Area	Downstream of Construction Area	Downstream of Construction Area
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PAHs							
cis/trans-Decalin (Decahydronaphthalene)	ng/net	<10 U	2040	<10 U	26.8	<10 U	<10 U
C1-Decalins	ng/net	<10 U	4676	<10 U	50.9	<10 U	<10 U
C2-Decalins	ng/net	<10 U	11186	<10 U	142	<10 U	<10 U
C3-Decalins	ng/net	<10 U	26631	<10 U	241	<10 U	<10 U
C4-Decalins	ng/net	<10 U	34479	<10 U	490	<10 U	<10 U
Naphthalene	ng/net	10.2	804	6.71 J	8.68 J	53.5	4.25 J
C1-Naphthalenes	ng/net	8.68 J	9308	10.1	19.2	7.98 J	2.85 J
C2-Naphthalenes	ng/net	11.3	38729	66.8	181	19.6	5.80 J
C3-Naphthalenes	ng/net	12.8	60517	252	539	35.7	<10 U
C4-Naphthalenes	ng/net	<10 U	51767	308	811	<10 U	<10 U
Benzothiophene	ng/net	<10 U	206	<10 U	0.931 J	<10 U	<10 U
C1-Benzothiophenes	ng/net	<10 U	1868	<10 U	11.7	<10 U	<10 U
C2-Benzothiophenes	ng/net	<10 U	7591	<10 U	28.0	<10 U	<10 U
C3-Benzothiophenes	ng/net	<10 U	18788	<10 U	157	<10 U	<10 U
C4-Benzothiophenes	ng/net	<10 U	23226	<10 U	339	<10 U	<10 U
1,1-Biphenyl	ng/net	2.10 J	1255	2.49 J	3.75 J	3.65 J	1.10 J
Acenaphthylene	ng/net	0.39 J	384	<10 U	3.73 J	<10 U	0.244 J
Acenaphthene	ng/net	0.85 J	783	<10 U	3.75 J	<10 U	<10 U
Dibenzofuran	ng/net	5.29 J	1112	9.79 J	13.6	13.7	3.82 J
Fluorene	ng/net	4.50 J	3137	13.1	24.4	10.2	4.07 J
C1-Fluorenes	ng/net	2.39 J	11659	17.6	139	<10 U	2.22 J
C2-Fluorenes	ng/net	<10 U	23989	266	461	<10 U	<10 U
C3-Fluorenes	ng/net	<10 U	25717	647	860	<10 U	<10 U
Carbazole	ng/net	1.35 J	283	<10 U	8.34 J	12.0	<10 U
Anthracene	ng/net	1.71 J	244	3.00 J	6.34 J	<10 U	1.0 J
Phenanthrene	ng/net	16.9	9202	78.4	131	57.7	22.1
C1-Phenanthrenes/Anthracenes	ng/net	76.8	28181	431	686	75.8	<10 U
C2-Phenanthrenes/Anthracenes	ng/net	55.4	49195	1264	1644	<10 U	<10 U
C3-Phenanthrenes/Anthracenes	ng/net	<10 U	57113	1970	2295	<10 U	<10 U
C4-Phenanthrenes/Anthracenes	ng/net	<10 U	30358	1281	1763	<10 U	<10 U
Dibenzothiophene	ng/net	1.80 J	7823	38.9	88.6	7.16 J	1.41 J
C1-Dibenzothiophenes	ng/net	1.42 J	28765	309	575	12.8	1.36 J
C2-Dibenzothiophenes	ng/net	3.55 J	51555	1157	1561	20.0	3.45 J
C3-Dibenzothiophenes	ng/net	2.67 J	59426	2113	2470	<10 U	5.31 J
C4-Dibenzothiophenes	ng/net	1.22 J	43361	1815	2077	<10 U	5.75\ J
Fluoranthene	ng/net	5.25 J	1193	36.1	40.8	9.14 J	3.92 J
Pyrene	ng/net	3.14 J	2619	66.7	84.1	3.82 J	2.33 J
C1-Fluoranthenes/Pyrenes	ng/net	1.86 J	11535	385	379	<10 U	2.87 J
C2-Fluoranthenes/Pyrenes	ng/net	<10 U	14089	487	592	<10 U	4.80 J

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Sample ID		COVE-005	COVE-006	COVE-007	COVE-008	COVE-009	COVE-010
Sample Date		9/3/2014	9/25/2014	9/25/2014	9/25/2014	9/29/2014	10/20/2014
Cove Sheen Sampling Area		Downstream of Construction Area	Open Water Area	Open Water Area	Open Water Area	Downstream of Construction Area	Downstream of Construction Area
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
C3-Fluoranthenes/Pyrenes	ng/net	<10 U	15444	639	696	<10 U	4.57 J
C4-Fluoranthenes/Pyrenes	ng/net	<10 U	13720	372	540	<10 U	4.96 J
Naphthobenzothiophene	ng/net	<10 U	6149	238	279	<10 U	<10 U
C1-Naphthobenzothiophenes	ng/net	<10 U	19026	867	1042	<10 U	<10 U
C2-Naphthobenzothiophenes	ng/net	<10 U	29590	1581	1860	<10 U	<10 U
C3-Naphthobenzothiophenes	ng/net	<10 U	32756	1455	1837	<10 U	<10 U
C4-Naphthobenzothiophenes	ng/net	<10 U	20372	810	802	<10 U	<10 U
Benzo(a)Anthracene	ng/net	0.899 J	509	14.6	16.7	1.11 J	1.65 J
Chrysene/Triphenylene	ng/net	0.963 J	2865	123	141	4.28 J	2.41 J
C1-Chrysenes	ng/net	1.62 J	9489	359	448	<10 U	4.37 J
C2-Chrysenes	ng/net	<10 U	13364	619	649	<10 U	<10 U
C3-Chrysenes	ng/net	<10 U	10041	429	388	<10 U	<10 U
C4-Chrysenes	ng/net	<10 U	9486	351	251	<10 U	<10 U
Benzo(b)Fluoranthene	ng/net	<10 U	784	62.6	49.3	<10 U	2.06 J
Benzo(j,k)Fluoranthene	ng/net	<10 U	109	19.5	8.01 J	<10 U	0.523 J
Benzo(a)Fluoranthene	ng/net	<10 U	<100 U	<10 U	<10 U	<10 U	<10 U
Benzo(e)Pyrene	ng/net	<10 U	1404	68.5	75.2	<10 U	0.481 J
Benzo(a)Pyrene	ng/net	<10 U	906	34.0	35.5	<10 U	<10 U
Perylene	ng/net	10.9	926	34.5	41.8	<10 U	0.554 J
Indeno[1,2,3-cd]Pyrene	ng/net	<10 U	323	20.0	21.1	<10 U	0.94 J
Dibenz(a,h)Anthracene	ng/net	<10 U	248	12.0	12.5	<10 U	<10 U
Benzo(g,h,i)Perylene	ng/net	<10 U	1454	82.4	84.7	<10 U	1.47 J
Total PAHs	ng/net	246	943756	21225	28236	348	103
Individual PAH Alkyl Isomers and Hopanes							
2-Methylnaphthalene	ng/net	9.10 J	7849	9.15 J	15.6	8.86 J	2.39 J
1-Methylnaphthalene	ng/net	3.71 J	6950	6.78 J	15.0	3.65 J	1.58 J
Naphthalene, 2,6-dimethyl-	ng/net	1.80 J	9442	14.4	42.6	2.75 J	2.24 J
1,6,7-Trimethylnaphthalene	ng/net	0.681 J	6828	25.4	66.5	1.44 J	<10 U
1-Methylfluorene	ng/net	1.27 J	9434	104	104	<10 U	1.19 J
4-Methyldibenzothiophene(4MDT)	ng/net	1.0 J	17858	188	357	8.66 J	0.983 J
2/3-Methyldibenzothiophene(2MDT)	ng/net	0.857 J	13383	140	261	4.66 J	0.692 J
1-Methyldibenzothiophene(1MDT)	ng/net	0.319 J	10503	121	217	5.27 J	0.326 J
3-Methylphenanthrene (3MP)	ng/net	2.19 J	7482	91.4	157	7.16 J	<10 U
Phenanthrene, 2-methyl-	ng/net	3.60 J	8926	113	193	7.78 J	<10 U
2-Methylanthracene	ng/net	93.2	475	78.3	84.2	68.6	<10 U
9/4-Methylphenanthrene (9MP)	ng/net	1.63 J	11321	159	260	6.49 J	<10 U
1-Methylphenanthrene	ng/net	1.62 J	6883	94.2	160	4.31 J	<10 U
3,6-Dimethylphenanthrene	ng/net	0.862 J	2660	75.6	100	<10 U	<10 U
Retene	ng/net	<10 U	2866	118	143	<10 U	<10 U
2-Methylfluoranthene	ng/net	0.409 J	773	27.8	34.0	<10 U	0.367 J

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Sample Date		9/3/2014	9/25/2014	9/25/2014	9/25/2014	9/29/2014	10/20/2014
Cove Sheen Sampling Area		Downstream of Construction Area	Open Water Area	Open Water Area	Open Water Area	Downstream of Construction Area	Downstream of Construction Area
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Benzo(b)fluorene	ng/net	0.207 J	1445	27.3	36.2	<10 U	0.388 J
C29-Hopane	ng/net	<10 U	21554	1761	1867	<10 U	12.1
18a-Oleanane	ng/net	<10 U	<100 U	<10 U	<10 U	<10 U	<10 U
C30-Hopane	ng/net	<10 U	26197	2082	2215	<10 U	16.3
C20-TAS	ng/net	<10 U	6313	374	395	<10 U	<10 U
C21-TAS	ng/net	<10 U	8484	435	465	<10 U	<10 U
C26(20S)-TAS	ng/net	<10 U	9381	671	644	<10 U	<10 U
C26(20R)/C27(20S)-TAS	ng/net	<10 U	29103	1815	2111	<10 U	<10 U
C28(20S)-TAS	ng/net	<10 U	24356	1529	1541	<10 U	<10 U
C27(20R)-TAS	ng/net	<10 U	19980	1382	1357	<10 U	<10 U
C28(20R)-TAS	ng/net	<10 U	22326	1327	1440	<10 U	<10 U
Aliphatic Petroleum Hydrocarbons							
n-C9 (Nonane)	µg/net	<0.288 U	3.629	<0.35 U	<0.35 U	<0.35 U	<0.35 U
n-C10 (n-Decane)	µg/net	<0.252 U	7.426	<0.35 U	<0.35 U	<0.35 U	<0.35 U
n-C11 (n-Undecane)	µg/net	<0.251 U	17.278	<0.35 U	<0.35 U	<0.35 U	<0.35 U
n-C12 (n-Dodecane)	µg/net	<0.266 U	32.907	0.095 J	<0.35 U	0.308 J	<0.35 U
n-C13 (n-Tridecane)	µg/net	<0.258 U	46.452	0.093 J	<0.35 U	0.513	<0.35 U
i-C15	µg/net	<0.256 U	56.511	0.292 J	0.467	1.099	<0.35 U
n-C14 (n-Tetradecane)	µg/net	<0.277 U	51.991	0.172 J	<0.35 U	0.513	<0.35 U
i-C16	µg/net	<0.234 U	66.777	0.384	0.760	0.159 J	<0.35 U
n-C15 (Pentadecane)	µg/net	<0.256 U	57.822	0.220 J	<0.35 U	1.573	<0.35 U
n-C16 (n-Hexadecane)	µg/net	<0.234 U	43.358	0.215 J	<0.35 U	0.467	<0.35 U
i-C18	µg/net	<0.1 U	55.262	0.706	1.219	0.216 J	<0.35 U
n-C17 (Heptadecane)	µg/net	<0.174 U	22.715	0.185 J	<0.35 U	0.933	0.091 J
Pristane (2,6,10,14-Tetramethylpentadecane)	µg/net	<0.19 U	75.051	1.195	1.876	0.574	<0.35 U
n-C18 (Octadecane)	µg/net	<0.1 U	11.306	0.227 J	<0.35 U	1.522	0.091 J
Phytane (Hexadecane, 2,6,10,14-tetramethyl-)	µg/net	<0.201 U	87.221	2.163	2.418	0.180 J	<0.35 U
n-C19 (Nonadecane)	µg/net	<0.073 U	22.219	0.304 J	<0.35 U	1.297	0.080 J
n-C20 (Eicosane)	µg/net	<0.077 U	12.204	0.457	<0.35 U	0.441	0.055 J
n-C21 (Heneicosane)	µg/net	<0.081 U	8.380	0.533	<0.35 U	1.010	0.102 J
n-C22 (Docosane)	µg/net	<0.15 U	5.195	0.861	<0.35 U	0.832	0.027 J
n-C23 (Tricosane)	µg/net	0.101 J	3.872	0.621	<0.35 U	0.309 J	0.048 J
n-C24 (Tetracosane)	µg/net	0.313	2.465	1.096	<0.35 U	0.919	0.119 J
n-C25 (Pentacosane)	µg/net	0.554	<0.35 U	1.404	<0.35 U	0.820	0.077 J
n-C26 (Hexacosane)	µg/net	1.65	<0.35 U	2.406	<0.35 U	0.462	0.130 J
n-C27 (Heptacosane)	µg/net	3.195	<0.35 U	3.416	<0.35 U	1.166	0.283 J
n-C28 (Octacosane)	µg/net	4.016	<0.35 U	4.430	<0.35 U	0.982	0.820
n-C29 (Nonacosane)	µg/net	4.626	<0.35 U	5.904	<0.35 U	1.428	0.474
n-C30 (n-Triacontane)	µg/net	4.439	<0.35 U	3.626	<0.35 U	0.663	0.436
n-C31 (Hentriacontane)	µg/net	4.388	<0.35 U	3.158	<0.35 U	1.219	0.684

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Sample ID		COVE-005	COVE-006	COVE-007	COVE-008	COVE-009	COVE-010
Sample Date		9/3/2014	9/25/2014	9/25/2014	9/25/2014	9/29/2014	10/20/2014
Cove Sheen Sampling Area		Downstream of Construction Area	Open Water Area	Open Water Area	Open Water Area	Downstream of Construction Area	Downstream of Construction Area
Analyte	**Units**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
n-C32 (Dotriacontane)	µg/net	3.426	<0.35 U	1.682	<0.35 U	<0.35 I	0.487
n-C33	µg/net	2.705	<0.35 U	0.991	<0.35 U	<0.35 I	0.482
n-C34 (Tetratriacontane)	µg/net	2.223	<0.35 U	0.852	<0.35 U	<0.35 U	0.307 J
n-C35	µg/net	1.628	<0.35 U	0.667	<0.35 U	<0.35 U	0.186 J
n-C36 (Hexatriacontane)	µg/net	1.174	<0.35 U	0.256 J	<0.35 U	<0.35 U	0.133 J
n-C37	µg/net	1.108	<0.35 U	0.403	<0.35 U	<0.35 U	0.133 J
n-C38 (Octatriacontane)	µg/net	0.712	<0.35 U	0.162 J	<0.35 U	<0.35 U	0.098 J
n-C39 (Nonatriacontane)	µg/net	0.481	<0.35 U	0.123 J	<0.35 U	<0.35 U	0.098 J
n-C40 (Tetracontane)	µg/net	0.373	<0.35 U	0.117 J	<0.35 U	<0.35 U	0.102 J
EOM (Extracted Organic Material)	µg/net	660	144510	7830	7110	162030	810
Total Alkanes	µg/net	37	690	39	7	20	5.5
Total Petroleum Hydrocarbons (C9-C44)	µg/net	116	71648	6028	4128	12160	40
Total Resolveable Hydrocarbons (C9-C44)	µg/net	54	4377	153	170	2534	19 J
Unresolved Complex Mixture (C9-C44)	µg/net	62	67270	5874	3959	9625	22

Notes:

< = compound was not detected

I = The associated numerical value is an estimated concentration due to presence of analytical interference.

i-C = isoalkane (branched alkane) with associated number of carbons shown

J = compound detected below the method detection limit. The associated numerical value is an estimated concentration.

µg/net = micrograms per sheen sample net

n-C = normal (straight-chain) alkane with associated number of carbons shown

ng/net = nanograms per sheen sample net

TAS = triaromatic sterane

U = compound was not detected

ARCADIS

Weekly Surface Water Sampling Tables

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Summary

Mayflower Pipeline Incident Response
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Week	WS-001	WS-004	WS-006	WS-007	WS-008	WS-009	WS-010		WS-011		WS-012		WS-014		WS-015		WS-020	WS-021
	Deep	Deep	Deep	Deep	Shallow	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Shallow	Shallow
02/10/2014-02/16/2014	X	X	X	X	DRY	X	X	X	X	X	X	X	X	X	X	X	X	X
02/17/2014-02/23/2014	X	X	X	X	DRY	X	X	X	X	X	X	X	X	X	X	X	X	X
02/24/2014-03/02/2014	X	X	X	X	DRY	X	X	X	X	X	X	X	X	X	X	X	X	X
03/03/2014-03/09/2014	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
03/10/2014-03/16/2014	X	X	X	X	DRY	X	X	X	X	X	X	X	X	X	X	X	X	X
03/17/2014-03/23/2014	X	X	X	X	DRY	X	X	X	X	X	X	X	X	X	X	X	X	X
03/24/2014-03/30/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
03/31/2014-04/06/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
04/07/2014-04/13/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
04/14/2014-04/20/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
04/21/2014-04/27/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
04/28/2014-05/04/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
05/05/2014-05/11/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
05/12/2014-05/18/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
05/19/2014-05/25/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
05/26/2014-06/01/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
06/02/2014-06/08/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
06/09/2014-06/15/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
06/16/2014-06/22/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
06/23/2014-06/29/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
06/30/2014-07/06/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
07/07/2014-07/13/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
07/14/2014-07/20/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
07/21/2014-07/27/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
07/28/2014-08/03/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
08/04/2014-08/10/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
08/11/2014-08/17/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
08/18/2014-08/24/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
08/25/2014-08/31/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
09/01/2014-09/07/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
09/08/2014-09/14/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
09/15/2014-09/21/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
09/22/2014-09/28/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
09/29/2014-10/05/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
10/06/2014-10/12/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
10/13/2014-10/19/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
10/20/2014-10/26/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
10/27/2014-11/02/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
11/03/2014-11/09/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Summary

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
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Week	WS-001	WS-004	WS-006	WS-007	WS-008	WS-009	WS-010		WS-011		WS-012		WS-014		WS-015		WS-020	WS-021
	Deep	Deep	Deep	Deep	Shallow	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Deep	Shallow	Shallow	Shallow
11/10/2014-11/16/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
11/17/2014-11/23/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
12/01/2014-12/07/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
12/08/2014-12/14/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
12/15/2014-12/21/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
12/22/2014-12/28/2014	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
12/29/2014-01/04/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
01/05/2015-01/11/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
01/12/2015-01/18/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
01/19/2015-01/25/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
01/26/2015-02/01/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
02/02/2015-02/08/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
02/09/2015-02/15/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
02/16/2015-02/22/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
02/23/2015-02/28/2015	X	X	NS	X	NS	X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X
Total	**54**	**54**	**6**	**54**	**1**	**54**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**	**54**

Notes:

1. Locations and analytes sampled from February 10 through March 23, 2014, are based on the Surface Water Sampling and Analysis Plan submitted to the ADEQ on November 1, 2013.
2. After March 23, 2014, samples were collected at five locations (WS-001, WS-004, WS-007, WS-009, and WS-021) based on the Surface Water Sampling and Analysis Plan (ARCADIS 2014).
3. Sample counts do not include field duplicates.

ADEQ = Arkansas Department of Environmental Quality
DRY = insufficient water at location, therefore no samples were collected.
NS = no samples were collected at the location.
X = sample(s) was collected from the specified location during the specified week.

Reference:

ARCADIS. 2014. Surface Water Sampling and Analysis Plan, Revision 10. Mayflower Pipeline Incident Response, Mayflower, Arkansas. March 21.

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
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Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		2/12/2014	2/19/2014	2/26/2014	3/6/2014	3/13/2014	3/20/2014	3/27/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)021214	WS-001(0.5-1.0)021914	WS-001(0.5-1.0)022614	WS-001(0.5-1.0)030614	WS-001(0.5-1.0)031314	WS-001(0.5-1.0)032014	WS-001(0.5-1.0)032714
	Units							
Field Parameters								
Conductivity	µS/cm	48	45	47	51	46	51	48
Dissolved Oxygen	mg/l	12.56	12.72	10.1	11.52	9.89	11.67	10.47
pH	SU	6.08	7.03	6.04	5.91	6.19	6.19	6.15
Temperature	deg C	2.77	10.99	10.45	4.47	11.91	12.65	13.07
Turbidity	NTU	14.9	12.4	11.6	39.2	8.6	12.9	7.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	0.021 J	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	0.014 J	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	0.016 J	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	0.016 J	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	0.012 J	< 0.051 U	< 0.051 U	0.030 J	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	0.015 J	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	0.032 J	< 0.051 U	< 0.051 U	0.020 J	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

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Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		4/2/2014	4/9/2014	4/17/2014	4/24/2014	5/1/2014	5/8/2014	5/15/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)040214	WS-001(0.5-1.0)040914	WS-001(0.5-1.0)041714	WS-001(0.5-1.0)042414	WS-001(0.5-1.0)050114	WS-001(0.5-1.0)050814	WS-001(0.5-1.0)051514
	Units							
Field Parameters								
Conductivity	µS/cm	49	49	42	51	53	53	49
Dissolved Oxygen	mg/l	9.97	11.3	10.51	9.59	10.4	10.99	9.59
pH	SU	6.27	6.78	6.54	6.87	6.65	6.33	6.49
Temperature	deg C	17.66	18.21	20.1	22.23	19.48	22.8	20.5
Turbidity	NTU	8.5	10.7	17.1	4.5	10.39	21.4	20.5
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	0.014 J	< 0.051 UB	< 0.052 U	< 0.054 U	< 0.058 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	0.011 J	< 0.051 U	< 0.052 UJ	< 0.054 U	< 0.058 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	0.013 J	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 UB	< 0.051 U	< 0.052 UJ	< 0.054 U	< 0.058 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	0.011 J	< 0.051 U	< 0.052 UJ	< 0.054 U	< 0.058 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	0.011 J	< 0.051 U	< 0.052 UJ	< 0.054 U	< 0.058 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 UJ	< 0.054 UJ	< 0.058 UJ
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	0.011 J	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 UB	0.013 J	< 0.052 UJ	< 0.054 U	< 0.058 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	0.039 J	< 0.051 U	0.053	< 0.054 U	< 0.058 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.054 U	< 0.058 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

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Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		5/22/2014	5/29/2014	6/5/2014	6/12/2014	6/19/2014	6/26/2014	7/2/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)052214	WS-001(0.5-1.0)052914	WS-001(0.5-1.0)060514	WS-001(0.5-1.0)061214	WS-001(0.5-1.0)061914	WS-001(0.5-1.0)062614	WS-001(0.5-1.0)070214
	Units							
Field Parameters								
Conductivity	µS/cm	52	50	51	41	47	51	50
Dissolved Oxygen	mg/l	9.35	9.48	7.61	8.38	7.09	4.65	6.36
pH	SU	8.61	7.74	6.76	6.92	6.94	6.64	6.58
Temperature	deg C	25.44	25.5	27.18	25.17	29.22	27.78	28.7
Turbidity	NTU	19.9	28.5	17.2	19.2	23.7	26.7	40.5
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Acenaphthene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Acenaphthylene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 UJ
Benzo(k)Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Chrysene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 UJ
Fluoranthene	µg/l	< 0.052 U	< 0.051 U	0.013 J	< 0.052 U	< 0.051 UJ	< 0.050 U	< 0.050 U
Fluorene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 UJ
Naphthalene	µg/l	< 0.052 U	< 0.051 U	0.078	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Phenanthrene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U
Pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.050 U

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Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		7/10/2014	7/17/2014	7/24/2014	7/31/2014	8/7/2014	8/14/2014	8/21/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)071014	WS-001(0.5-1.0)071714	WS-001(0.5-1.0)072414	WS-001(0.5-1.0)073114	WS-001(0.5-1.0)080714	WS-001(0.5-1.0)081414	WS-001(0.5-1.0)082114
	Units							
Field Parameters								
Conductivity	µS/cm	50	53	50	55	52	58	59
Dissolved Oxygen	mg/l	4.95	7.56	3.12	6.03	1.46	6.61	2.35
pH	SU	6.67	6.55	6.49	7.15	6.66	9.1	6.7
Temperature	deg C	28.53	27.29	26.04	26.78	28.67	30.76	29.42
Turbidity	NTU	25	26	25.2	26	28.1	35.2	25.5
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	0.033 J
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.051 U

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Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		8/28/2014	9/5/2014	9/12/2014	9/18/2014	9/25/2014	10/2/2014	10/10/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)082814	WS-001(0.5-1.0)090514	WS-001(0.5-1.0)091214	WS-001(0.5-1.0)091814	WS-001(0.5-1.0)092514	WS-001(0.5-1.0)100214	WS-001(0.5-1.0)101014
	Units							
Field Parameters								
Conductivity	µS/cm	61	61	61	61	62	66	60
Dissolved Oxygen	mg/l	4.09	7.21	4.75	9.88	8.2	9.8	5.96
pH	SU	7.25	8.42	6.64	8.79	8.1	7.12	7.28
Temperature	deg C	32.35	32.77	23.89	26.27	29.39	26.1	23.36
Turbidity	NTU	31.2	25.8	28.7	70.5	27.6	31.7	23.5
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Naphthalene	µg/l	< 0.061 U	< 0.061 U	< 0.060 U	< 0.060 U	< 0.061 U	< 0.061 UJ	< 0.061 U
Phenanthrene	µg/l	< 0.061 U	< 0.061 U	< 0.060 U	< 0.060 U	< 0.061 U	< 0.061 UJ	< 0.061 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U	< 0.051 U	0.011 J	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		10/16/2014	10/23/2014	10/30/2014	11/7/2014	11/13/2014	11/21/2014	12/5/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)101614	WS-001(0.5-1.0)102314	WS-001(0.5-1.0)103014	WS-001(0.5-1.0)110714	WS-001(0.5-1.0)111314	WS-001(0.5-1.0)112114	WS-001(0.5-1.0)120514
	Units							
Field Parameters								
Conductivity	µS/cm	56	56	57	55	59	69	55
Dissolved Oxygen	mg/l	7.09	7.92	6.52	7.13	11.7	12.35	9.98
pH	SU	7.6	7.72	7.42	7.69	7.53	6.1	6.21
Temperature	deg C	20.43	19.69	18.12	14.72	9.22	7.5	7.11
Turbidity	NTU	21.6	22.3	33.6	23.8	67.5	13.8	31
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Fluorene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Naphthalene	µg/l	< 0.060 UJ	< 0.061 UJ	0.049 J	< 0.061 U	< 0.061 U	< 0.060 U	< 0.061 U
Phenanthrene	µg/l	< 0.060 U	< 0.061 UJ	< 0.061 U	< 0.061 U	< 0.061 U	< 0.060 U	< 0.061 U
Pyrene	µg/l	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-001	WS-001
Sample Date		12/11/2014	12/16/2014	12/22/2014	12/30/2014	1/6/2015	1/13/2015	1/20/2015
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)121114	WS-001(0.5-1.0)121614	WS-001(0.5-1.0)122214	WS-001(0.5-1.0)123014	WS-001(0.5-1.0)010615	WS-001(0.5-1.0)011315	WS-001(0.5-1.0)012015
	Units							
Field Parameters								
Conductivity	µS/cm	64	54	63	71	48	49	47
Dissolved Oxygen	mg/l	10.58	9.73	8.65	8.45	11.56	11.3	7.85
pH	SU	6.44	6.44	6.83	6.23	6.1	6.28	6.53
Temperature	deg C	9.68	10.53	9.1	5.22	6.16	4.6	8.79
Turbidity	NTU	19.9	14	16.6	69.9	37.7	44.5	12.5
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	0.013 J	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 UJ	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	0.014 J	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 UJ	< 0.052 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	0.022 J	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	< 0.052 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 UJ	< 0.052 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.060 U	< 0.066 U	< 0.060 U	< 0.067 U	< 0.063 U	< 0.061 U	< 0.061 UJ
Phenanthrene	µg/l	< 0.060 U	< 0.066 U	< 0.060 U	< 0.067 U	< 0.063 U	< 0.061 U	< 0.061 U
Pyrene	µg/l	< 0.050 U	< 0.055 U	< 0.050 U	< 0.056 U	0.017 J	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-001	WS-001	WS-001	WS-001	WS-001	WS-004	WS-004
Sample Date		1/27/2015	2/3/2015	2/10/2015	2/19/2015	2/26/2015	2/12/2014	2/19/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-001(0.5-1.0)012715	WS-001(0.5-1.0)020315	WS-001(0.5-1.0)021015	WS-001(0.5-1.0)021915	WS-001(0.5-1.0)022615	WS-004(0.5-1.0)021214	WS-004(0.5-1.0)021914
	Units							
Field Parameters								
Conductivity	µS/cm	51	46	47	50	67	40	41
Dissolved Oxygen	mg/l	10.78	9.2	9.55	18.5	10.6	11.79	12
pH	SU	5.92	5.61	5.59	6.42	5.09	6.18	6.89
Temperature	deg C	11	9.1	9.69	5.51	4.85	3.79	13.44
Turbidity	NTU	13.2	14.5	9.8	12.3	50.8	34.6	19
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Acenaphthene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Acenaphthylene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	0.020 J	0.018 J	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Chrysene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	0.015 J	0.013 J	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	0.022 J	0.016 J	< 0.051 U
Fluorene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.050 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	0.015 J	< 0.050 U	< 0.051 U
Naphthalene	µg/l	< 0.062 U	< 0.060 U	< 0.062 U	< 0.061 U	< 0.062 U	< 0.050 U	< 0.051 U
Phenanthrene	µg/l	< 0.062 U	< 0.060 U	< 0.062 U	< 0.061 U	< 0.062 U	< 0.050 U	< 0.051 U
Pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	0.015 J	0.015 J	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		2/26/2014	3/6/2014	3/13/2014	3/20/2014	3/27/2014	4/2/2014	4/9/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)022614	WS-004(0.5-1.0)030614	WS-004(0.5-1.0)031314	WS-004(0.5-1.0)032014	WS-004(0.5-1.0)032714	WS-004(0.5-1.0)040214	WS-004(0.5-1.0)040914
	Units							
Field Parameters								
Conductivity	µS/cm	41	46	44	49	47	51	51
Dissolved Oxygen	mg/l	10.32	11.52	10.04	11.19	10.24	10.07	11.71
pH	SU	6.02	6.15	6.31	6.29	6.25	6.61	7
Temperature	deg C	10.79	4.5	12.37	13.18	12.42	18.69	18.92
Turbidity	NTU	22.8	49.3	12.9	30.3	14.6	10.7	31.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	0.011 J	< 0.051 U	0.021 J	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	0.030 J	0.011 J	0.034 J	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	0.012 J	< 0.051 U	0.037 J	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	0.011 J	< 0.051 U	0.027 J	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	0.022 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	0.037 J	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	0.041 J	0.014 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	0.011 J	< 0.051 U	0.039 J	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.050 U	0.027 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		4/17/2014	4/24/2014	5/1/2014	5/8/2014	5/15/2014	5/15/2014	5/22/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)041714	WS-004(0.5-1.0)042414	WS-004(0.5-1.0)050114	WS-004(0.5-1.0)050814	WS-004(0.5-1.0)051514	DUP-WS-131-051514	WS-004(0.5-1.0)052214
	Units							
Field Parameters								
Conductivity	µS/cm	32	38	42	44	43	NA	40
Dissolved Oxygen	mg/l	9.35	9.12	10.21	11.15	8.02	NA	9.08
pH	SU	6.28	6.97	6.86	6.27	6.5	NA	8.2
Temperature	deg C	22.61	22.49	18.94	23.72	20.41	NA	29.62
Turbidity	NTU	27.6	0	14.8	52.8	19.9	NA	42.6
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	0.015 J	< 0.052 UB	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	0.013 J	< 0.052 U	< 0.053 UJ	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	0.017 J	< 0.052 U	< 0.053 U	0.014 J	< 0.057 UJ	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UB	< 0.052 U	< 0.053 UJ	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	0.014 J	< 0.052 U	< 0.053 UJ	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Chrysene	µg/l	0.015 J	< 0.052 U	< 0.053 UJ	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 UB	< 0.052 U	< 0.053 UJ	< 0.052 UJ	< 0.057 UJ	< 0.051 UJ	< 0.050 U
Fluoranthene	µg/l	0.016 J	< 0.052 U	< 0.053 U	0.021 J	0.019 J	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UB	0.011 J	< 0.053 UJ	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Naphthalene	µg/l	0.035 J	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 U	< 0.051 U	< 0.050 U
Phenanthrene	µg/l	< 0.051 U	< 0.052 U	< 0.053 U	< 0.052 U	< 0.057 UJ	< 0.051 U	< 0.050 U
Pyrene	µg/l	0.012 J	< 0.052 U	< 0.053 U	0.015 J	0.013 J	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		5/29/2014	6/5/2014	6/12/2014	6/12/2014	6/19/2014	6/26/2014	7/2/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)052914	WS-004(0.5-1.0)060514	WS-004(0.5-1.0)061214	DUP-WS-132-061214	WS-004(0.5-1.0)061914	WS-004(0.5-1.0)062614	WS-004(0.5-1.0)070214
	Units							
Field Parameters								
Conductivity	µS/cm	45	48	29	NA	35	39	42
Dissolved Oxygen	mg/l	6.49	6.03	5.5	NA	7	5.49	3.6
pH	SU	6.91	6.73	6.48	NA	6.84	6.49	6.58
Temperature	deg C	26.33	28.56	26.72	NA	30.95	28.06	29.2
Turbidity	NTU	58.7	16	25.8	NA	26	76.6	46.8
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 UJ
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 UJ
Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 UJ	0.011 J	< 0.051 U
Fluorene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 UJ
Naphthalene	µg/l	< 0.050 U	0.062	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U
Phenanthrene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U
Pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.050 UJ	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		7/10/2014	7/10/2014	7/17/2014	7/24/2014	7/31/2014	8/7/2014	8/14/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)071014	DUP-WS-133-071014	WS-004(0.5-1.0)071714	WS-004(0.5-1.0)072414	WS-004(0.5-1.0)073114	WS-004(0.5-1.0)080714	WS-004(0.5-1.0)081414
	Units							
Field Parameters								
Conductivity	µS/cm	48	NA	44	39	47	45	46
Dissolved Oxygen	mg/l	4.09	NA	3.88	3.07	4.21	3.31	5.14
pH	SU	6.49	NA	6.49	6.42	7.14	6.37	8.01
Temperature	deg C	30.82	NA	26.92	26.98	26.72	29.38	31.72
Turbidity	NTU	16.2	NA	39.4	14.1	67.4	16	32.1
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U
2-Methylnaphthalene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U
Acenaphthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U
Acenaphthylene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U
Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	0.032 J	< 0.051 U	< 0.051 U	< 0.052 U
Benzo(a)Pyrene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	0.037 J	< 0.051 U	< 0.051 U	< 0.052 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	0.056	< 0.051 U	< 0.051 U	< 0.052 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	0.030 J	< 0.051 U	< 0.051 U	< 0.052 U
Benzo(k)Fluoranthene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	0.023 J	< 0.051 U	< 0.051 U	< 0.052 U
Chrysene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	0.045 J	< 0.051 U	< 0.051 U	< 0.052 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.052 U
Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	0.074	< 0.051 U	< 0.051 U	< 0.052 U
Fluorene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 UJ	< 0.050 UJ	< 0.050 U	0.025 J	< 0.051 U	< 0.051 U	< 0.052 U
Naphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	0.058
Phenanthrene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	0.040 J	< 0.051 U	< 0.051 U	< 0.052 U
Pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.050 U	0.064	< 0.051 U	< 0.051 U	< 0.052 U

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		8/21/2014	8/28/2014	9/5/2014	9/12/2014	9/18/2014	9/25/2014	10/2/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)082114	WS-004(0.5-1.0)082814	WS-004(0.5-1.0)090514	WS-004(0.5-1.0)091214	WS-004(0.5-1.0)091814	WS-004(0.5-1.0)092514	WS-004(0.5-1.0)100214
	Units							
Field Parameters								
Conductivity	µS/cm	47	57	52	51	50	50	58
Dissolved Oxygen	mg/l	4.03	2.57	4.36	3.22	5.34	7.64	3.17
pH	SU	6.34	7.04	7.54	6.49	7.56	9.74	6.85
Temperature	deg C	32.99	33.49	33.29	23.36	25.66	27.45	27.94
Turbidity	NTU	51.1	28.3	32.4	25.2	67.1	39.6	43.7
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	0.017 J
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.011 J	< 0.052 U	< 0.053 UJ
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.012 J	< 0.052 U	< 0.053 UJ
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ
Naphthalene	µg/l	< 0.051 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.063 U	< 0.063 UJ
Phenanthrene	µg/l	< 0.051 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.063 U	< 0.063 UJ
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 UJ

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		10/10/2014	10/16/2014	10/23/2014	10/30/2014	11/7/2014	11/13/2014	11/21/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)101014	WS-004(0.5-1.0)101614	WS-004(0.5-1.0)102314	WS-004(0.5-1.0)103014	WS-004(0.5-1.0)110714	WS-004(0.5-1.0)111314	WS-004(0.5-1.0)112114
	Units							
Field Parameters								
Conductivity	µS/cm	50	53	52	56	78	119	136
Dissolved Oxygen	mg/l	4.85	7.29	7.3	5.56	8.39	9.79	9.77
pH	SU	6.67	7.28	7.41	7.24	7.29	7.34	6.12
Temperature	deg C	24.64	21.75	18.96	17.9	15.85	8.08	7.49
Turbidity	NTU	39.7	14	22.1	29.8	58.2	40.2	25.5
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.051 U	0.016 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	0.026 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Chrysene	µg/l	< 0.051 U	0.011 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Fluoranthene	µg/l	< 0.051 U	0.013 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U
Naphthalene	µg/l	< 0.061 U	< 0.061 UJ	< 0.060 UJ	0.059 J	< 0.061 U	< 0.060 U	< 0.060 U
Phenanthrene	µg/l	< 0.061 U	< 0.061 U	< 0.060 UJ	< 0.061 U	< 0.061 U	< 0.060 U	< 0.060 U
Pyrene	µg/l	< 0.051 U	0.022 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004
Sample Date		12/5/2014	12/11/2014	12/16/2014	12/22/2014	12/30/2014	1/6/2015	1/13/2015
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-004(0.5-1.0)120514	WS-004(0.5-1.0)121114	WS-004(0.5-1.0)121614	WS-004(0.5-1.0)122214	WS-004(0.5-1.0)123014	WS-004(0.5-1.0)010615	WS-004(0.5-1.0)011315
	Units							
Field Parameters								
Conductivity	µS/cm	61	124	120	113	102	40	47
Dissolved Oxygen	mg/l	9.74	7.8	7	6.92	7.57	9.46	10.05
pH	SU	7.21	6.48	6.36	6.5	6.28	6.33	6.35
Temperature	deg C	7.66	9.61	10.83	8.68	5.2	6.9	4.91
Turbidity	NTU	41.4	23.4	20.5	65.2	21.3	57.2	31.7
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	0.013 J	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	0.016 J	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	0.031 J	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	0.012 J
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	0.016 J	< 0.057 U	< 0.050 U	< 0.055 UJ	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	0.011 J	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	0.039 J	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	0.013 J
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 UJ	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	0.028 J	< 0.057 U	< 0.050 U	< 0.055 U	0.018 J	0.017 J
Fluorene	µg/l	< 0.050 U	< 0.050 U	< 0.057 U	< 0.050 U	< 0.055 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	0.012 J	< 0.057 U	< 0.050 U	< 0.055 UJ	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.060 U	< 0.060 U	< 0.068 U	< 0.060 U	< 0.066 U	< 0.062 U	< 0.062 U
Phenanthrene	µg/l	< 0.060 U	< 0.060 U	< 0.068 U	< 0.060 U	< 0.066 U	< 0.062 U	< 0.062 U
Pyrene	µg/l	< 0.050 U	0.021 J	< 0.057 U	< 0.050 U	< 0.055 U	0.016 J	0.011 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

	Location	WS-004	WS-004	WS-004	WS-004	WS-004	WS-004	WS-006
	Sample Date	1/20/2015	1/27/2015	2/3/2015	2/10/2015	2/19/2015	2/26/2015	2/13/2014
	Depths (ft)	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
	Sample ID	WS-004(0.5-1.0)012015	WS-004(0.5-1.0)012715	WS-004(0.5-1.0)020315	WS-004(0.5-1.0)021015	WS-004(0.5-1.0)021915	WS-004(0.5-1.0)022615	WS-006(0.5-1.0)021314
	Units							
Field Parameters								
Conductivity	µS/cm	48	54	53	56	68	84	49
Dissolved Oxygen	mg/l	7.48	10.21	11.61	9.44	17.75	8.61	13.1
pH	SU	6.52	5.99	5.73	5.72	6.3	5.13	6.97
Temperature	deg C	9.3	11.27	8.92	10.57	5.74	5.38	4.96
Turbidity	NTU	92	22.7	27.9	14.2	16.7	138	11.3
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.013 J	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.028 J	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.012 J	< 0.051 UJ
Benzo(k)Fluoranthene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.011 J	< 0.051 UJ
Chrysene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.020 J	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Fluoranthene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.031 J	< 0.051 U
Fluorene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.016 J	< 0.051 UJ
Naphthalene	µg/l	< 0.063 UJ	< 0.066 U	< 0.060 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.051 U
Phenanthrene	µg/l	< 0.063 U	< 0.066 U	< 0.060 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.051 U
Pyrene	µg/l	< 0.052 U	< 0.055 U	< 0.050 U	< 0.051 U	< 0.051 U	0.024 J	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-006	WS-006	WS-006	WS-006	WS-006	WS-006	WS-006
Sample Date		2/13/2014	2/19/2014	2/19/2014	2/27/2014	2/27/2014	3/6/2014	3/6/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		DUP-WS-124-021314	WS-006(0.5-1.0)021914	DUP-WS-125-021914	WS-006(0.5-1.0)022714	DUP-WS-126-022714	WS-006(0.5-1.0)030614	DUP-WS-127-030614
	Units							
Field Parameters								
Conductivity	µS/cm	NA	48	NA	49	NA	50	NA
Dissolved Oxygen	mg/l	NA	13.03	NA	11.82	NA	12.72	NA
pH	SU	NA	6.78	NA	7.13	NA	7.02	NA
Temperature	deg C	NA	9.56	NA	9.8	NA	6.57	NA
Turbidity	NTU	NA	12.6	NA	13.3	NA	20.3	NA
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	0.015 J	0.016 J
Fluorene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-006	WS-006	WS-006	WS-006	WS-007	WS-007	WS-007
Sample Date		3/13/2014	3/13/2014	3/20/2014	3/20/2014	2/12/2014	2/19/2014	2/26/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-006(0.5-1.0)031314	DUP-WS-128-031314	WS-006(0.5-1.0)032014	DUP-WS-129-032014	WS-007(0.5-1.0)021214	WS-007(0.5-1.0)021914	WS-007(0.5-1.0)022614
	Units							
Field Parameters								
Conductivity	µS/cm	46	NA	51	NA	43	40	57
Dissolved Oxygen	mg/l	12.94	NA	14.05	NA	12.3	12.46	10.64
pH	SU	7.13	NA	6.77	NA	5.89	7.11	5.45
Temperature	deg C	13.84	NA	14.22	NA	4.35	14.3	13.15
Turbidity	NTU	4.9	NA	12.1	NA	27.1	45.2	32.1
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.011 J	< 0.051 U	< 0.051 UJ
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.027 J	0.019 J	< 0.051 UJ
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.030 J	0.020 J	< 0.051 UJ
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.086	0.066	0.027 J
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 UB	0.024 J	0.011 J
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.029 J	0.022 J	< 0.051 UJ
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.058	0.045 J	0.019 J
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.088	0.064	0.028 J
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 UB	0.023 J	< 0.051 UJ
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 UJ
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	0.090	0.050 J	0.028 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		3/6/2014	3/13/2014	3/20/2014	3/27/2014	4/2/2014	4/9/2014	4/17/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-007(0.5-1.0)030614	WS-007(0.5-1.0)031314	WS-007(0.5-1.0)032014	WS-007(0.5-1.0)032714	WS-007(0.5-1.0)040214	WS-007(0.5-1.0)040914	WS-007(0.5-1.0)041714
	Units							
Field Parameters								
Conductivity	µS/cm	45	45	50	52	54	81	39
Dissolved Oxygen	mg/l	11.63	9.62	11.31	9.71	9.29	10.78	8.88
pH	SU	5.64	6.12	5.65	5.22	5.89	6.03	5.85
Temperature	deg C	4.35	12.91	12.15	12.76	19.28	20.21	22.14
Turbidity	NTU	46.4	46.6	24.7	57.4	33.3	28.8	6.1
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	0.011 J	< 0.051 U	< 0.051 U	0.016 J	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	0.023 J	0.012 J	0.020 J	0.057	0.021 J	0.012 J	0.016 J
Benzo(a)Pyrene	µg/l	0.020 J	0.017 J	0.021 J	0.063	0.024 J	0.011 J	0.015 J
Benzo(b)Fluoranthene	µg/l	0.058	0.040 J	0.054	0.18	0.071	0.035 J	0.022 J
Benzo(g,h,i)Perylene	µg/l	0.021 J	0.048 J	0.026 J	0.049 J	0.022 J	0.012 J	< 0.051 UB
Benzo(k)Fluoranthene	µg/l	0.021 J	0.028 J	0.021 J	0.056	0.023 J	0.011 J	0.014 J
Chrysene	µg/l	0.062	0.016 J	0.035 J	0.13	0.048 J	0.026 J	0.016 J
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	0.052	0.011 J	0.013 J	< 0.051 U	< 0.051 U	< 0.051 UB
Fluoranthene	µg/l	0.075	0.015 J	0.068	0.23	0.087	0.051 J	0.019 J
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	0.020 J	0.053	0.027 J	0.053	0.020 J	0.011 J	< 0.051 UB
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.036 J	< 0.051 U	0.031 J
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	0.049 J	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	0.055	< 0.051 U	0.045 J	0.17	0.061	0.038 J	0.014 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		4/17/2014	4/24/2014	5/1/2014	5/8/2014	5/15/2014	5/22/2014	5/29/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		DUP-WS-130-041714	WS-007(0.5-1.0)042414	WS-007(0.5-1.0)050114	WS-007(0.5-1.0)050814	WS-007(0.5-1.0)051514	WS-007(0.5-1.0)052214	WS-007(0.5-1.0)052914
	Units							
Field Parameters								
Conductivity	µS/cm	NA	38	78	45	96	39	86
Dissolved Oxygen	mg/l	NA	8.6	9.48	9.01	8.31	8.58	7.9
pH	SU	NA	6.53	5.46	5.89	5.26	6.63	5.82
Temperature	deg C	NA	21.71	18.25	23.74	20.09	27.49	26.28
Turbidity	NTU	NA	6.1	7.5	41.4	26.3	42	33.7
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	0.014 J	< 0.051 UB	0.015 J	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	0.013 J	< 0.051 U	0.020 J	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	0.017 J	< 0.051 UB	0.053	0.043 J	< 0.050 U	0.011 J	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UB	0.014 J	< 0.053 UJ	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	0.012 J	< 0.051 U	0.017 J	0.012 J	< 0.050 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	0.014 J	< 0.051 UB	0.037 J	0.028 J	< 0.050 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.053 UJ	< 0.057 UJ	< 0.050 UJ	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	0.020 J	< 0.051 UB	0.059	0.051 J	0.013 J	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UB	0.036 J	0.018 J	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	0.034 J	< 0.051 U	0.050 J	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.057 U	< 0.050 U	< 0.051 U	< 0.050 U
Pyrene	µg/l	0.013 J	< 0.051 UB	0.041 J	0.035 J	< 0.050 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		6/5/2014	6/12/2014	6/19/2014	6/26/2014	7/2/2014	7/10/2014	7/17/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-007(0.5-1.0)060514	WS-007(0.5-1.0)061214	WS-007(0.5-1.0)061914	WS-007(0.5-1.0)062614	WS-007(0.5-1.0)070214	WS-007(0.5-1.0)071014	WS-007(0.5-1.0)071714
	Units							
Field Parameters								
Conductivity	µS/cm	53	31	74	49	78	79	89
Dissolved Oxygen	mg/l	7.82	6.11	6.01	7	5.48	5.25	5.1
pH	SU	6.28	6.19	5.91	6.05	5.6	5.99	5.74
Temperature	deg C	28.21	25.04	29.73	27.74	27.68	28.27	26.17
Turbidity	NTU	33.4	13.1	22.3	51	38	24.5	18.6
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 UJ	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 UB	< 0.051 U	< 0.052 UJ	< 0.051 U
Acenaphthene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U
Acenaphthylene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U
Anthracene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.052 U	0.012 J	< 0.051 U	< 0.051 U	< 0.051 U	0.011 J	0.017 J
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 UJ	0.018 J
Benzo(b)Fluoranthene	µg/l	0.015 J	0.028 J	< 0.051 U	< 0.051 U	< 0.051 U	0.018 J	0.028 J
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	0.011 J	< 0.051 U	< 0.051 U	< 0.051 UJ	0.014 J	0.038 J
Benzo(k)Fluoranthene	µg/l	< 0.052 U	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U	0.012 J	0.015 J
Chrysene	µg/l	0.013 J	0.025 J	< 0.051 U	0.013 J	< 0.051 U	0.019 J	0.024 J
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	0.013 J	0.032 J
Fluoranthene	µg/l	0.027 J	0.058 J	0.012 J	0.021 J	0.018 J	0.022 J	0.040 J
Fluorene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	0.015 J	0.034 J
Naphthalene	µg/l	0.082	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U
Phenanthrene	µg/l	< 0.052 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.052 U	< 0.051 U
Pyrene	µg/l	0.018 J	0.040 J	< 0.051 U	0.014 J	0.011 J	0.019 J	0.029 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		7/24/2014	7/31/2014	8/7/2014	8/14/2014	8/21/2014	8/28/2014	9/5/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-007(0.5-1.0)072414	WS-007(0.5-1.0)073114	WS-007(0.5-1.0)080714	WS-007(0.5-1.0)081414	WS-007(0.5-1.0)082114	WS-007(0.5-1.0)082814	WS-007(0.5-1.0)090514
	Units							
Field Parameters								
Conductivity	µS/cm	77	76	48	45	86	80	66
Dissolved Oxygen	mg/l	4.11	4.7	3.4	5.94	4.61	5.93	6.47
pH	SU	5.97	6.31	6.56	6.53	6.44	6.68	7.12
Temperature	deg C	26.21	26.15	29.08	31.42	32.6	33.05	34.72
Turbidity	NTU	20.1	124	23	38.5	140	30.4	27
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 UJ
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Benzo(k)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Fluoranthene	µg/l	0.019 J	0.011 J	0.011 J	< 0.051 U	0.016 J	< 0.053 U	0.021 J
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.052 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	0.039 J	< 0.051 U	< 0.064 U	< 0.062 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.064 U	< 0.062 U
Pyrene	µg/l	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U	0.012 J	< 0.053 U	0.014 J

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		9/12/2014	9/18/2014	9/25/2014	10/2/2014	10/10/2014	10/16/2014	10/16/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-007(0.5-1.0)091214	WS-007(0.5-1.0)091814	WS-007(0.5-1.0)092514	WS-007(0.5-1.0)100214	WS-007(0.5-1.0)101014	WS-007(0.5-1.0)101614	DUP-WS-136-101614
	Units							
Field Parameters								
Conductivity	µS/cm	37	48	49	52	51	53	NA
Dissolved Oxygen	mg/l	6.82	4.8	5.92	7.5	5.11	9.1	NA
pH	SU	7.18	6.28	6.39	7.49	7.44	7.8	NA
Temperature	deg C	20.1	26.22	28.12	27.9	24.4	23.68	NA
Turbidity	NTU	12.5	47.5	43.4	55.9	43.8	23.5	NA
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	0.011 J	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	0.011 J	0.023 J	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	0.019 J	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	0.017 J	0.023 J	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.053 U	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.061 U	< 0.061 U	< 0.064 U	< 0.065 UJ	< 0.061 U	0.056 J	< 0.061 UJ
Phenanthrene	µg/l	< 0.061 U	< 0.061 U	< 0.064 U	< 0.065 UJ	< 0.061 U	< 0.061 U	< 0.061 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	0.019 J	< 0.054 UJ	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		10/23/2014	10/30/2014	11/7/2014	11/13/2014	11/13/2014	11/21/2014	12/5/2014
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-007(0.5-1.0)102314	WS-007(0.5-1.0)103014	WS-007(0.5-1.0)110714	WS-007(0.5-1.0)111314	DUP-WS-137-111314	WS-007(0.5-1.0)112114	WS-007(0.5-1.0)120514
	Units							
Field Parameters								
Conductivity	µS/cm	53	59	78	132	NA	131	61
Dissolved Oxygen	mg/l	8.2	6.9	9.17	12.07	NA	10.5	9.79
pH	SU	7.93	7.75	8.11	7.71	NA	5.58	5.55
Temperature	deg C	18.8	16.44	16.65	6.6	NA	10.04	7.21
Turbidity	NTU	44	67.4	71	60.9	NA	45.1	37.1
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	0.013 J	0.013 J	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.061 UJ	0.035 J	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U
Phenanthrene	µg/l	< 0.061 UJ	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U
Pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		12/11/2014	12/16/2014	12/22/2014	12/30/2014	1/6/2015	1/13/2015	1/20/2015
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		WS-007(0.5-1.0)121114	WS-007(0.5-1.0)121614	WS-007(0.5-1.0)122214	WS-007(0.5-1.0)123014	WS-007(0.5-1.0)010615	WS-007(0.5-1.0)011315	WS-007(0.5-1.0)012015
	Units							
Field Parameters								
Conductivity	µS/cm	133	132	113	103	47	59	49
Dissolved Oxygen	mg/l	9.31	8.2	10	7.23	12.21	10.47	8.14
pH	SU	5.4	5.56	6.62	5.58	5.69	5.71	6.28
Temperature	deg C	10.08	11.2	9.39	6.29	8.94	7.68	10.65
Turbidity	NTU	25.1	63.6	17.9	31	78.5	110	29.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	0.020 J	0.013 J	0.013 J
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	0.020 J	0.014 J	0.011 J
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	0.031 J	0.018 J	0.020 J
Fluorene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.060 U	< 0.062 U	< 0.063 U	< 0.061 U	< 0.060 U	< 0.061 U	< 0.061 UJ
Phenanthrene	µg/l	< 0.060 U	< 0.062 U	< 0.063 U	< 0.061 U	< 0.060 U	< 0.061 U	< 0.061 U
Pyrene	µg/l	< 0.050 U	< 0.052 U	< 0.052 U	< 0.051 U	0.026 J	0.014 J	0.013 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-007	WS-007	WS-007	WS-007	WS-007	WS-007	WS-007
Sample Date		1/20/2015	1/27/2015	2/3/2015	2/10/2015	2/19/2015	2/19/2015	2/26/2015
Depths (ft)		0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft	0.5-1 ft
Sample ID		DUP-WS-139-012015	WS-007(0.5-1.0)012715	WS-007(0.5-1.0)020315	WS-007(0.5-1.0)021015	WS-007(0.5-1.0)021915	DUP-WS-140-021915	WS-007(0.5-1.0)022615
	Units							
Field Parameters								
Conductivity	µS/cm	NA	75	62	60	67	NA	90
Dissolved Oxygen	mg/l	NA	13.84	11.74	10.25	16.07	NA	11.61
pH	SU	NA	5.31	5.5	5.59	6.25	NA	5.2
Temperature	deg C	NA	13.2	11.25	10.93	7.13	NA	8.27
Turbidity	NTU	NA	115	67.4	12.7	21	NA	46.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Acenaphthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Acenaphthylene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	0.012 J
Benzo(b)Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	0.029 J
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	0.012 J
Benzo(k)Fluoranthene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	0.011 J
Chrysene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	0.021 J
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Fluoranthene	µg/l	0.011 J	< 0.051 U	< 0.050 U	< 0.051 U	0.016 J	0.013 J	0.033 J
Fluorene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.053 U	0.013 J
Naphthalene	µg/l	< 0.062 UJ	< 0.061 U	< 0.060 U	< 0.061 U	< 0.061 U	< 0.064 U	< 0.061 U
Phenanthrene	µg/l	< 0.062 U	< 0.061 U	< 0.060 U	< 0.061 U	< 0.061 U	< 0.064 U	< 0.061 U
Pyrene	µg/l	< 0.052 U	< 0.051 U	< 0.050 U	< 0.051 U	0.011 J	< 0.053 U	0.025 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-008	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		3/6/2014	2/12/2014	2/19/2014	2/26/2014	3/6/2014	3/13/2014	3/20/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-008(SURFACE)030614	WS-009(SURFACE)021214	WS-009(SURFACE)021914	WS-009(SURFACE)022614	WS-009(SURFACE)030614	WS-009(SURFACE)031314	WS-009(SURFACE)032014
	Units							
Field Parameters								
Conductivity	µS/cm	60	50	47	48	54	45	52
Dissolved Oxygen	mg/l	11.6	12.71	12.49	10.43	11.56	9.96	11.49
pH	SU	5.94	6.14	7.15	5.69	5.95	6.33	5.67
Temperature	deg C	4.75	3.04	12.39	11.82	4.55	11.82	12.38
Turbidity	NTU	24.4	11	10.6	29.5	21.7	4.8	10.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.053 U	< 0.051 U	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	0.017 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.053 U	< 0.051 U	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.053 U	< 0.051 U	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.053 U	< 0.051 U	0.014 J	< 0.051 U	0.012 J	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.053 U	0.029 J	0.044 J	0.012 J	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		3/27/2014	4/2/2014	4/9/2014	4/17/2014	4/24/2014	5/1/2014	5/8/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-009(SURFACE)032714	WS-009(SURFACE)040214	WS-009(SURFACE)040914	WS-009(SURFACE)041714	WS-009(SURFACE)042414	WS-009(SURFACE)050114	WS-009(SURFACE)050814
	Units							
Field Parameters								
Conductivity	µS/cm	49	49	51	44	52	51	45
Dissolved Oxygen	mg/l	10.2	9.83	11.22	11	9.58	10.05	9.85
pH	SU	5.99	6.11	6.54	6.5	6.7	6.2	6.22
Temperature	deg C	13.05	18.03	19.62	20.61	22.22	19.85	22.99
Turbidity	NTU	11.5	9.6	10.9	15.3	15.3	14.8	150
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
Acenaphthene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
Acenaphthylene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	< 0.051 UB	0.012 J	< 0.055 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	< 0.051 U	0.019 J	< 0.055 U
Benzo(b)Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	< 0.051 UB	0.029 J	< 0.055 U
Benzo(g,h,i)Perylene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	0.039 J	0.020 J	< 0.055 U
Benzo(k)Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	< 0.051 UB	< 0.055 UJ	< 0.055 U
Chrysene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	< 0.051 U	0.021 J	< 0.055 U
Dibenz(a,h)Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	0.038 J	< 0.055 UJ	< 0.055 UJ
Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	0.021 J	< 0.055 U
Fluorene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 UJ	0.043 J	0.016 J	< 0.055 U
Naphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	0.035 J	< 0.051 U	0.043 J	< 0.055 U
Phenanthrene	µg/l	< 0.052 U	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U
Pyrene	µg/l	< 0.052 U	0.011 J	< 0.052 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.055 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

	Location	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
	Sample Date	5/15/2014	5/22/2014	5/29/2014	6/5/2014	6/12/2014	6/19/2014	6/26/2014
	Depths (ft)	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample ID	WS-009(SURFACE)051514	WS-009(SURFACE)052214	WS-009(SURFACE)052914	WS-009(SURFACE)060514	WS-009(SURFACE)061214	WS-009(SURFACE)061914	WS-009(SURFACE)062614
	Units							
Field Parameters								
Conductivity	µS/cm	54	53	49	50	44	48	50
Dissolved Oxygen	mg/l	9.18	9.56	10.03	8.29	7.29	7.95	6.65
pH	SU	6.2	8.59	8.45	6.7	6.64	6.91	6.55
Temperature	deg C	21.64	25.65	25.95	27.53	25.37	29.68	28.03
Turbidity	NTU	33.8	20.9	35.4	16.1	21.8	25.1	20.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	0.028 J	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	0.035 J	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	0.021 J	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	0.013 J	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	0.022 J	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 UJ	< 0.050 U
Fluorene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	0.034 J	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	0.057	< 0.051 U	< 0.051 U	< 0.050 U
Phenanthrene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U
Pyrene	µg/l	< 0.052 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		7/2/2014	7/10/2014	7/17/2014	7/24/2014	7/31/2014	8/7/2014	8/7/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-009(SURFACE)070214	WS-009(SURFACE)071014	WS-009(SURFACE)071714	WS-009(SURFACE)072414	WS-009(SURFACE)073114	WS-009(SURFACE)080714	DUP-WS-134-080714
	Units							
Field Parameters								
Conductivity	µS/cm	51	51	55	42	55	53	NA
Dissolved Oxygen	mg/l	6.65	5.55	6.45	2.57	5.22	1.95	NA
pH	SU	6.28	6.66	6.09	6.52	6.94	6.6	NA
Temperature	deg C	28.67	29.1	26.93	25.76	26.92	28.92	NA
Turbidity	NTU	41.2	28.4	32.6	29.4	39	20.8	NA
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.054 U	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.054 U	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.054 U	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.054 UJ	< 0.050 UJ	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.054 U	< 0.050 UJ	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.054 UJ	< 0.050 UJ	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.054 UJ	< 0.050 UJ	< 0.050 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Phenanthrene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Pyrene	µg/l	< 0.054 U	< 0.050 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		8/14/2014	8/21/2014	8/28/2014	9/5/2014	9/5/2014	9/12/2014	9/18/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-009(SURFACE)081414	WS-009(SURFACE)082114	WS-009(SURFACE)082814	WS-009(SURFACE)090514	DUP-WS-135-090514	WS-009(SURFACE)091214	WS-009(SURFACE)091814
	Units							
Field Parameters								
Conductivity	µS/cm	57	58	61	61	NA	61	57
Dissolved Oxygen	mg/l	4.93	3.65	3.8	5.47	NA	4.39	5.94
pH	SU	6.97	6.9	7.07	7.34	NA	6.4	6.84
Temperature	deg C	31.28	30.88	32.69	34.46	NA	23.51	26.44
Turbidity	NTU	17.1	290	35.7	35.4	NA	24.4	22.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	0.014 J	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	0.015 J	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	0.030 J	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	0.043 J	< 0.061 UJ	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.060 U
Phenanthrene	µg/l	< 0.051 U	< 0.061 UJ	< 0.061 U	< 0.061 U	< 0.061 U	< 0.061 U	< 0.060 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.021 J	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		9/25/2014	10/2/2014	10/10/2014	10/16/2014	10/23/2014	10/30/2014	11/7/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-009(SURFACE)092514	WS-009(SURFACE)100214	WS-009(SURFACE)101014	WS-009(SURFACE)101614	WS-009(SURFACE)102314	WS-009(SURFACE)103014	WS-009(SURFACE)110714
	Units							
Field Parameters								
Conductivity	µS/cm	60	68	56	56	57	57	55
Dissolved Oxygen	mg/l	6.16	2.3	6.07	7.21	8.49	7.55	8.76
pH	SU	6.97	7.14	7.35	7.6	7.72	7.61	7.86
Temperature	deg C	29.81	26.98	23.5	21.43	19.51	17.95	15.75
Turbidity	NTU	28.6	17.2	75.4	17.9	39.5	56.8	21.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.054 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	< 0.065 U	< 0.061 UJ	< 0.061 U	< 0.061 UJ	< 0.060 UJ	< 0.061 U	< 0.060 U
Phenanthrene	µg/l	< 0.065 U	< 0.061 UJ	< 0.061 U	< 0.061 U	< 0.060 UJ	< 0.061 U	< 0.060 U
Pyrene	µg/l	0.051 J	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		11/13/2014	11/21/2014	12/5/2014	12/11/2014	12/16/2014	12/16/2014	12/22/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-009(SURFACE)111314	WS-009(SURFACE)112114	WS-009(SURFACE)120514	WS-009(SURFACE)121114	WS-009(SURFACE)121614	DUP-WS-138-121614	WS-009(SURFACE)122214
	Units							
Field Parameters								
Conductivity	µS/cm	52	60	58	59	59	NA	55
Dissolved Oxygen	mg/l	11.09	9.7	10.05	10.28	9.88	NA	9.43
pH	SU	7.65	5.94	6.37	6.07	6.21	NA	6.86
Temperature	deg C	9.37	8.06	7.01	9.89	10.47	NA	9.32
Turbidity	NTU	49.9	12.7	22.9	23.3	19	NA	33.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	0.013 J	< 0.051 U	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	0.011 J	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	0.014 J	< 0.051 U	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.051 U	< 0.054 U	< 0.051 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	< 0.060 U	< 0.060 U	< 0.061 U	< 0.065 U	< 0.061 U	0.032 J	< 0.060 U
Phenanthrene	µg/l	< 0.060 U	< 0.060 U	< 0.061 U	< 0.065 U	< 0.061 U	< 0.062 U	< 0.060 U
Pyrene	µg/l	< 0.050 U	0.012 J	< 0.051 U	0.011 J	< 0.051 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-009	WS-009	WS-009	WS-009	WS-009
Sample Date		12/30/2014	1/6/2015	1/13/2015	1/20/2015	1/27/2015	2/3/2015	2/10/2015
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-009(SURFACE)123014	WS-009(SURFACE)010615	WS-009(SURFACE)011315	WS-009(SURFACE)012015	WS-009(SURFACE)012715	WS-009(SURFACE)020315	WS-009(SURFACE)021015
	Units							
Field Parameters								
Conductivity	µS/cm	53	52	50	49	51	41	46
Dissolved Oxygen	mg/l	8.7	11.92	10.8	8.22	10.74	10.31	9.92
pH	SU	6.11	6.05	6.21	6.39	5.73	5.52	5.86
Temperature	deg C	4.7	6.63	5.55	9.3	12.13	9.35	9.81
Turbidity	NTU	39.1	26	22.8	10.6	13.8	10.2	11.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Acenaphthene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Acenaphthylene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Anthracene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.054 UJ	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Chrysene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.054 UJ	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Fluoranthene	µg/l	< 0.054 U	0.012 J	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Fluorene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.054 UJ	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U
Naphthalene	µg/l	< 0.065 U	< 0.060 U	< 0.061 U	< 0.063 UJ	< 0.062 U	< 0.060 U	< 0.061 U
Phenanthrene	µg/l	< 0.065 U	< 0.060 U	< 0.061 U	< 0.063 U	< 0.062 U	< 0.060 U	< 0.061 U
Pyrene	µg/l	< 0.054 U	< 0.050 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.050 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-009	WS-009	WS-010	WS-010	WS-010	WS-010	WS-010
Sample Date		2/19/2015	2/26/2015	2/13/2014	2/13/2014	2/19/2014	2/19/2014	2/27/2014
Depths (ft)		0 ft	0 ft	1.5-2 ft	3.5-4 ft	1.5-2 ft	4-4.5 ft	1.5-2 ft
Sample ID		WS-009(SURFACE)021915	WS-009(SURFACE)022615	WS-010(1.5-2.0)021314	WS-010(3.5-4.0)021314	WS-010(1.5-2.0)021914	WS-010(4.0-4.5)021914	WS-010(1.5-2.0)022714
	Units							
Field Parameters								
Conductivity	µS/cm	47	54	48	48	48	48	49
Dissolved Oxygen	mg/l	14.95	11.75	13.2	13.23	12.33	12.46	11.13
pH	SU	6.43	5.09	6.67	6.25	6.88	6.71	6.64
Temperature	deg C	5.81	4.89	4.19	4.14	9.59	9.57	9.96
Turbidity	NTU	13	93.9	14	14.3	10.2	10.9	11.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
2-Methylnaphthalene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Acenaphthene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Acenaphthylene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Anthracene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Benzo(a)Anthracene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Benzo(a)Pyrene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Benzo(b)Fluoranthene	µg/l	< 0.053 U	0.016 J	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Benzo(g,h,i)Perylene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Benzo(k)Fluoranthene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Chrysene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Dibenz(a,h)Anthracene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Fluoranthene	µg/l	< 0.053 U	0.012 J	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Fluorene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Naphthalene	µg/l	< 0.063 U	< 0.060 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Phenanthrene	µg/l	< 0.063 U	< 0.060 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U
Pyrene	µg/l	< 0.053 U	< 0.050 U	< 0.056 U	< 0.059 U	< 0.051 U	< 0.050 U	< 0.057 U

Location		WS-010	WS-010	WS-010	WS-010	WS-010	WS-010	WS-010
Sample Date		2/27/2014	3/6/2014	3/6/2014	3/13/2014	3/13/2014	3/20/2014	3/20/2014
Depths (ft)		3.5-4 ft	1.5-2 ft	4-4.5 ft	1.5-2 ft	4.5-5 ft	1.5-2 ft	4.5-5 ft
Sample ID		WS-010(3.5-4.0)022714	WS-010(1.5-2.0)030614	WS-010(4.0-4.5)030614	WS-010(1.5-2.0)031314	WS-010(4.5-5.0)031314	WS-010(1.5-2.0)032014	WS-010(4.5-5.0)032014
	Units							
Field Parameters								
Conductivity	µS/cm	49	49	48	46	46	50	50
Dissolved Oxygen	mg/l	11.2	12.39	12.42	12.79	13.04	13.4	13.35
pH	SU	6.57	6.98	6.39	7.38	6.68	6.97	6.42
Temperature	deg C	10.07	5.93	5.91	13.06	11.7	14.6	13.9
Turbidity	NTU	10.6	25.1	24	4.5	5.8	10	10.7
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	0.011 J	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.053 U	0.017 J	0.019 J	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.053 U	< 0.051 U	0.012 J	< 0.051 U	< 0.050 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-011	WS-011	WS-011	WS-011	WS-011	WS-011	WS-011
Sample Date		2/13/2014	2/13/2014	2/19/2014	2/19/2014	2/27/2014	2/27/2014	3/6/2014
Depths (ft)		1.5-2 ft	6-6.5 ft	1.5-2 ft	6-6.5 ft	1.5-2 ft	4-4.5 ft	1.5-2 ft
Sample ID		WS-011(1.5-2.0)021314	WS-011(6.0-6.5)021314	WS-011(1.5-2.0)021914	WS-011(6.0-6.5)021914	WS-011(1.5-2.0)022714	WS-011(4.0-4.5)022714	WS-011(1.5-2.0)030614
	Units							
Field Parameters								
Conductivity	µS/cm	50	50	49	50	54	51	51
Dissolved Oxygen	mg/l	14.48	13.47	11.33	11.69	10.36	10.53	11.55
pH	SU	6.81	6.4	6.04	6.03	6.01	5.59	6.5
Temperature	deg C	3.94	3.69	9.52	9.29	10.4	9.84	5.96
Turbidity	NTU	11.8	11.9	13.6	13.6	13.5	16	10.1
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Acenaphthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Acenaphthylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Chrysene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Fluoranthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Fluorene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Naphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Phenanthrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U
Pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.061 U	< 0.051 U

Location		WS-011	WS-011	WS-011	WS-011	WS-011	WS-012	WS-012
Sample Date		3/6/2014	3/13/2014	3/13/2014	3/20/2014	3/20/2014	2/13/2014	2/13/2014
Depths (ft)		4-4.5 ft	1.5-2 ft	5.5-6 ft	1.5-2 ft	5-5.5 ft	1.5-2 ft	5-5.5 ft
Sample ID		WS-011(4.0-4.5)030614	WS-011(1.5-2.0)031314	WS-011(5.5-6.0)031314	WS-011(1.5-2.0)032014	WS-011(5.0-5.5)032014	WS-012(1.5-2.0)021314	WS-012(5.0-5.5)021314
	Units							
Field Parameters								
Conductivity	µS/cm	51	47	48	51	51	50	50
Dissolved Oxygen	mg/l	11.54	11.04	11.44	11.42	11.45	13.13	12.76
pH	SU	6.06	6.7	6.4	6.35	5.44	7.03	6.53
Temperature	deg C	5.95	11.7	11.35	13.09	12.66	3.88	3.52
Turbidity	NTU	9.7	5.5	6.4	11.4	10.1	13.1	13.1
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Acenaphthene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Acenaphthylene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.051 U	0.013 J	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.051 U	0.046 J	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.051 U	0.011 J	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Chrysene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.051 U	0.049 J	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Fluoranthene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Fluorene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.051 U	0.048 J	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Naphthalene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Phenanthrene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U
Pyrene	µg/l	< 0.050 U	< 0.051 U	< 0.050 U	< 0.051 U	< 0.050 U	< 0.060 U	< 0.056 U

Location		WS-012	WS-012	WS-012	WS-012	WS-012	WS-012	WS-012
Sample Date		2/19/2014	2/19/2014	2/27/2014	2/27/2014	3/6/2014	3/6/2014	3/13/2014
Depths (ft)		1.5-2 ft	5-5.5 ft	1.5-2 ft	5.5-6 ft	1.5-2 ft	5.5-6 ft	1.5-2 ft
Sample ID		WS-012(1.5-2.0)021914	WS-012(5.0-5.5)021914	WS-012(1.5-2.0)022714	WS-012(5.5-6.0)022714	WS-012(1.5-2.0)030614	WS-012(5.5-6.0)030614	WS-012(1.5-2.0)031314
	Units							
Field Parameters								
Conductivity	µS/cm	51	51	49	49	51	51	46
Dissolved Oxygen	mg/l	12.18	12.44	10.92	11.02	12.21	12.27	12.28
pH	SU	6.87	6.78	6.69	6.05	7.01	6.44	7.28
Temperature	deg C	9.19	8.96	9.64	8.87	5.96	5.71	12.87
Turbidity	NTU	10.6	11.1	12.4	11.9	8.7	8.8	2.6
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.063 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U

Location		WS-012	WS-012	WS-012	WS-014	WS-014	WS-014	WS-014
Sample Date		3/13/2014	3/20/2014	3/20/2014	2/13/2014	2/13/2014	2/19/2014	2/19/2014
Depths (ft)		6-6.5 ft	1.5-2 ft	6-6.5 ft	1.5-2 ft	5.5-6 ft	1.5-2 ft	5.5-6 ft
Sample ID		WS-012(6.0-6.5)031314	WS-012(1.5-2.0)032014	WS-012(6.0-6.5)032014	WS-014(1.5-2.0)021314	WS-014(5.5-6.0)021314	WS-014(1.5-2.0)021914	WS-014(5.5-6.0)021914
	Units							
Field Parameters								
Conductivity	µS/cm	46	50	50	51	52	47	47
Dissolved Oxygen	mg/l	12.52	12.52	12.88	13.29	12.99	11.56	11.59
pH	SU	6.61	6.99	6.19	6.46	6.05	6.23	6.2
Temperature	deg C	12.15	14.35	13.11	4.2	3.53	8.55	8.48
Turbidity	NTU	3.7	7.8	10.2	12.9	12.8	9.7	8.9
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	0.011 J	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	0.025 J	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U
Pyrene	µg/l	0.015 J	< 0.051 U	< 0.052 U	< 0.052 U	< 0.053 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-014	WS-014	WS-014	WS-014	WS-014	WS-014	WS-014
Sample Date		2/27/2014	2/27/2014	3/6/2014	3/6/2014	3/13/2014	3/13/2014	3/20/2014
Depths (ft)		1.5-2 ft	6-6.5 ft	1.5-2 ft	5.5-6 ft	1.5-2 ft	6-6.5 ft	1.5-2 ft
Sample ID		WS-014(1.5-2.0)022714	WS-014(6.0-6.5)022714	WS-014(1.5-2.0)030614	WS-014(5.5-6.0)030614	WS-014(1.5-2.0)031314	WS-014(6.0-6.5)031314	WS-014(1.5-2.0)032014
	Units							
Field Parameters								
Conductivity	µS/cm	50	49	50	50	44	44	50
Dissolved Oxygen	mg/l	10.44	10.69	11.9	12.2	11.67	12.05	11.88
pH	SU	5.98	5.73	6.66	6.21	7.27	6.48	6.67
Temperature	deg C	9.42	8.63	5.95	5.6	12.33	12.16	13.3
Turbidity	NTU	11.6	11.1	6.7	6.6	5.1	2.5	9.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Acenaphthene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Acenaphthylene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Anthracene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Chrysene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Fluoranthene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Fluorene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Naphthalene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Phenanthrene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Pyrene	µg/l	< 0.063 U	< 0.059 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U

Location		WS-014	WS-015	WS-015	WS-015	WS-015	WS-015	WS-015
Sample Date		3/20/2014	2/13/2014	2/13/2014	2/19/2014	2/19/2014	2/27/2014	2/27/2014
Depths (ft)		6-6.5 ft	1.5-2 ft	3.5-4 ft	1.5-2 ft	3.5-4 ft	1.5-2 ft	3.5-4 ft
Sample ID		WS-014(6.0-6.5)032014	WS-015(1.5-2.0)021314	WS-015(3.5-4.0)021314	WS-015(1.5-2.0)021914	WS-015(3.5-4.0)021914	WS-015(1.5-2.0)022714	WS-015(3.5-4.0)022714
	Units							
Field Parameters								
Conductivity	µS/cm	50	54	55	53	53	50	50
Dissolved Oxygen	mg/l	12.01	13.39	13.03	12.04	12.15	10.62	10.81
pH	SU	5.92	6.75	6.68	6.75	6.7	6.54	6.35
Temperature	deg C	12.66	3.33	3.15	8.89	8.87	9.88	9.93
Turbidity	NTU	8.8	14.4	14.7	12.1	12.2	11.5	10.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.055 U	< 0.058 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-015	WS-015	WS-015	WS-015	WS-015	WS-015	WS-020
Sample Date		3/6/2014	3/6/2014	3/13/2014	3/13/2014	3/20/2014	3/20/2014	2/12/2014
Depths (ft)		1.5-2 ft	3.5-4 ft	1.5-2 ft	4-4.5 ft	1.5-2 ft	4-4.5 ft	0 ft
Sample ID		WS-015(1.5-2.0)030614	WS-015(3.5-4.0)030614	WS-015(1.5-2.0)031314	WS-015(4.0-4.5)031314	WS-015(1.5-2.0)032014	WS-015(4.0-4.5)032014	WS-020(SURFACE)021214
	Units							
Field Parameters								
Conductivity	µS/cm	54	54	47	47	52	52	48
Dissolved Oxygen	mg/l	12	12.08	11.72	11.74	12.62	12.95	11.2
pH	SU	6.93	6.57	7.13	6.88	6.63	6.26	5
Temperature	deg C	5.84	5.82	12.33	11.7	13.78	12.98	2.38
Turbidity	NTU	9.6	9.7	3.1	2.8	8.7	12.4	27.3
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.015 J
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.012 J
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.016 J
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.015 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-020	WS-020	WS-020	WS-020	WS-020	WS-021	WS-021
Sample Date		2/19/2014	2/26/2014	3/6/2014	3/13/2014	3/20/2014	2/12/2014	2/19/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-020(SURFACE)021914	WS-020(SURFACE)022614	WS-020(SURFACE)030614	WS-020(SURFACE)031314	WS-020(SURFACE)032014	WS-021(SURFACE)021214	WS-021(SURFACE)021914
	Units							
Field Parameters								
Conductivity	µS/cm	49	41	43	43	51	49	46
Dissolved Oxygen	mg/l	10.75	10.14	11.03	10.13	10.62	12.39	12.54
pH	SU	5.38	5.79	5.76	6.45	6.14	6.27	6.97
Temperature	deg C	11.95	10.87	4.47	12.42	12.39	2.65	11.41
Turbidity	NTU	17.8	17.5	45.5	18.7	36.2	14.1	12.2
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	0.023 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.050 U	0.017 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	< 0.050 U	0.031 J	0.011 J	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 UB	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.050 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.050 U	< 0.050 U	0.020 J	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
Sample Date		2/26/2014	3/6/2014	3/13/2014	3/20/2014	3/27/2014	4/2/2014	4/9/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID	Units	WS-021(SURFACE)022614	WS-021(SURFACE)030614	WS-021(SURFACE)031314	WS-021(SURFACE)032014	WS-021(SURFACE)032714	WS-021(SURFACE)040214	WS-021(SURFACE)040914
Field Parameters								
Conductivity	µS/cm	48	49	46	51	48	49	37
Dissolved Oxygen	mg/l	10.21	11.71	10.2	11.44	10.22	9.69	11.49
pH	SU	5.96	6.19	6.26	6.46	6.22	6.43	6.87
Temperature	deg C	10.67	4.52	11.67	12.81	13.03	17.71	18.28
Turbidity	NTU	11.2	29.7	5.7	10.4	7.4	9.6	10.6
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Acenaphthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Acenaphthylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.019 J	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.053 U	0.019 J	< 0.051 U	< 0.051 U	< 0.051 U	0.017 J	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.30	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.013 J	< 0.051 U
Chrysene	µg/l	< 0.053 U	0.014 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.30	< 0.051 U
Fluoranthene	µg/l	< 0.053 U	0.028 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Fluorene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	0.28	< 0.051 U
Naphthalene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Phenanthrene	µg/l	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U
Pyrene	µg/l	< 0.053 U	0.020 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

	Location	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
	Sample Date	4/17/2014	4/24/2014	5/1/2014	5/8/2014	5/15/2014	5/22/2014	5/29/2014
	Depths (ft)	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
	Sample ID	WS-021(SURFACE)041714	WS-021(SURFACE)042414	WS-021(SURFACE)050114	WS-021(SURFACE)050814	WS-021(SURFACE)051514	WS-021(SURFACE)052214	WS-021(SURFACE)052914
	Units							
Field Parameters								
Conductivity	µS/cm	42	50	52	53	49	51	50
Dissolved Oxygen	mg/l	10.81	9.39	10.53	9.55	9.01	9.63	9.52
pH	SU	6.46	6.93	6.78	6.34	6.67	8.67	7.36
Temperature	deg C	19.91	22.21	19.63	22.85	20.55	25.06	25.83
Turbidity	NTU	14.1	2.6	13	30	26.1	23.8	40.3
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	0.014 J	< 0.051 UB	< 0.052 U	< 0.053 U	< 0.050 U	0.012 J	< 0.051 U
Benzo(a)Pyrene	µg/l	0.011 J	< 0.051 U	< 0.052 UJ	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	0.013 J	< 0.051 UB	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UB	0.012 J	< 0.052 UJ	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	0.012 J	< 0.051 U	< 0.052 UJ	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	0.011 J	< 0.051 U	< 0.052 UJ	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.052 UJ	< 0.053 UJ	< 0.050 UJ	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	0.012 J	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UB	0.014 J	< 0.052 UJ	< 0.053 U	< 0.050 U	0.011 J	< 0.051 U
Naphthalene	µg/l	0.038 J	< 0.051 U	0.049 J	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.052 U	< 0.053 U	< 0.050 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
Sample Date		6/5/2014	6/12/2014	6/19/2014	6/26/2014	7/2/2014	7/10/2014	7/17/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-021(SURFACE)060514	WS-021(SURFACE)061214	WS-021(SURFACE)061914	WS-021(SURFACE)062614	WS-021(SURFACE)070214	WS-021(SURFACE)071014	WS-021(SURFACE)071714
	Units							
Field Parameters								
Conductivity	µS/cm	51	41	47	51	50	50	53
Dissolved Oxygen	mg/l	7.28	8.32	6.22	5.42	5.77	4.64	5.15
pH	SU	6.93	7.03	7	6.6	6.6	6.74	6.59
Temperature	deg C	27.41	25.42	29.1	27.99	29.21	28.85	27.44
Turbidity	NTU	14.5	19.5	53.5	22.6	37.5	17.4	27.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 UB	< 0.051 U	< 0.051 UJ	< 0.051 U
Acenaphthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 U
Chrysene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.051 U
Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.051 U
Naphthalene	µg/l	0.066 J	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Phenanthrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
Pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
Sample Date		7/24/2014	7/31/2014	8/7/2014	8/14/2014	8/21/2014	8/28/2014	9/5/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-021(SURFACE)072414	WS-021(SURFACE)073114	WS-021(SURFACE)080714	WS-021(SURFACE)081414	WS-021(SURFACE)082114	WS-021(SURFACE)082814	WS-021(SURFACE)090514
	Units							
Field Parameters								
Conductivity	µS/cm	51	54	59	57	60	61	62
Dissolved Oxygen	mg/l	3.15	5.29	1.23	5.97	2.14	4.07	7
pH	SU	6.47	7.24	6.53	8.8	6.61	7.35	8.63
Temperature	deg C	26.07	27.02	28.67	30.91	29.48	32.39	34.1
Turbidity	NTU	24.7	29	26	37.1	139	42.3	23.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 UJ	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U
Naphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	0.038 J	0.042 J	< 0.061 U	< 0.061 U
Phenanthrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.061 U	< 0.061 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.053 U	< 0.051 U	< 0.051 U	< 0.051 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
Sample Date		9/12/2014	9/18/2014	9/25/2014	10/2/2014	10/10/2014	10/16/2014	10/23/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-021(SURFACE)091214	WS-021(SURFACE)091814	WS-021(SURFACE)092514	WS-021(SURFACE)100214	WS-021(SURFACE)101014	WS-021(SURFACE)101614	WS-021(SURFACE)102314
	Units							
Field Parameters								
Conductivity	µS/cm	61	61	63	66	61	65	56
Dissolved Oxygen	mg/l	4.43	6.28	6.82	2.63	5.95	5.89	7.18
pH	SU	6.63	7.96	8.21	7	7.06	7.41	7.63
Temperature	deg C	28.48	26.57	29.6	25.95	23.38	19.74	19.88
Turbidity	NTU	42.3	18.5	33.4	27	26.4	23.6	29.8
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.018 J
Benzo(a)Pyrene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.017 J
Benzo(b)Fluoranthene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.022 J
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.012 J
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.017 J
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.025 J
Fluorene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	< 0.051 UJ
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.012 J
Naphthalene	µg/l	< 0.060 U	< 0.062 U	< 0.062 U	< 0.061 UJ	< 0.060 U	< 0.061 UJ	< 0.061 UJ
Phenanthrene	µg/l	< 0.060 U	< 0.062 U	< 0.062 U	< 0.061 UJ	< 0.060 U	< 0.061 U	< 0.061 UJ
Pyrene	µg/l	< 0.050 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.050 U	< 0.051 U	0.024 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
Sample Date		10/30/2014	11/7/2014	11/13/2014	11/21/2014	12/5/2014	12/11/2014	12/16/2014
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-021(SURFACE)103014	WS-021(SURFACE)110714	WS-021(SURFACE)111314	WS-021(SURFACE)112114	WS-021(SURFACE)120514	WS-021(SURFACE)121114	WS-021(SURFACE)121614
	Units							
Field Parameters								
Conductivity	µS/cm	57	56	54	58	52	56	54
Dissolved Oxygen	mg/l	6.17	6.35	10.84	11.5	10.09	9.39	9.12
pH	SU	7.4	7.5	7.52	6.14	7.04	6.64	6.52
Temperature	deg C	18.28	14.72	9.51	7.29	7.08	9.66	10.56
Turbidity	NTU	31	27.8	42.6	14.5	21.4	16.6	13.4
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	0.012 J	< 0.050 U	< 0.050 U
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U
Naphthalene	µg/l	0.044 J	< 0.061 U	< 0.061 U	< 0.060 U	< 0.063 U	< 0.060 U	< 0.060 U
Phenanthrene	µg/l	< 0.061 U	< 0.061 U	< 0.061 U	< 0.060 U	< 0.063 U	< 0.060 U	< 0.060 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U	< 0.050 U	< 0.052 U	< 0.050 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
Mitigation Action Completion Report

Location		WS-021	WS-021	WS-021	WS-021	WS-021	WS-021	WS-021
Sample Date		12/22/2014	12/30/2014	1/6/2015	1/13/2015	1/20/2015	1/27/2015	2/3/2015
Depths (ft)		0 ft	0 ft	0 ft	0 ft	0 ft	0 ft	0 ft
Sample ID		WS-021(SURFACE)122214	WS-021(SURFACE)123014	WS-021(SURFACE)010615	WS-021(SURFACE)011315	WS-021(SURFACE)012015	WS-021(SURFACE)012715	WS-021(SURFACE)020315
	Units							
Field Parameters								
Conductivity	µS/cm	58	59	48	49	48	51	46
Dissolved Oxygen	mg/l	8.79	8.51	11.81	10.51	7.61	10.41	10.67
pH	SU	6.8	6.37	6.15	6.3	6.56	5.93	5.72
Temperature	deg C	8.87	5.2	6.01	4.31	8.46	10.71	8.36
Turbidity	NTU	13.3	89	65.5	19.7	11.9	12.3	13.8
PAHs-SIM								
1-Methylnaphthalene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
2-Methylnaphthalene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Acenaphthene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Acenaphthylene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Anthracene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Benzo(a)Anthracene	µg/l	< 0.050 U	0.013 J	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Benzo(a)Pyrene	µg/l	< 0.050 U	0.013 J	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Benzo(b)Fluoranthene	µg/l	< 0.050 U	0.019 J	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Benzo(g,h,i)Perylene	µg/l	< 0.050 U	0.011 J	< 0.050 U	< 0.053 U	0.019 J	< 0.051 U	< 0.050 U
Benzo(k)Fluoranthene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Chrysene	µg/l	< 0.050 U	0.016 J	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Dibenz(a,h)Anthracene	µg/l	< 0.050 U	< 0.053 UJ	< 0.050 U	< 0.053 U	0.016 J	< 0.051 U	< 0.050 U
Fluoranthene	µg/l	< 0.050 U	0.018 J	0.015 J	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Fluorene	µg/l	< 0.050 U	< 0.053 U	< 0.050 U	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.050 U	< 0.053 UJ	< 0.050 U	< 0.053 U	0.017 J	< 0.051 U	< 0.050 U
Naphthalene	µg/l	< 0.060 U	< 0.063 U	< 0.060 U	< 0.063 U	< 0.063 UJ	< 0.061 U	< 0.060 U
Phenanthrene	µg/l	< 0.060 U	< 0.063 U	< 0.060 U	< 0.063 U	< 0.063 U	< 0.061 U	< 0.060 U
Pyrene	µg/l	< 0.050 U	0.014 J	0.011 J	< 0.053 U	< 0.052 U	< 0.051 U	< 0.050 U

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
ExxonMobil Environmental Services Company
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Location		WS-021	WS-021	WS-021
Sample Date		2/10/2015	2/19/2015	2/26/2015
Depths (ft)		0 ft	0 ft	0 ft
Sample ID		WS-021(SURFACE)021015	WS-021(SURFACE)021915	WS-021(SURFACE)022615
	Units			
Field Parameters				
Conductivity	µS/cm	47	49	59
Dissolved Oxygen	mg/l	9.75	18.51	10.8
pH	SU	5.64	6.45	5.14
Temperature	deg C	9.44	5.37	4.74
Turbidity	NTU	9.8	11.8	39.4
PAHs-SIM				
1-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
2-Methylnaphthalene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Acenaphthylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(a)Pyrene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(b)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	0.013 J
Benzo(g,h,i)Perylene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Benzo(k)Fluoranthene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Chrysene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Dibenz(a,h)Anthracene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Fluoranthene	µg/l	< 0.051 U	< 0.051 U	0.014 J
Fluorene	µg/l	< 0.051 U	< 0.051 U	< 0.051 U
Indeno[1,2,3-cd]pyrene	µg/l	< 0.051 U	< 0.051 U	0.012 J
Naphthalene	µg/l	< 0.062 U	< 0.061 U	< 0.061 U
Phenanthrene	µg/l	< 0.062 U	< 0.061 U	< 0.061 U
Pyrene	µg/l	< 0.051 U	< 0.051 U	0.011 J

Appendix G - Analytical Data Tables
Weekly Surface Water Sampling Data

Mayflower Pipeline Incident Response
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Mitigation Action Completion Report

Notes:

1. Weekly samples were collected between February 10, 2014 and February 28, 2015.

2. Between February 10 and March 23, 2014, weekly surface water sampling was conducted at 13 locations within the drainage way (WS-008), cove (WS-004, WS-007, and WS-020), and Lake Conway (WS-001, WS-006, WS-009, WS-010, WS-011, WS-012, WS-014, WS-015, and WS-021).

3. Since March 23, 2014, weekly samples are collected at five locations within the cove (WS-004 and WS-007) and Lake Conway (WS-001, WS-009, and WS-021) based on the Surface Water Sampling and Analysis Plan (ARCADIS 2014).

ADEQ = Arkansas Department of Environmental Quality

B = Analyte was also detected in the blank (organic); value is <CRDL, but >IDL (inorganics)

D = Compound quantitated on a diluted sample

Deg C = degrees Celsius

E = Concentration exceeds the calibration range of the instrument (organic); estimate due to interference (inorganic)

ft = feet

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

mg/l = milligrams per liter

µg/l = micrograms per liter

µS/cm = microSiemens per centimeter

NTU = Nephelometric Turbidity Units

PAHs SIM = polycyclic aromatic hydrocarbons selective ion monitoring

R = The sample results are rejected

SU = standard units

U = Compound was not detected

UB = Compound considered non-detect at the listed value due to associated blank contamination.

UJ = The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Reference:

ARCADIS. 2014. Surface Water Sampling and Analysis Plan, Revision 10. Mayflower Pipeline Incident Response, Mayflower, Arkansas. March 21.