

Mayflower Pipeline Incident Water Monitoring Results

Table 1: Water Quality Readings (YSI)

Location:	SW_BKG1	Sub Location:	first background sampling								
Date/Time: 4/2/2013 14:00											
Color:	clear	Temp °C:	11.8	Conductivity (uS):	62.1	Turbidity (ntu):	6.63	Dissolved O ₂ (mg/L):	8.92	pH:	6
Location:	SW1	Sub Location:	Surface Water 1								
Date/Time: 4/2/2013 15:15											
Color:	clear	Temp °C:	13.9	Conductivity (uS):	58.6	Turbidity (ntu):	14.3	Dissolved O ₂ (mg/L):	10.6	pH:	6
Location:	SW2	Sub Location:	Surface Water 2								
Date/Time: 4/2/2013 11:15											
Color:	clear	Temp °C:	13.5	Conductivity (uS):	60.4	Turbidity (ntu):	9.05	Dissolved O ₂ (mg/L):	9.65	pH:	6
Location:	SW3	Sub Location:	Surface Water 3								
Date/Time: 4/2/2013 10:15											
Color:	clear	Temp °C:	13.9	Conductivity (uS):	62.1	Turbidity (ntu):	11.1	Dissolved O ₂ (mg/L):	10.44	pH:	6
Location:	SW4	Sub Location:	Surface Water 4								
Date/Time: 4/2/2013 15:45											
Color:	brown	Temp °C:	13.5	Conductivity (uS):	55.2	Turbidity (ntu):	42.9	Dissolved O ₂ (mg/L):	3.85	pH:	6
Location:	SW5	Sub Location:	Surface Water 5								
Date/Time: 4/2/2013 13:05											
Color:	clear	Temp °C:	14.6	Conductivity (uS):	74.7	Turbidity (ntu):	26	Dissolved O ₂ (mg/L):	10.6	pH:	6

**Surface Water Sampling Detections and
DRO/ORO/GRO Results**

SampID: RRS42BKG1		Location: SW_BKG1	SampleType: Background Sa	Matrix: Surface Water
Analyte	Method	Result (mg/L)		
Benzene	EPA 5030B/8260	U		
Ethylbenzene	EPA 5030B/8260	U		
Toluene	EPA 5030B/8260	U		
Xylene (Total)	EPA 5030B/8260	U		
SampID: RRS42SW1		Location: SW1	SampleType: Field Sample	Matrix: Surface Water
Analyte	Method	Result (mg/L)		
Benzene	EPA 5030B/8260	0.0058		
Ethylbenzene	EPA 5030B/8260	U		
Toluene	EPA 5030B/8260	0.0052		
Xylene (Total)	EPA 5030B/8260	U		
SampID: RRS42SW2		Location: SW2	SampleType: Field Sample	Matrix: Surface Water
Analyte	Method	Result (mg/L)		
Benzene	EPA 5030B/8260	U		
Ethylbenzene	EPA 5030B/8260	U		
Toluene	EPA 5030B/8260	U		
Xylene (Total)	EPA 5030B/8260	U		
SampID: RRS42SW3		Location: SW3	SampleType: Field Sample	Matrix: Surface Water
Analyte	Method	Result (mg/L)		
Benzene	EPA 5030B/8260	U		
Ethylbenzene	EPA 5030B/8260	U		
Toluene	EPA 5030B/8260	U		
Xylene (Total)	EPA 5030B/8260	U		
SampID: RRS42SW4		Location: SW4	SampleType: Field Sample	Matrix: Surface Water
Analyte	Method	Result (mg/L)		
1,2,4-Trimethylbenzene	EPA 5030B/8260	0.0059		
1,3,5-Trimethylbenzene	EPA 5030B/8260	0.0042		
Benzene	EPA 5030B/8260	0.102		
Ethylbenzene	EPA 5030B/8260	0.003		
Isopropylbenzene (Cumene)	EPA 5030B/8260	0.0011		
Naphthalene	EPA 8270 by SIM	0.00093		
Toluene	EPA 5030B/8260	0.0777		
Xylene (Total)	EPA 5030B/8260	0.0592		
SampID: RRS42SW5		Location: SW5	SampleType: Field Sample	Matrix: Surface Water
Analyte	Method	Result (mg/L)		



Surface Water Sampling Detections and
DRO/ORO/GRO Results

SampID: RRS42SW5		Location: SW5	SampleType: Field Sample	Matrix: Surface Water
Analyte	Method		Result (mg/L)	
Benzene	EPA 5030B/8260		U	
Ethylbenzene	EPA 5030B/8260		U	
Toluene	EPA 5030B/8260		U	
Xylene (Total)	EPA 5030B/8260		U	

U - Indicates the compound was analyzed for, but not detected.