

Milford Haven Terminal - DP3195LV
 Land Farm 7 - Groundwater - Borehole L2

Sample Id	Test	01/08/2013	30/09/2014	04/12/2013	10/04/2014	17/06/2014	20/08/2014	07/10/2014	15/12/2014	23/03/2015	11/06/2015	25/08/2015	03/12/2015	03/03/2016	14/07/2016	22/09/2016	30/11/2016	02/03/2017	23/05/2017	25/09/2017	01/11/2017	27/03/2018	13/06/2018	02/08/2018	26/11/2018	22/03/2019	27/06/2019	26/09/2019	31/12/2019	06/04/2020	10/06/2020	09/09/2020	Result	Units						
	Aliphatics >C10-C12	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l				
	Aliphatics >C12-C16 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aliphatics >C16-C21 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aliphatics >C21-C35 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aliphatics >C5-C6	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aliphatics >C6-C8	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aliphatics >C8-C10	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC10-EC12	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC12-EC16 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC16-EC21 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC16-EC35 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC21-EC35 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC5-EC7	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC7-EC9	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Aromatics >EC9-EC10	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																												mg/l			
	Benzene	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007																											mg/l				
	Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001																											mg/l				
	Carbon, Organic (diss. filt)	20.1	23.7	24.9	19.9	19.1	NS	NS	NS																											mg/l				
	Chloride	26.1	27	27.5	35.5	32.9	29.5	32.9	33.7		37.7	28	13.1	33.5	42.7	29	30.7	23.7	26.4	25	26.8	39.4	20.4	28.1	24.8	22.7	35.6	31.2	33.8	24.3	38.5	35.3	33.7	28.3		mg/l				
	Conductivity @ 20 deg.C	0.436	0.609	0.651	0.425	0.487	0.434	0.541	0.629		0.516	0.489	0.295	0.346	0.399	0.477	0.481	0.335	0.33	0.422	0.351	0.42	0.259	0.398	0.36	0.379	0.313	0.351	0.445	0.254	0.278	0.416	0.433	0.273		mS/cm				
	EPH Band >C10-C12 (aq)	<0.01	<0.01	<0.01	<0.01	<0.01	NS	NS	NS																											mg/l				
	EPH Band >C12-C16 (aq)	0.0182	<0.01	0.0122	0.0102	0.0128	NS	NS	NS																											mg/l				
	EPH Band >C16-C21 (aq)	0.199	0.118	0.183	0.158	0.168	NS	NS	NS																											mg/l				
	EPH Band >C21-C28 (aq)	0.346	0.299	0.295	0.307	0.368	NS	NS	NS																											mg/l				
	EPH Band >C28-C35 (aq)	0.109	0.081	0.071	0.0794	0.128	NS	NS	NS																											mg/l				
	EPH Band >C35-C40 (aq)	0.0205	<0.01	0.0124	0.015	<0.01	NS	NS	NS																											mg/l				
	EPH Range >C10 - C40 (aq)	0.692	0.5	0.573	0.569	0.677	NS	NS	NS																											mg/l				
	Ethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005																											mg/l				
	Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001																											mg/l				
	Lead (tot unfilt)	0.0113	0.0019	0.00116	<0.0005	0.00115	<0.0005	<0.0005	0.00106		<0.0005	<0.0005	0.0005	0.000799	0.00054	<0.0005	0.000843	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.00113	<0.001	<0.001	0.00121	<0.001	0.00215	<0.001	0.0488	<0.001	<0.001	<0.001	mg/l				
	Lead (tot unfilt)	0.0113	0.0019	0.00116	<0.0005	0.00115	<0.0005	<0.0005	0.00106		<0.0005	<0.0005	0.0005	0.000799	0.00054	<0.0005	0.000843	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.00113	<0.001	<0.001	0.00121	<0.001	0.00215	<0.001	0.0488	<0.001	<0.001	<0.001	mg/l					
	m,p-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001																											mg/l				
	m,p-Xylene	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008																											mg/l				
	Methyl tertiary butyl ether (MTBE)	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003																											mg/l				
	Mineral oil >C10-C40 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l				
	Nickel (tot unfilt)	0.0359	0.0125	0.0081	0.00466	0.00646	0.013	0.00427	<0.0005		0.00318	0.00616	0.00564	0.00474	0.0058	0.00628	<0.00544	0.0038	0.00362	0.0081	0.0047	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.00436	0.00559	0.00435	0.00676	0.0108	0.00808	0.00493	0.00324	0.238	0.00378	0.00446	0.00362	mg/l
	Nitrate as N	0.458	1.18	NS	0.562	0.555	NS	NS	NS																											mg/l				
	Nitrite as N	<0.0152	<0.0152	<0.0152	<0.0152	NS	NS	NS	NS																											mg/l				
	Nitrite as NO2	NS	NS	NS	NS	NS	<-0.05	<-0.05	<-0.05		<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	mg/l				
	Organic Carbon, Total	NS	NS	NS	NS	NS	15.9	20.8	26		19.4	19.3	16.2	18.6	13.4	17.3	19.6	17.9	15.8	14.6	21	17.1	9.36	12.4	11.3	13.3	11.7	14.4	<3	12.4	13.9	11.6	13.9	11.1		mg/l				
	o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001																											mg/l				
	o-Xylene	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003																											mg/l				
	pH	6.49	6.65	7.69	7.64	7.78	7.97	7.03	7.28																															

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	Aliphatics >C10-C12	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aliphatics >C12-C16 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aliphatics >C16-C21 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aliphatics >C21-C35 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aliphatics >C5-C6	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aliphatics >C6-C8	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aliphatics >C8-C10	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC10-EC12	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC12-EC16 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC16-EC21 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC16-EC35 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC21-EC35 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC5-EC7	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC7-EC8	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Aromatics >EC8-EC10	NS	NS	NS	NS	NS	<-0.01	<-0.01	<-0.01																											mg/l	
	Benzene	<-0.007	<-0.007	<-0.007	<-0.007	<-0.007	<-0.007	<-0.007	<-0.007																											mg/l	
	Benzene	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001																											mg/l	
	Carbon, Organic (diss. filt)	4.54	4.79	4.87	4.69	<3	NS	NS	NS																											mg/l	
	Chloride	46.2	45.8	43	44.9	46.5	45.6	45.4	45.7	42.9	45	46.5	47.1	47	49.3	49.4	48.3	47.4	50.5	51.2	47.5	47	49.8	50	47.9	44.5	44.5	49.3	49.9	33.1	42	51.7	47.8	39.9	mg/l		
	Conductivity @ 20 deg C	0.582	0.616	0.595	0.563	0.6	0.583	0.569	0.592	0.587	0.627	0.568	0.602	0.598	0.635	0.603	0.603	0.611	0.639	0.577	0.637	0.59	0.593	0.61	0.585	0.606	0.606	0.629	0.613	0.475	0.549	0.594	0.576	0.55	ms/cm		
	EPH Band >C10-C12 (aq)	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	NS	NS	NS																											mg/l	
	EPH Band >C12-C16 (aq)	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	NS	NS	NS																											mg/l	
	EPH Band >C16-C21 (aq)	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	NS	NS	NS																											mg/l	
	EPH Band >C21-C28 (aq)	0.0421	0.0326	0.0289	<-0.01	<-0.01	NS	NS	NS																											mg/l	
	EPH Band >C28-C35 (aq)	0.0374	0.0213	<-0.01	<-0.01	<-0.01	NS	NS	NS																											mg/l	
	EPH Band >C35-C40 (aq)	0.0129	<-0.01	<-0.01	<-0.01	<-0.01	NS	NS	NS																											mg/l	
	EPH Range >C10 - C40 (aq)	0.1	0.0568	0.0477	<-0.046	<-0.046	NS	NS	NS																											mg/l	
	Ethylbenzene	<-0.005	<-0.005	<-0.005	<-0.005	<-0.005	<-0.005	<-0.005	<-0.005																											mg/l	
	Ethylbenzene	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001																											mg/l	
	Lead (tot unflt)	0.00117	0.00168	0.000796	<-0.0005	0.000504	0.000854	<-0.0005	0.0031	<-0.0005	<-0.0005	<-0.0005	<-0.0005	<-0.0005	<-0.0005	<-0.0005	0.00256	<-0.0005	<-0.0005	<-0.0005	<-0.0005	<-0.0005	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	0.00163	0.00134	<-0.001	<-0.001	mg/l
	m,p-Xylene	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001																											mg/l	
	m,p-Xylene	<-0.008	<-0.008	<-0.008	<-0.008	<-0.008	<-0.008	<-0.008	<-0.008																											mg/l	
	Methyl tertiary butyl ether (MTBE)	<-0.003	<-0.003	<-0.003	<-0.003	<-0.003	<-0.003	<-0.003	<-0.003																											mg/l	
	Mineral oil >C10 C40 (aq)	NS	NS	NS	NS	NS	<-0.01	<-0.01	0.0379	<-0.01	<-0.01	0.0379	<-0.01	<-0.01	0.0379	<-0.01	<-0.01	0.0109	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	<-0.01	mg/l		
	Nickel (tot unflt)	0.000559	0.00288	0.00218	0.00123	0.000951	0.00305	0.00126	<-0.0005	<-0.0005	0.00139	<-0.0005	0.00181	0.00103	0.00192	0.00203	0.00101	0.00204	0.00147	0.00136	0.00129	<-0.001	<-0.001	<-0.001	<-0.001	0.00124	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	0.000556	0.00455	<-0.001	<-0.001	mg/l	
	Nitrate as N	<-0.0677	0.349	NS	<-0.0677	0.203	NS	NS	NS																											mg/l	
	Nitrite as N	<-0.0152	<-0.0152	<-0.0152	<-0.0152	NS	NS	NS	NS																											mg/l	
	Nitrite as NO2	NS	NS	NS	NS	NS	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	<-0.05	mg/l	
	Organic Carbon, Total	NS	NS	NS	NS	NS	<3	3.55	3.55	4.41	<3	<3	4.58	4.34	<3	3.19	3.16	<3	<3	<3	<3	3.31	6.11	<3	3.31	4.77	<3	<3	6.85	6.56	<3	<3	4.42		mg/l		
	o-Xylene	<-0.001	<-0.003	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001	<-0.001																											mg/l	
	o-Xylene	<-0.003	<-0.001	<-0.003	<-0.003	<-0.003	<-0.003	<-0.003	<-0.003																											mg/l	
	pH	7.16	7.41	7.2	7.62	8.18	8.5	8.28	7.92	7.85	7.94	8.34	7.37	7.16	7.35	7.34	7.46	7.24	7.25	7.21	7.2	8.42	8.26	7.29	8.13	7.1	7.22	7.47	7.48	7.16	7.31	7.2	7.22		pH Units		
	Sum of detected BTEX	<-0.028	<-0.028	<-0.028	<-0.028	<-0.0																															