

JULY 15 DATA UPDATE: Samples were collected immediately after the spill upstream as a control (point of reference) location (W-016) and downstream of the boom containment area (W-003). Based on the results, two additional booms were installed upstream of W-003 and upstream of W-002s. In addition, samples were collected within the boom containment area and as anticipated with a diesel spill, the values of Total Petroleum Hydrocarbons-Diesel remain above the water quality habitat goals of 640 micrograms per liter in two locations. Sampling results have been provided to the City as the VA receives them and results will continue to be released publicly online.



Matadero Creek Sampling Sites @ VA Hospital Diesel Spill Site

Key

	Original boom containment area		Stormwater outfall
	Amended boom containment area (as of week of 5/31)		Sample locations
			Flow of water

Table 1 (Updated July 15, 2021): Summary of Water Quality Samples within the boom containment area for total petroleum hydrocarbons, total petroleum hydrocarbons-diesel (with silica gel cleanup), and BTEX (benzene, toluene, ethylbenzene and xylenes).

Sample ID	Sample Location	Sample Date	Total Petroleum Hydrocarbons- Diesel	Total Petroleum Hydrocarbons-Diesel (with Silica Gel Cleanup)*	BTEX (benzene, toluene, ethylbenzene and xylenes)
			(all results reported in micrograms per liter [µg/L])		
VA-Creek Outfall	under pipe outfall (near W-014)	05/07/21	65	---	ND
VA-A Creek	upstream of release, past W-016	05/07/21	ND	---	ND
VA-A-1		05/08/21	ND	---	ND
VA-A-2		05/09/21	ND	---	ND
VA-B Creek	downstream of bridge, past W-001	05/07/21	310	---	Xylenes - 2.0
VA-B-1		05/08/21	320	---	ND
VA-B-2		05/09/21	130	---	ND
W-001	downstream of bridge	05/10/21	210	---	ND
		06/01/21	ND	---	ND
		06/04/21	ND	---	ND
		06/10/21	51	---	ND
		06/13/21	ND	---	ND
		06/16/21	100	---	ND
		06/19/21	58	---	ND
		06/22/21	ND	---	ND
		06/25/21	38	---	---
		07/07/21	ND	---	PENDING
W-002	along bridge, downstream side	05/10/21	110	---	ND
		06/02/21	ND	---	ND
		06/05/21	45	---	ND
		06/08/21	52	---	ND
		06/11/21	ND	---	ND
		06/14/21	ND	---	ND
		06/17/21	83	---	ND
		06/23/21	45	---	ND
		06/28/21	47	---	---
W-003	approximately 10 feet downstream of last boom	05/10/21	140	---	ND

		05/18/21	47	---	ND
		05/19/21	83	---	ND
		05/21/21	1,100	---	ND
		05/22/21	55	---	ND
		05/23/21	39	---	ND
		05/24/21	1,500	---	ND
		05/25/21	48	---	ND
		05/26/21	ND	---	ND
		05/28/21	160	---	ND
		05/29/21	43	---	ND
		06/03/21	ND	---	ND
		06/06/21	ND	---	ND
		06/09/21	120	---	ND
		06/12/21	ND	---	ND
		06/15/21	49	---	ND
		06/18/21	81	---	ND
		06/30/21	ND	---	---
W-004	between 3rd and 4th boom going upstream	05/10/21	2,600	---	ND
		05/19/21	2,700	---	ND
		05/23/21	920	---	ND
		05/26/21	2,400	---	ND
		05/29/21	480	---	ND
		06/02/21	55	---	ND
		06/05/21	99	---	ND
		06/09/21	63	---	ND
		06/13/21	67	---	ND
		06/16/21	4,800	6,000	ND
		06/19/21	12,000	10,000	ND
		06/25/21	2,000	1,600	ND
		07/07/21	200	---	PENDING
W-005	between 5th and 6th boom going upstream	05/10/21	2,900	---	ND
		05/24/21	860	---	ND
		06/04/21	570	---	ND
		06/08/21	140	---	ND
		06/10/21	92	---	ND
		06/12/21	39	---	ND

		06/13/21	66	---	ND
		06/15/21	59	---	ND
		06/18/21	150	---	ND
		06/22/21	200	---	ND
		06/25/21	230	---	---
		06/30/21	68	---	---
W-006	between 6th and 7th boom going upstream	05/10/21	5,200	---	ND
		05/21/21	3,200	---	ND
		05/26/21	7,700	---	ND
		06/03/21	5,700	4,800	ND
		06/09/21	16,000	3,500	ND
		06/11/21	410	---	ND
		06/14/21	1,500	1,400	ND
		06/16/21	660	---	ND
		06/17/21	1,000	---	ND
		06/19/21	340	---	ND
		06/23/21	3,200	PENDING	ND
		06/28/21	4,000	3,600	---
		07/07/21	2,600	PENDING	PENDING
		W-007	between 7th and 8th boom going upstream	05/10/21	190,000
05/18/21	6,500			---	ND
05/28/21	2,700			---	ND
06/01/21	1,800			---	ND
06/06/21	6,500			7,900	ND
06/10/21	15,000			13,000	ND
06/11/21	57			---	ND
06/13/21	74			---	ND
06/15/21	5,700			PENDING	ND
06/17/21	8,400			8,500	ND
06/19/21	47*			---	ND
06/22/21	8,000			7,600	ND
06/23/21	11,000			PENDING	ND
06/25/21	8,800			7,700	---
06/30/21	6,600			PENDING	---
07/07/21	2,800	PENDING	PENDING		
W-008	in shallow divided part of creek	05/10/21	2,400	---	ND

		05/22/21	1,500	---	ND
		05/25/21	ND	---	ND
		06/04/21	63	---	ND
		06/08/21	180	---	ND
		06/09/21	53	---	ND
		06/12/21	55	---	ND
		06/14/21	82	---	ND
		06/16/21	ND	---	ND
		06/18/21	470	---	ND
		06/28/21	74	---	---
		07/07/21	ND	---	PENDING
W-009	downstream of foot bridge	05/10/21	120	---	ND
		05/18/21	ND	---	ND
		05/23/21	1,100	---	ND
		05/28/21	150	---	ND
		06/01/21	ND	---	ND
		06/05/21	180	---	ND
		06/06/21	500	---	ND
		06/10/21	160	---	ND
		06/13/21	41	---	ND
		06/17/21	ND	---	ND
		06/22/21	ND	---	ND
		06/25/21	95	---	---
		06/30/21	ND	---	---
W-010	just upstream of foot bridge	05/10/21	84	---	ND
		05/21/21	45	---	ND
		05/24/21	190	---	ND
		06/03/21	ND	---	ND
		06/11/21	ND	---	ND
		06/17/21	130	---	ND
		06/23/21	ND	---	ND
		06/28/21	ND	---	---
W-011	between foot bridge and outfall pipe	05/10/21	100	---	ND
		05/19/21	63	---	ND
		05/22/21	46	---	ND
		05/23/21	39	---	ND

		05/25/21	1,500	---	ND
		05/29/21	670	---	ND
		06/02/21	96	---	ND
		06/05/21	ND	---	ND
		06/08/21	89	---	ND
		06/12/21	71	---	ND
		06/15/21	890	---	ND
		06/30/21	84	---	ND
W-012	between foot bridge and outfall pipe	05/11/21	3,400	---	ND
		05/18/21	560	---	ND
		05/26/21	ND	---	ND
		06/01/21	ND	---	ND
		06/09/21	270	---	ND
		06/14/21	410	---	ND
		06/18/21	210	---	ND
		06/28/21	520	---	---
W-013	between foot bridge and outfall pipe	05/11/21	2,400	---	ND
		05/21/21	970	---	ND
		05/24/21	150	---	ND
		06/03/21	71	57	ND
		06/11/21	84	---	ND
		06/15/21	72	---	ND
		06/19/21	130	---	ND
		06/23/21	ND	---	ND
W-014	by outfall pipe	05/11/21	ND	---	ND
		05/19/21	ND	---	ND
		05/28/21	ND	---	ND
		05/29/21	ND	---	ND
		06/02/21	ND	---	ND
		06/06/21	ND	---	ND
		06/10/21	42	---	ND
		06/12/21	ND	---	ND
		06/16/21	45	---	ND
		06/22/21	120	---	ND
		07/07/21	ND	---	PENDING
W-015	upstream of outfall pipe	05/11/21	36,000	---	ND

		05/22/21	150	---	ND
		05/25/21	38	---	ND
		06/04/21	ND	---	ND
		06/08/21	ND	---	ND
		06/14/21	49	---	ND
		06/18/21	ND	---	ND
		06/28/21	190	---	---
W-016	between two upstream booms	05/11/21	ND	---	ND
		05/18/21	ND	---	ND
		05/19/21	ND	---	ND
		05/21/21	39	---	ND
		05/22/21	ND	---	ND
		05/23/21	ND	---	ND
		05/24/21	ND	---	ND
		05/25/21	ND	---	ND
		05/26/21	ND	---	ND
		05/28/21	ND	---	ND
		05/29/21	ND	---	ND
		06/01/21	ND	---	ND
		06/02/21	ND	---	ND
		06/03/21	ND	---	ND
		06/04/21	ND	---	ND
		06/05/21	93	---	ND
		06/06/21	ND	---	ND
		06/08/21	ND	---	ND
		06/09/21	ND	---	ND
		06/10/21	ND	---	ND
		06/11/21	ND	---	ND
		06/12/21	ND	---	ND
		06/13/21	70	---	ND
06/14/21	ND	---	ND		
06/15/21	ND	---	ND		
06/16/21	ND	---	ND		
06/17/21	ND	---	ND		

	06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
San Francisco RWQCB Water Habitat Goals (Freshwater - Table GW-2 Aquatic Habitat Screening Levels), 2019, Revision 2		0.73	0.014	0.10	NL	0.025	8.0	3.9	0.049	NL	2.1	0.24	6.3	2.0	Various

NL= No Limit; ND = Non Detect; *sample analytical results are still DRAFT from laboratory pending QA/QC