Table 1
Mussel Tissue Analytical Results for Dioxins and Furans
Technical Assistance Grant (TAG) Implementation
Fort Bragg, California
Farallon PN: 3737-001

Sample Location	Sample Identification	Sample Date	Analytical Results (picograms per gram)							
			Total Dioxin/Furan Groups[1]							
			Total HpCDD	Total HpCDF	Total HxCDD	Total HxCDF	Total PeCDD	Total PeCDF	Total TCDD	Total TCDF
Bruhel Point	BP	10/8/2025	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 0.485	< 0.485
	BRUHEL POINT	2/26/2026	**0.418** BJK	**0.116** BJK	**0.186** JK	< 4.60	< 4.60	< 4.60	< 0.921	< 0.921
Solider Bay North	SBN	10/9/2025	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 0.481	< 0.481
	SOLDIER BAY NORTH	2/27/2026	**1.16** BJK	**0.523** BJK	< 4.60	**0.156** BJK	< 4.60	< 4.60	< 0.920	**0.193** J
Solider Bay South	SBS	10/9/2025	**1.17** J	**0.319** J	< 2.47	**0.233** J	< 2.47	< 2.47	< 0.494	< 0.494
	SOLDIER BAY SOUTH	2/27/2026	**1.45** BJ	**0.365** BJ	< 4.63	**0.165** BJ	< 4.63	< 4.63	< 0.926	**0.474** JK
Screening Levels for Subsistence Fishers[4]										
Screening Levels for Recreational Fishers[5]										
Monthly Fish Consumption Limit for Unrestricted Consumption (>16 meals per month)[6]										
Monthly Fish Consumption Limit for No Consumption (<0.5 meals per month)[6]										

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup levels.

Results in **bold** denote concentrations above the laboratory reporting limit.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by Environmental Protections Agency Method 1613B.

[2]Analyzed by U.S. Environmental Protection Agency Method 1668C.

[3]TEQ calculated using 2022 World Health Organization (WHO) toxic equivalent factors. PCB-106 not included in the TEQ calculation.

[4]U.S. Environmental Protection Agency Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume 1, Fish Sampling and Analysis, Third Edition, Table 5-4 Dose-Response Variables and Recommended Screening Values (SVs) for Target Analytes for Subsistence Fishers (based on fish consumption rate of 142.4 g/d, 70kg body weight and, for carcinogens, 10-5 risk level and 70-yr lifetime.), dated November 2000.

[5]U.S. Environmental Protection Agency Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume 1, Fish Sampling and Analysis, Third Edition, Table 5-3 Dose-Response Variables and Recommended Screening Values (SVs) for Target Analytes for Recreational Fishers (based on fish consumption rate of 17.5 g/d, 70kg body weight and, for carcinogens, 10-5 risk level and 70-yr lifetime.), dated November 2000.

[6]U.S. Environmental Protection Agency Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories, Volume 2, Risk Assesment and Fish Consumption Limits,Third Edition, Table 4-25 Monthly Fish Consumption Limits for Carcinogenic and Noncarcinogenic Health Endpoints (based on meal size of 8 ounces), dated November 2000.

B = compound was also detected in the method blank
C = congener has coeluters
HpCDD = heptachloro dibenzo-p-dioxin
HpCDF = heptachloro dibenzofuran
HxCDD = hexachloro dibenzo-p-dioxin
HxCDF = hexachloro dibenzofuran
J = result is an estimate
K = Estimated Maximum Possible Concentration
NE = not established
OCDD = octachloro dibenzo-p-dioxin
OCDF = octachloro dibenzofuran
PCB = polychlorinated biphenyl
PeCDD = pentachloro dibenzo-p-dioxin
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Sample Location	Sample Identification	Sample Date	Analytical Results (picograms per gram)																
			Dioxin/Furan Congeners Used in TEQ Calculation[1]																
			1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDD	1,2,3,7,8,9-HxCDF	1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDF	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDD	2,3,7,8-TCDF	OCDD	OCDF
Bruhel Point	BP	10/8/2025	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 2.43	< 0.485	< 0.485	< 4.85	< 4.85
	BRUHEL POINT	2/26/2026	**0.418** BJK	**0.116** BJK	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 0.921	< 0.921	**3.14** BJ	< 9.21
Solider Bay North	SBN	10/9/2025	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 2.41	< 0.481	< 0.481	**2.13** J	< 4.81
	SOLDIER BAY NORTH	2/27/2026	**0.552** BJ	**0.217** BJ	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 4.60	< 0.920	**0.193** J	**2.89** BJ	**0.486** BJ
Solider Bay South	SBS	10/9/2025	< 2.47	**0.319** J	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 2.47	< 0.494	< 0.494	**5.54**	< 4.94
	SOLDIER BAY SOUTH	2/27/2026	**0.843** BJ	**0.187** BJ	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 4.63	< 0.926	**0.285** J	**5.44** BJ	**0.391** BJ
Screening Levels for Subsistence Fishers[4]																			
Screening Levels for Recreational Fishers[5]																			
Monthly Fish Consumption Limit for Unrestricted Consumption (>16 meals per month)[6]																			
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Results in **bold** denote concentrations above the laboratory reporting limit.
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[2]Analyzed by U.S. Environmental Protection Agency Method 1668C.
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Sample Location	Sample Identification	Sample Date	Analytical Results (picograms per gram)													
			Dioxin-Like PCBs Used in TEQ Calculation[2]												Farallon Calculated Dioxin TEQ ND=0[3] WHO 2022	Farallon Calculated Dioxin TEQ ND=1/2 RL[3] WHO 2022
			PCB-077	PCB-081	PCB-105	PCB-106	PCB-114	PCB-123	PCB-126	PCB-156	PCB-157	PCB-167	PCB-169	PCB-189		
Bruhel Point	BP	10/8/2025	**0.588** J,B	< 0.485	**3.74**	**17.6** B	< 0.485	**0.293** J	< 0.485	**0.898**	**0.365** J	**0.934** B	< 0.485	< 0.728	**0.832**	**3.32**
	BRUHEL POINT	2/26/2026	**0.955** J	< 9.20	**6.26** BJ	< 9.20	**0.32** J	**0.294** J	< 9.20	**1.61** BCJ		**0.957** BJ	< 9.20	< 9.20	**0.026**	**4.00**
Solider Bay North	SBN	10/9/2025	**5.46** B	**0.419** J	**21.4**	**82.0** B	**1.02**	**1.15**	< 0.481	**4.68**	**1.44**	**3.19** B	< 0.481	**0.450** J,B	**6.91**	**9.20**
	SOLDIER BAY NORTH	2/27/2026	**1.77** J	< 9.24	**45.6**	< 9.24	**2.35** J	**1.66** J	< 9.24	**14.4** CJ		**5.80** J	< 9.24	**0.323** J	**0.05**	**3.98**
Solider Bay South	SBS	10/9/2025	**1.98** B	**0.317** J	**12.5**	**54.4** B	**0.644**	**0.800**	< 0.494	**3.22**	**0.964**	**2.60** B	< 0.494	< 0.740	**2.84**	**5.30**
	SOLDIER BAY SOUTH	2/27/2026	**2.36** J	< 9.25	**59.2**	< 9.25	**2.98** J	**2.07** J	< 9.25	**17.5** CJ		**6.53** J	< 9.25	**0.433** J	**0.07**	**4.03**
Screening Levels for Subsistence Fishers[4]															**0.0315**	
Screening Levels for Recreational Fishers[5]															**0.256**	
Monthly Fish Consumption Limit for Unrestricted Consumption (>16 meals per month)[6]															**0.019**	
Monthly Fish Consumption Limit for No Consumption (<0.5 meals per month)[6]															**1.2**	

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