

Table 4-2
Statistical Summary of Chemicals Detected in Surface Water at Waimanalo Stream
Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Analyte	CAS	Units	Number of Detects	Number of Rejects	Number of Samples	Frequency of Detection (a)	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
VOC	Toluene	108-88-3	µg/L	2	--	7	29%	0.090	0.10	0.11	0.13
TPH	TPH-Gasoline	TPH-GASOLINE	mg/L	2	--	7	29%	0.010	0.010	0.0075	0.010
SVOC	Di-n-butylphthalate	84-74-2	µg/L	2	--	7	29%	1.0	1.0	1.1	2.3
PEST	4,4'-DDT	50-29-3	µg/L	2	--	7	29%	0.020	0.020	0.044	0.090
PEST	Aldrin	309-00-2	µg/L	7	--	7	100%	--	--	0.091	0.15
PEST	alpha-BHC	319-84-6	µg/L	1	--	7	14%	0.010	0.010	0.016	0.016
PEST	delta-BHC	319-86-8	µg/L	1	--	7	14%	0.010	0.010	0.015	0.015
PEST	Endosulfan I	959-98-8	µg/L	1	--	7	14%	0.010	0.010	0.013	0.013
PEST	Endosulfan II	33213-65-9	µg/L	1	--	7	14%	0.020	0.020	0.032	0.032
PEST	Endosulfan sulfate	1031-07-8	µg/L	2	--	7	29%	0.020	0.020	0.15	0.17
PEST	Endrin aldehyde	7421-93-4	µg/L	2	--	7	29%	0.040	0.040	0.035	0.048
PEST	Heptachlor	76-44-8	µg/L	5	--	7	71%	0.010	0.010	0.022	0.064
PEST	Heptachlor epoxide	1024-57-3	µg/L	7	--	7	100%	--	--	0.020	0.19
PEST	Toxaphene	8001-35-2	µg/L	--	7	7	--	--	--	--	--
METALS	Aluminum	7429-90-5	mg/L	7	--	7	100%	--	--	0.020	0.34
METALS	Aluminum, dissolved	7429-90-5_D	mg/L	1	--	7	14%	0.020	0.020	0.020	0.020
METALS	Antimony	7440-36-0	mg/L	1	--	7	14%	0.0066	0.0066	0.0058	0.0058
METALS	Antimony, dissolved	7440-36-0_D	mg/L	2	--	7	29%	0.0066	0.0090	0.025	0.029
METALS	Arsenic, dissolved	7440-38-2_D	mg/L	1	--	7	14%	0.0069	0.0069	0.0070	0.0070
METALS	Barium	7440-39-3	mg/L	7	--	7	100%	--	--	0.0033	0.017
METALS	Barium, dissolved	7440-39-3_D	mg/L	7	--	7	100%	--	--	0.0031	0.017
METALS	Cadmium	7440-43-9	mg/L	1	--	7	14%	0.0010	0.0010	0.0010	0.0010
METALS	Calcium	7440-70-2	mg/L	7	--	7	100%	--	--	17	142
METALS	Calcium, dissolved	7440-70-2_D	mg/L	7	--	7	100%	--	--	19	144
METALS	Copper	7440-50-8	mg/L	1	--	7	14%	0.0010	0.0010	0.0020	0.0020
METALS	Iron	7439-89-6	mg/L	7	--	7	100%	--	--	0.073	0.54

Table 4-2
Statistical Summary of Chemicals Detected in Surface Water at Waimanalo Stream
Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Analyte	CAS	Units	Number of Detects	Number of Rejects	Number of Samples	Frequency of Detection (a)	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
METALS	Iron, dissolved	7439-89-6_D	mg/L	6	--	7	86%	0.0020	0.0020	0.015	0.086
METALS	Lead	7439-92-1	mg/L	1	--	7	14%	0.0040	0.0080	0.0070	0.0070
METALS	Lead, dissolved	7439-92-1_D	mg/L	2	--	7	29%	0.0040	0.0080	0.0050	0.0050
METALS	Magnesium	7439-95-4	mg/L	7	--	7	100%	--	--	14	400
METALS	Magnesium, dissolved	7439-95-4_D	mg/L	7	--	7	100%	--	--	14	410
METALS	Manganese	7439-96-5	mg/L	7	--	7	100%	--	--	0.0075	0.090
METALS	Manganese, dissolved	7439-96-5_D	mg/L	7	--	7	100%	--	--	0.0063	0.089
METALS	Nickel	7440-02-0	mg/L	1	--	7	14%	0.0060	0.0060	0.0080	0.0080
METALS	Nickel, dissolved	7440-02-0_D	mg/L	1	--	7	14%	0.0060	0.0060	0.0060	0.0060
METALS	Potassium	7440-09-7	mg/L	7	--	7	100%	--	--	0.93	116
METALS	Potassium, dissolved	7440-09-7_D	mg/L	7	--	7	100%	--	--	0.78	117
METALS	Sodium	7440-23-5	mg/L	7	--	7	100%	--	--	28	3,110
METALS	Sodium, dissolved	7440-23-5_D	mg/L	7	--	7	100%	--	--	28	3,110
METALS	Vanadium	7440-62-2	mg/L	7	--	7	100%	--	--	0.0030	0.0070
METALS	Vanadium, dissolved	7440-62-2_D	mg/L	7	--	7	100%	--	--	0.0030	0.0060
METALS	Zinc	7440-66-6	mg/L	7	--	7	100%	--	--	0.0020	0.023
METALS	Zinc, dissolved	7440-66-6_D	mg/L	6	--	7	86%	0.0020	0.0020	0.0030	0.0050
HERB	2,4,5-TP (Silvex)	93-72-1	µg/L	--	7	7	--	--	--	--	--
HERB	2,3-DB	94-82-6	µg/L	--	7	7	--	--	--	--	--
HERB	Dalapon	75-99-0	µg/L	1	--	7	14%	0.93	26	52	52
HERB	Dichloroprop	120-36-5	µg/L	--	7	7	--	--	--	--	--
CONV	Chloride	CHLORIDE	mg/L	7	--	7	100%	--	--	32	6,285
CONV	Cyanide	5955-70-0	mg/L	1	--	7	14%	0.0010	0.0010	0.0028	0.0028
CONV	Nitrate	NITRATE-N	mg/L	7	--	7	100%	--	--	0.19	6.2
CONV	Nitrite	NITRITE-N	mg/L	7	--	7	100%	--	--	0.0070	0.030
CONV	Sulfate	SULFATE	mg/L	7	--	7	100%	--	--	11	891
CONV	Total Phosphorus-P	TOTAL PHOSPHORUS	mg/L	7	--	7	100%	--	--	0.10	0.20

Table 4-2
Statistical Summary of Chemicals Detected in Surface Water at Waimanalo Stream
Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Analyte	CAS	Units	Number of Detects	Number of Rejects	Number of Samples	Frequency of Detection (a)	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
----------------	---------	-----	-------	-------------------	-------------------	-------------------	----------------------------	-------------	-------------	------------------------	------------------------

Notes:

(a) Frequency of detection is based on number of detections divided by [total number of samples minus number of rejections].

Chemical Groups

VOC = volatile organic compounds Values are for processed data: i.e., (1) multiple results for naphthalene from different analytical methods (SW8260A and SW8310) have been resolved into a single result for each sample, and (2) field duplicates have been resolved into a single result for each location.
 TPH = total petroleum hydrocarbons
 SVOC = semivolatile organic compound
 PEST = pesticides
 HERB = herbicides
 CONV = conventionals

Abbreviations

µg/L = micrograms per liter
 mg/L = milligrams per liter
 MDL = method detection limit