

TABLE 4-13

Statistical Summary of Chemicals Detected in Groundwater at Site LF01
 Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Analyte	Units	Number of Detects	Number of Rejects	Total Number of Samples	Frequency of Detection ¹	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
TPH	TPH-Diesel	mg/L	12	--	22	55%	0.01	0.05	0.03	0.14
TPH	TPH-Gasoline	mg/L	2	4	18	11%	0.01	0.01	0.01	0.015
PEST	4,4'-DDT	µg/L	2	1	21	10%	0.003	0.02	0.021	1.1
PEST	Aldrin	µg/L	5	1	21	24%	0.002	0.003	0.069	0.105
PEST	Chlordane (Gamma)	µg/L	1	1	21	5%	0.003	0.01	18	18
PEST	Endosulfan II	µg/L	1	1	21	5%	0.003	0.02	0.19	0.19
PEST	Endosulfan sulfate	µg/L	3	1	21	14%	0.005	0.022	0.033	1.1
PEST	Endrin	µg/L	1	1	21	5%	0.002	0.03	0.55	0.55
PEST	Endrin aldehyde	µg/L	1	1	21	5%	0.007	0.04	0.2	0.2
PEST	Heptachlor	µg/L	5	5	17	29%	0.003	0.011	0.016	0.16
PEST	Heptachlor epoxide	µg/L	7	1	21	33%	0.003	0.006	0.026	0.17
PEST	Methoxychlor	µg/L	1	1	21	5%	0.011	0.02	0.65	0.65
PEST	Toxaphene	µg/L	--	12	--	--	--	--	--	--
PEST	delta-BHC	µg/L	1	1	21	5%	0.003	0.01	0.052	0.052
PAH	Phenanthrene	µg/L	3	--	22	14%	0.01	0.01	0.01	0.03
PAH	Pyrene	µg/L	1	--	22	5%	0.01	0.03	0.043	0.043
METALS	Aluminum, dissolved	mg/L	21	--	22	95%	0.02	0.02	0.02	0.14
METALS	Antimony, dissolved	mg/L	9	--	22	41%	0.0005	0.0066	0.0006	0.0024
METALS	Arsenic, dissolved	mg/L	6	--	22	27%	0.0006	0.0069	0.0011	0.0047
METALS	Barium, dissolved	mg/L	22	--	22	100%	--	--	0.0142	0.127
METALS	Calcium, dissolved	mg/L	22	--	22	100%	--	--	74.3	970
METALS	Chromium, dissolved	mg/L	1	--	22	5%	0.002	0.004	0.023	0.023
METALS	Cobalt, dissolved	mg/L	2	--	22	9%	0.003	0.004	0.004	0.006
METALS	Copper, dissolved	mg/L	5	--	22	23%	0.001	0.002	0.001	0.004
METALS	Iron, dissolved	mg/L	19	--	22	86%	0.011	0.011	0.003	1.02
METALS	Lead, dissolved	mg/L	12	--	22	55%	0.0025	0.004	0.00048	0.007
METALS	Magnesium, dissolved	mg/L	22	--	22	100%	--	--	62.3	425
METALS	Manganese, dissolved	mg/L	22	--	22	100%	--	--	0.0097	2
METALS	Nickel, dissolved	mg/L	11	--	22	50%	0.006	0.008	0.006	0.018
METALS	Potassium, dissolved	mg/L	22	--	22	100%	--	--	12.1	46.2
METALS	Selenium, dissolved	mg/L	3	--	22	14%	0.0006	0.0058	0.0008	0.0014
METALS	Sodium, dissolved	mg/L	22	--	22	100%	--	--	281	1485
METALS	Thallium, dissolved	mg/L	10	--	22	45%	0.0031	0.011	0.0015	0.004325
METALS	Vanadium, dissolved	mg/L	21	--	22	95%	0.002	0.002	0.004	0.009
METALS	Zinc, dissolved	mg/L	22	--	22	100%	--	--	0.003	0.153
HERB	2,4,5-TP (Silvex)	µg/L	1	3	19	5%	0.038	0.34	0.029	0.029

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Statistical Summary of Chemicals Detected in Groundwater at Site LF01

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Chemical Group	Analyte	Units	Number of Detects	Number of Rejects	Total Number of Samples	Frequency of Detection ¹	Minimum MDL	Maximum MDL	Minimum Detected Value	Maximum Detected Value
HERB	2,4-D	µg/L	1	5	17	6%	0.11	0.52	0.21	0.21
HERB	2,4-DB	µg/L	2	5	17	12%	0.42	0.79	0.27	0.91
HERB	Dalapon	µg/L	6	1	21	29%	0.56	0.97	2.04	830
HERB	Dichloroprop	µg/L	1	10	12	8%	0.14	0.33	0.21	0.21
HERB	Dinoseb	µg/L	1	3	19	5%	0.08	0.21	1.1	1.1
HERB	MCPP	µg/L	2	--	22	9%	22	54.1	53.2	142.7
SVOC	Bis (2-ethylhexyl) phthalate	µg/L	1	--	22	5%	1.36	2.8	2.86	2.86
VOC	Bromomethane	µg/L	2	5	17	12%	0.08	0.33	0.2125	0.31
VOC	Toluene	µg/L	2	2	20	10%	0.09	0.23	0.14	0.28
VOC	m, p-Xylene	µg/L	1	2	20	5%	0.1	0.48	1.33	1.33

Notes:

¹ Frequency of detection is based on number of detections divided by [total number of samples minus number of rejections].

Chemical Groups

TPH = total petroleum hydrocarbons
 PEST = pesticides
 PAH = polynuclear aromatic hydrocarbons
 HERB = herbicides
 VOC = volatile organic compounds
 SVOC = semivolatile organic compounds

Abbreviations

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