

Study: HW0123 Soil / Hazardous Waste PT Results

Opening Date: 1/30/2023

Hawaii Analytical Laboratory, LLC PT Account # : XRU1082

3615 Harding Ave Ste 308, Honolulu, HI, 96816, USA

Pesticides (PT-PEST-SOIL)										Lot #: 7091-14	
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Assigned Value	Result	Units	Low Accept. Limit	High Accept. Limit	Evaluation
7025	Aldrin	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	340	247.6	µg/kg	103	450	Acceptable
7110	alpha-BHC	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	420	310.2	µg/kg	135	589	Acceptable
7115	beta-BHC	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	229	165.9	µg/kg	61.3	325	Acceptable
7105	delta-BHC	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	149	113.9	µg/kg	32.7	222	Acceptable
7120	gamma-BHC (Lindane)	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	347	248.7	µg/kg	101	477	Acceptable
7240	alpha-Chlordane	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	236	182.2	µg/kg	85.6	315	Acceptable
7245	gamma-Chlordane	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	130	99.9	µg/kg	49.5	173	Acceptable
7355	4,4'-DDD	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	329	248.2	µg/kg	115	454	Acceptable
7360	4,4'-DDE	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	473	335.4	µg/kg	171	641	Acceptable
7365	4,4'-DDT	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	159	134.9	µg/kg	37.6	241	Acceptable
7470	Dieldrin	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	200	153.4	µg/kg	74.7	274	Acceptable
7510	Endosulfan I	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	319	161.8	µg/kg	77.3	351	Acceptable
7515	Endosulfan II	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	477	298.7	µg/kg	126	566	Acceptable
7520	Endosulfan sulfate	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	436	294.3	µg/kg	98.1	626	Acceptable
7540	Endrin	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	152	116.8	µg/kg	54.1	211	Acceptable
7530	Endrin aldehyde	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	369	132.6	µg/kg	36.9	406	Acceptable
7535	Endrin ketone	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	310	214.2	µg/kg	77.8	423	Acceptable
7685	Heptachlor	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	66.6	52.7	µg/kg	15.2	92.1	Acceptable
7690	Heptachlor epoxide	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	240	174.3	µg/kg	85.3	314	Acceptable
7810	Methoxychlor	3/7/2023	es	10178811	EPA 8081B Rev.Update IV 2007	242	177.4	µg/kg	24.2	368	Acceptable

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Chlordane (PT-CHLR-SOIL)										Lot #: 7091-15	
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Assigned Value	Result	Units	Low Accept. Limit	High Accept. Limit	Evaluation
7250	Chlordane	2/22/2023	es	10178811	EPA 8081B Rev.Update IV 2007	249	271.9	µg/kg	58.8	367	Acceptable

PCBs (PT-PCB-SOIL)										Lot #: 7091-17	
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Assigned Value	Result	Units	Low Accept. Limit	High Accept. Limit	Evaluation
8880	Aroclor 1016	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	<0.1	< 0.2	mg/kg			Acceptable
8885	Aroclor 1221	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	<0.1	< 0.2	mg/kg			Acceptable
8890	Aroclor 1232	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	<0.1	< 0.2	mg/kg			Acceptable
8895	Aroclor 1242	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	<0.1	< 0.2	mg/kg			Acceptable
8900	Aroclor 1248	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	13.3	10.3	mg/kg	3.07	17.8	Acceptable
8905	Aroclor 1254	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	<0.1	< 0.2	mg/kg			Acceptable
8910	Aroclor 1260	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	<0.1	< 0.2	mg/kg			Acceptable

Additional State Specific Analytes											
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Assigned Value	Result	Units	Low Accept. Limit	High Accept. Limit	Evaluation
8870	Total PCBs	3/2/2023	es	10179358	EPA 8082A Rev.Update IV 2007	13.3	10.3	mg/kg	3.10	18.0	Acceptable

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TCLP Metals (PT-TCLPMET-SOIL)										Lot #: 7091-52B	
NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Assigned Value	Result	Units	Low Accept. Limit	High Accept. Limit	Evaluation
Additional State Specific Analytes											
1005	Antimony					4.34		mg/L	3.29	5.18	NR
1010	Arsenic	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	2.05	2.0	mg/L	1.64	2.55	Acceptable
1015	Barium	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	3.57	3.5	mg/L	2.79	4.20	Acceptable
1020	Beryllium					3.70		mg/L	2.70	4.43	NR
1025	Boron					2.05		mg/L	1.48	2.56	NR
1030	Cadmium	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	4.42	4.22	mg/L	3.50	5.20	Acceptable
1040	Chromium	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	4.03	4.36	mg/L	3.18	4.61	Acceptable
1050	Cobalt					1.88		mg/L	1.40	2.18	NR
1055	Copper					2.27		mg/L	1.67	2.75	NR
1075	Lead	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	4.70	4.7	mg/L	3.57	5.45	Acceptable
1095	Mercury	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	1.74	1.126	mg/L	0.688	1.98	Acceptable
1105	Nickel					4.40		mg/L	3.43	5.17	NR
1140	Selenium	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	3.87	3.63	mg/L	2.97	4.76	Acceptable
1150	Silver	3/7/2023	sh	10118806	EPA 1311 Rev.Update I 1992	1.29	1.2	mg/L	0.785	1.63	Acceptable
1165	Thallium					1.78		mg/L	1.13	2.11	NR
1190	Zinc					2.71		mg/L	2.05	3.36	NR