

TCLP Comparison Study

Parameters	Units	Regulatory Limits	AGREMAX (Manufactured Aggregate)	Fly Ash	Bed Ash	Portland Cement (Ponce Cement)	Evergreen Natural Organic Fertilizer	Rain Forest Potting Soil
TCLP Reactivity, Corrosivity, Ignitability (RCI)								
Cyanide (Reactive)	mg/L		<50	<50	<50	<50	<50	<50
Flash Point	°F		>140	>140	>140	>140	>140	>140
pH	SU		12.24	12.19	12.49	11.96	5.73	5.91
Sulfide (Reactive)	mg/L		<40	<40	<40	<40	<40	<40
TCLP Metals								
Arsenic (As)	PPM	5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (Ba)	PPM	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cadmium (Cd)	PPM	1	0.16	0.07	0.07	0.12	<0.05	<0.05
Chromium (Cr)	PPM	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Lead (Pb)	PPM	5	0.87	<0.5	<0.5	0.65	<0.5	<0.5
Mercury (Hg)	PPM	0.2	0.0016	0.0021	0.0021	0.0023	0.0025	0.0018
Selenium (Se)	PPM	1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (Ag)	PPM	5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
TCLP Semivolatile Organics								
1,4-Dichlorobenzene	mg/L	0.75	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	mg/L	0.013	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	mg/L	0.05	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	mg/L	0.013	ND	ND	ND	ND	ND	ND
Hexachloroethane	mg/L	0.3	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol)	mg/L	0.05	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	mg/L	0.01	ND	ND	ND	ND	ND	ND
Nitrobenzene	mg/L	0.2	ND	ND	ND	ND	ND	ND
Pentachlorophenol	mg/L	10	ND	ND	ND	ND	ND	ND
Pyridene	mg/L	0.5	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	mg/L	40	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	mg/L	0.2	ND	ND	ND	ND	ND	ND
Nitrobenzene-d5 (s)	%		82	64	83	85	30	60
2-Fluorobiphenyl (s)	%		82	68	87	85	34	64
Terphenyl-d14 (s)	%		100	86	100	95	32	86
Phenol-d5 (s)	%		31	29	34	33	11	25
2-Fluorophenol (s)	%		51	45	54	54	14	40
2,4,6-Tribromophenol (s)	%		94	74	94	91	31	75
TCLP Leachate Pesticides								
gamma-BHC (Lindane)	mg/L	0.04	ND	ND	ND	ND	ND	ND
Chlordane	mg/L	0.003	ND	ND	ND	ND	ND	ND
Endrin	mg/L	0.002	ND	ND	ND	ND	ND	ND
Heptachlor	mg/L	0.0008	ND	ND	ND	ND	ND	ND
Methoxychlor	mg/L	1	ND	ND	ND	ND	ND	ND
Toxaphene	mg/L	0.05	ND	ND	ND	ND	ND	ND
Tetrachloro-m-xylene (s)	%		60	54	63	56	112	59
Decachlorobiphenyl (s)	%		79	70	84	65	37	31
TCLP Leachate Acid Herbicides								
2,4-D	mg/L	1	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	mg/L	0.1	ND	ND	ND	ND	ND	ND
2,4-DCPA (s)	%		120	122	118	124	320	130