

Leachate Results, 2008 - 2009, Newcastle Demolition Landfill

Analyte	Units	Leachate	Trip Blank	Leachate
		12/30/08	12/30/08	3/16/09
Conventionals				
Total Dissolved Solids	mg/L	1190	--	953
Chloride	mg/L	48.3	--	21.2
N-Ammonia	mg-N/L	4.75	--	4.86
N-Nitrate	mg-N/L	0.179	--	0.428
N-Nitrite	mg-N/L	0.010 U	--	0.010 U
Nitrate + Nitrite	mg-N/L	0.179	--	0.428
Sulfate	mg/L	98.0	--	77.9
Chemical Oxygen Demand	mg/L	64.0	--	48.3
Total Organic Carbon	mg/L	21.2	--	19.1
Hardness	mg/L CaCO3	890	--	760
Total Metals				
Antimony	µg/L	2 U	--	2 U
Arsenic	µg/L	1	--	1 U
Beryllium	µg/L	1 U	--	1 U
Cadmium	µg/L	2 U	--	2 U
Calcium	µg/L	285000	--	239000
Chromium	µg/L	5 U	--	5 U
Copper	µg/L	3	--	3
Iron	µg/L	4440	--	3290
Lead	µg/L	5	--	2
Magnesium	µg/L	44000	--	39900
Manganese	µg/L	1220	--	1000
Mercury	µg/L	0.1 U	--	0.1 U
Nickel	µg/L	10 U	--	10 U
Selenium	µg/L	2 U	--	2 U
Silver	µg/L	3 U	--	3 U
Thallium	mg/L	1 U	--	1 U
Zinc	µg/L	10 U	--	10 U
Volatile Organics				
Chloromethane	µg/L	0.2 U	0.2 U	1.0 U
Bromomethane	µg/L	0.5 U	0.5 U	1.0 U
Vinyl Chloride	µg/L	0.2 U	0.2 U	0.2 U
Chloroethane	µg/L	0.2 U	0.2 U	0.2
Methylene Chloride	µg/L	0.5 U	0.5 U	0.5 U
Acetone	µg/L	3.0 U	3.0 U	5.0 U
Carbon Disulfide	µg/L	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	µg/L	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	µg/L	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	µg/L	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	µg/L	0.2 U	0.2 U	0.2 U
Chloroform	µg/L	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	µg/L	0.2 U	0.2 U	0.2 U
2-Butanone	µg/L	2.5 U	2.5 U	5.0 U
1,1,1-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	µg/L	0.2 U	0.2 U	0.2 U
Vinyl Acetate	µg/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	µg/L	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U
Trichloroethene	µg/L	0.2 U	0.2 U	0.2 U
Dibromochloromethane	µg/L	0.2 U	0.2 U	0.2 U

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Volatile Organics (continued)				
1,1,2-Trichloroethane	µg/L	0.2 U	0.2 U	0.2 U
Benzene	µg/L	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	µg/L	0.2 U	0.2 U	0.2 U
2-Chloroethylvinylether	µg/L	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	0.2 U	0.2 U	0.2 U
4-Methyl-2-Pentanone (MIBK)	µg/L	2.5 U	2.5 U	5.0 U
2-Hexanone	µg/L	2.5 U	2.5 U	5.0 U
Tetrachloroethene	µg/L	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	µg/L	0.2 U	0.2 U	0.2 U
Toluene	µg/L	0.2 U	0.2 U	0.2 U
Chlorobenzene	µg/L	1.1	0.2 U	1.6
Ethylbenzene	µg/L	0.2 U	0.2 U	0.2 U
Styrene	µg/L	0.2 U	1.6	0.2 U
Trichlorofluoromethane	µg/L	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.2 U	0.2 U	0.2 U
m,p-Xylene	µg/L	0.4 U	0.4 U	0.4 U
o-Xylene	µg/L	0.2 U	0.2 U	0.2 U

U = Compound undetected at the specified detection limit

Bold values for detections of volatiles only.