



Acron Technologies

LANDFILL GAS ANALYSIS: RAW LFG and CO₂ WASH PRODUCT from ACRION'S LFG CLEANUP

Volatile Organic Compound	Concentration (parts per billion)		
	Raw LFG	CO ₂ Wash Product	Detection Limit
<u>Chlorides</u>			
Vinyl Chloride	600	ND	20
Freon-12	610	ND	10
Methylene Chloride	220	ND	10
Trichloroethylene	130	ND	10
Tetrachloroethylene	200	ND	10
cis-1,2-Dichloroethylene	900	ND	500
<u>Aromatics</u>			
Benzene	560	ND	10
Toluene	20,000	ND	500
Ethylbenzene	5,000	ND	200
m,p-Xylene	8,000	ND	200
o-Xylene	3,000	ND	500
4-Ethyltoluene	300	ND	200
1,3,5-Trimethylbenzene	700	ND	200
1,2,4-Trimethylbenzene	2,000	ND	200
<u>Non-Aromatic Hydrocarbons</u>			
Propane	30,000	17,000	1,000
n-Butane	4,000	ND	1,000
iso-Butane	6,000	ND	1,000
n-Pentane	3,000	ND	500
2-Methylbutane	4,000	ND	500
n-Hexane	2,000	ND	500
n-Decane	5,000	ND	500
alpha-Pinene	7,000	ND	500
<u>Alcohols</u>			
Methanol	110,000	ND	500
Ethanol	20,000	ND	500
2-Butanol	4,000	ND	500

NOTES:

ND [=] Not Detected

Analysis by GC/MS, Atlantic Analytical Laboratories, Whitehouse, NJ
Acron demonstration runs, September, 1998