

Air Summary Tables

(Substances screened as insignificant are not shown)

Option 1 - Base-Case

Release Points

Number	Description	Location	Effective Height	Efflux Velocity	Total Flow
			metres	m/s	m3/hr
1	Line 1	Roof	10	7.7	6126
2	Line 2	Roof	10	14.2	562
3	Laboratory	Side of building	5	12.7	2606

Long Term Impact

Substance Assessed	Background Contribution	EAL	PC	PEC	% PC of EAL	% PEC of EAL	EQ
		µg/l	µg/m3	µg/m3	µg/m3		
Ethylbenzene		4410	0.00055	0.00	0.00	0.00	0.00
Hydrogen chloride			0.00006	0.00			
m-xylene			0.00017	0.00			
Nitric acid		52	0.00001	0.00	0.00	0.00	0.00
o-xylene			0.00006	0.00			
Particulates (PM10) (24 hr Mean)			0.23826	0.00			
Styrene		800	0.00330	0.00	0.00	0.00	0.00
Sulphuric acid		10	0.00001	0.00	0.00	0.00	0.00
Toluene		1910	0.00027	0.00	0.00	0.00	0.00
Total:							0.00

Short Term Impact

Substance Assessed	Background Contribution	EAL	PC	PEC	% PC of EAL	% PEC of EAL	EQ
		µg/l	µg/m3	µg/m3	µg/m3		
Ethylbenzene		55200	0.01005	0.00	0.00	0.00	0.00
Hydrogen chloride		750	0.00124	0.00	0.00	0.00	0.00
m-xylene			0.00316	0.00			
Nitric acid		1000	0.00027	0.00	0.00	0.00	0.00
o-xylene			0.00117	0.00			
Particulates (PM10) (24 hr Mean)		50	5.19975		10.40		0.10
Styrene		800	0.06006	0.00	0.01	0.00	0.00
Sulphuric acid		300	0.00027	0.00	0.00	0.00	0.00
Toluene		8000	0.00512	0.00	0.00	0.00	0.00
Total:							0.10

Option Summary