

US EPA ARCHIVE DOCUMENT



Air Sampling Report

Location Name/ID	T006-01-20100521-1555 GI03 GI02
City, State	Grand Isle, Louisiana
Latitude	29.23613
Longitude	-89.9851

SCREENING LEVELS FOR ONE YEAR AVERAGE EXPOSURE TO VOLATILE ORGANIC COMPOUNDS (VOCs) COMMONLY FOUND IN CRUDE OIL		
Contaminant concentration, 1-year average. Measured in micrograms/cubic meter (µg/m3)	Health Concern?	Action
Benzene: 20 µg/m3 and below Toluene: 5000 µg/m3 and below Ethylbenzene: 3000 µg/m3 and below Xylene: 3000 µg/m3 and below	Low concern for increased risk of health problems for measurements in this range.	Public: No action suggested. EPA will continue to evaluate sample results.
Benzene: Above 20 µg/m3 Toluene: Above 5000 µg/m3 Ethylbenzene: Above 3000 µg/m3 Xylene: Above 3000 µg/m3	Level of health concern depends on how much above these levels the measurement is and for how long. Concentrations slightly above these levels for short durations do not generally pose health concerns. There may be some health concern if people are exposed to these levels continuously for a year or more.	Public: No immediate action suggested. EPA will continue to monitor the levels closely. Additional investigation may be needed, e.g., reviewing information about the detected chemical, and where the higher concentrations may be coming from. Additional monitoring may be needed.
If air pollution reaches levels requiring immediate action, you will be notified via local news media.		

Volatile Organic Compounds Chemical Results in µg/m3

DATE RANGE	BENZENE	ETHYLBENZENE	O-XYLENE	TOLUENE
06/05/2010	.44	.6	.6	.52
06/04/2010	.43	.59	.59	.51
06/03/2010	.45	.61	.61	.53
06/02/2010	.47	.63	.63	.55
06/01/2010	.43	.59	.59	.51
05/31/2010	.5	.69	.69	.6
05/30/2010	.46	.62	.62	.54
05/29/2010	.83	1.1	1.1	2.9

DATE RANGE	BENZENE	ETHYLBENZENE	O-XYLENE	TOLUENE
05/28/2010	.46	.62	.62	.54
05/27/2010	.56	.76	1.4	.66
05/26/2010	2.3	3.2	3.2	2.8
05/21/2010	.46	.62	.62	.54