

2019 - Air Sampling Results

Quanta Resources Corporation Superfund Site, OU1

Perimeter Locations

Edgewater, New Jersey

Sample Date	4/23/2019		4/24/2019		4/25/2019		4/29/2019		4/30/2019		5/1/2019		5/2/2019			5/6/2019		5/7/2019		5/8/2019		5/9/2019		
	Location ID	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	FD01	FD02	
Sample Exposure Time	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Average Wind Dir/Speed/Temp	S/3.7 mph/75°F		NW/7.9 mph/68°F		SE/2.9 mph/63°F		SE/3.0 mph/59°F		ESE/1.9 mph/61°F		SE/4.9 mph/55°F		SE/2.9 mph/78°F			E/3.1 mph/74°F		SSE/4.2 mph/69°F		E/2.8 mph/71°F		ESE/5.2 mph/61°F		
Sample Type	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	
Analyte	Risk Screening Level 24-hour exposure																							
1,2,4-Trimethylbenzene	62.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	62.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	4.68	0.7	0.6	2	0.7	<0.6	<0.6	<0.6	<0.6	0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Ethylbenzene	14.6	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Isopropylbenzene	417	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	3.13	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	1,040	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	5,210	2	1	5	0.8	1	1	<0.8	<0.8	1	1	1	26 E	1	1	1	1	1	1	2	1	1	<0.8	0.9
Xylenes, Total	104	<0.9	<0.9	2	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9

Notes:

All data shown in micrograms per cubic meter (µg/m³)

n/a = not applicable. Weather data were not collected April 2, 2018 due to

> - below analytical reporting limit (shown).

E = The sample was analyzed within a batch of samples that had elevated

levels of toluene present, levels that typically can generate system

contamination. The sample was re-analyzed to confirm the presence of

toluene. The presence of toluene was confirmed, but the concentration

reported did not confirm. The result for toluene should be considered

estimated, and is qualified with an E flag.

Average wind direction/speed/temperature measured at a sensor on the

Quanta Property

Levels in air that are shaded are greater than the applicable RSL. The RSL is

used principally as a screening value used to guide actions at the site to control

emissions and odors. The RSL was calculated using a scenario assuming an

individual stands on the site perimeter for 24 hours per day for 2 years.

Daily levels in air have been presented in this table for informational purposes.