

Air Sampling Results March 16, 2018 - July 6, 2018
 Quanta Resources Corporation Superfund Site, OU1
 Offsite Locations - Promenade
 Edgewater, New Jersey

Constituent of Concern	Risk Screening Level	5/10/2018		5/11/2018		5/14/2018				5/15/2018		5/16/2018		5/17/2018		5/18/2018		5/21/2018					
		OSPH		OSPH		OSPH				OSPH		OSPH		OSPH		OSPH		OSPH					
		10	24	10	24	10		24		10	24	10	24	10	24	10	24	10	24	10		24	
Client ID	HQ-OSPH10-VOC-051018	HQ-OSPH24-VOC-051018	HQ-OSPH10-VOC-051118	HQ-OSPH24-VOC-051118	HQ-OSPH10-VOC-051418	HQ-ODUP10-VOC-051418	HQ-OSPH24-VOC-051418	HQ-ODUP24-VOC-051418	HQ-OSPH10-VOC-051518	HQ-OSPH24-VOC-051518	HQ-OSPH10-VOC-051618	HQ-OSPH24-VOC-051618	HQ-OSPH10-VOC-051718	HQ-OSPH24-VOC-051718	HQ-OSPH10-VOC-051818	HQ-OSPH24-VOC-051818	HQ-OSPH10-VOC-052118	HQ-ODUP10-VOC-052118	HQ-OSPH24-VOC-052118	HQ-ODUP24-VOC-052118			
Average Wind Dir/Speed/Temp	SE/5.2 mph/67°F		NW/5.5 mph/74°F		SSE/3.5 mph/70°F				S/4.4 mph/90°F		E/3.3 mph/64°F		SE/1.8 mph/71°F		E/6.0 mph/65°F		SE/3.2 mph/77°F						
10-hour exposure	24-hour exposure																						
1,2,4-Trimethylbenzene	23.6	TBD	< 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	23.6	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	20.2	TBD	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	0.8	0.8	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Ethylbenzene	62.9	TBD	< 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	1350	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	4.62	3.13	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1
n-Propylbenzene	3370	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	16800	TBD	1	1	< 0.8	< 0.8	0.9	< 0.8	1	< 0.8	0.9	< 0.8	< 0.8	< 0.8	2	2	< 0.8	< 0.8	1	< 0.8	0.9	0.9	0.9
Xylenes, Total	337	TBD	< 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

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

*Associated sample (e.g., missing location, time, or duplication) not analyzed due to equipment malfunction
 **Sample collection completed fast; a second canister was deployed to complete the planned exposure time.

All data shown in micrograms per cubic meter (µg/m³)
 Average wind direction/speed/temperature measured at a sensor on the Quanta Property
 > - below analytical reporting limit (shown).
 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 Daily levels in air have been presented in this table for informational purposes. RSLs should be compared with longer-term average levels in air, rather than daily levels in air, for purposes of assessing risks.

Air Sampling Results March 16, 2018 - July 6, 2018
 Quanta Resources Corporation Superfund Site, OU1
 Offsite Locations - Promenade
 Edgewater, New Jersey

Sample Date	5/22/2018		5/23/2018		5/24/2018			5/25/2018		5/29/2018				5/30/2018		5/31/2018		6/1/2018		
	OSPH		OSPH		OSPH			OSPH		OSPH				OSPH		OSPH		OSPH		
Location ID																				
Sample Exposure Time	10	24	10	24	10	24**		10	24	10		24		10	24	10	24	10	24	
Client ID	HQ-OSPH10-VOC-052218	HQ-OSPH24-VOC-052218	HQ-OSPH10-VOC-052318	HQ-OSPH24-VOC-052318	HQ-OSPH10-VOC-052418	HQ-OSPH24-VOC-052418B	HQ-OSPH24-VOC-052418A	HQ-OSPH10-VOC-052518	HQ-OSPH24-VOC-052518	HQ-OSPH10-VOC-052918	HQ-ODUP10-VOC-052918	HQ-OSPH24-VOC-052918	HQ-ODUP24-VOC-052918	HQ-OSPH10-VOC-053018	HQ-OSPH24-VOC-053018	HQ-OSPH10-VOC-053118	HQ-OSPH24-VOC-053118	HQ-OSPH10-VOC-060118	HQ-OSPH24-VOC-060118	
Average Wind Dir/Speed/Temp	SE/2.9 mph/67°F		NW/3.3 mph/82°F		SE/3.5 mph/83°F			SSW/5.1 mph/88°F		SSE/3.7 mph/89°F				ESE/3.4 mph/78°F		E/2.6 mph/69°F		ESE/2.1 mph/81°F		
Constituent of Concern	Risk Screening Level																			
	10-hour exposure	24-hour exposure																		
1,2,4-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
Benzene	20.2	TBD	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<1	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Ethylbenzene	62.9	TBD	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<2	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Isopropylbenzene	1350	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
Naphthalene	4.62	3.13	<1	<1	<1	<1	<1	<1	2	2	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	3370	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1	<1
Toluene	16800	TBD	1	1	1	1	<0.8	<0.8	<0.8	<0.8	<0.8	0.8	0.9	<2	1	1	<0.8	1	1	1
Xylenes, Total	337	TBD	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<2	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9

Notes:
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 **Sample collection completed fast; a second canister was deployed to complete the planned exposure time.

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 Average wind direction/speed/temperature measured at a sensor on the Quanta Property
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 Offsite Locations - Promenade
 Edgewater, New Jersey

Constituent of Concern	Risk Screening Level	6/4/2018		6/5/2018		6/6/2018		6/7/2018		6/8/2018		6/11/2018		6/12/2018		6/13/2018		6/14/2018			
		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH			
		10**	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24		
Client ID	HQ-OSPH10-VOC-060418	HQ-OSPH14-VOC-060418	HQ-OSPH24-VOC-060418	HQ-OSPH10-VOC-060518	HQ-OSPH24-VOC-060518	HQ-OSPH10-VOC-060618	HQ-OSPH24-VOC-060618	HQ-OSPH10-VOC-060718	HQ-OSPH24-VOC-060718	HQ-OSPH10-VOC-060818	HQ-OSPH24-VOC-060818	HQ-OSPH10-VOC-061118	HQ-OSPH24-VOC-061118	HQ-OSPH10-VOC-061218	HQ-OSPH24-VOC-061218	HQ-OSPH10-VOC-061318	HQ-OSPH24-VOC-061318	HQ-OSPH10-VOC-061418	HQ-OSPH24-VOC-061418		
Average Wind Dir/Speed/Temp	ENE/2.4 mph/73°F		WSW/4.9 mph/75°F		E/2.7 mph/71°F		SSE/5.2 mph/71°F		S/4.1 mph/81°F		ESE/3.4 mph/75°F		S/5.5 mph/75°F		S/2.8 mph/76°F		WNW/6.4 mph/85°F				
10-hour exposure	24-hour exposure																				
1,2,4-Trimethylbenzene	23.6	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 3	< 1
1,3,5-Trimethylbenzene	23.6	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 3	< 1
Benzene	20.2	TBD	< 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	< 0.6	< 1	< 0.6	< 2	< 0.6
Ethylbenzene	62.9	TBD	< 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	< 2	< 0.9	< 2	< 0.9
Isopropylbenzene	1350	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 3	< 1
Naphthalene	4.62	3.13	< 1	< 1	< 1	3	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 3	< 1
n-Propylbenzene	3370	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 3	< 1
Toluene	16800	TBD	< 0.8	0.9	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	1	1	< 0.8	< 0.8	< 0.8	< 0.8	< 2	< 0.8	< 2	< 0.8
Xylenes, Total	337	TBD	< 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	< 2	< 0.9	< 2	< 0.9

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 Offsite Locations - Promenade
 Edgewater, New Jersey

Sample Date	6/15/2018		6/18/2018		6/19/2018		6/20/2018		6/21/2018		6/22/2018		6/25/2018		6/26/2018		6/27/2018			
	OSPH		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH		OSPH			
Location ID																				
Sample Exposure Time	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10		24	
Client ID	HQ-OSPH10- VOC-061518	HQ-OSPH24- VOC-061518	HQ-OSPH10- VOC-061818	HQ-OSPH24- VOC-061818	HQ-OSPH10- VOC-061918	HQ-OSPH24- VOC-061918	HQ-OSPH10- VOC-062018	HQ-OSPH24- VOC-062018	HQ-OSPH10- VOC-062118	HQ-OSPH24- VOC-062118	HQ-OSPH10- VOC-062218	HQ-OSPH24- VOC-062218	HQ-OSPH10- VOC-062518	HQ-OSPH24- VOC-062518	HQ-OSPH10- VOC-062518	HQ-OSPH24- VOC-062518	HQ-OSPH10- VOC-062718	HQ-ODUP10- VOC-062718	HQ-OSPH24- VOC-062718	HQ-ODUP24- VOC-062718
Average Wind Dir/Speed/Temp	NE/3.7 mph/77°F		S/4.5 mph/94°F		N/3.9 mph/91°F		SE/3.5 mph/82°F		E/2.6 mph/87°F		ESE/3.8 mph/75°F		N/3.9 mph/84°F		SE/4.9 mph/79°F		S/5.1 mph/74°F			
Constituent of Concern	Risk Screening Level																			
	10-hour exposure	24-hour exposure																		
1,2,4-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	20.2	TBD	<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	<0.6	<0.6	<0.6	<0.6
Ethylbenzene	62.9	TBD	<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	1350	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene	4.62	3.13	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	3370	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	16800	TBD	<0.8	<0.8	<0.8	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	1	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Xylenes, Total	337	TBD	<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:
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 Offsite Locations - Promenade
 Edgewater, New Jersey

Constituent of Concern	Risk Screening Level	6/28/2018		6/29/2018		7/2/2018		7/3/2018		7/5/2018		7/6/2018			
		Location ID		OSPH		OSPH		OSPH		OSPH		OSPH			
		Sample Exposure Time		10	24	10	24	10	24	10	24	10	24	10	24
		Client ID		HQ-OSPH10-VOC-062818	HQ-OSPH24-VOC-062818	HQ-OSPH10-VOC-062918	HQ-OSPH24-VOC-062918	HQ-OSPH10-VOC-070218	HQ-OSPH24-VOC-070218	HQ-OSPH10-VOC-070318	HQ-OSPH24-VOC-070318	HQ-OSPH10-VOC-070518	HQ-OSPH24-VOC-070518	HQ-OSPH10-VOC-070618	HQ-OSPH24-VOC-070618
Average Wind Dir/Speed/Temp		SSW/3.7 mph/84°F		WNW/4.0 mph/92°F		SE/4.3 mph/94°F		ESE/2.2 mph/94°F		SSE/5.6 mph/90°F		WSW/3.3 mph/83°F			
10-hour exposure		24-hour exposure													
1,2,4-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
1,3,5-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Benzene	20.2	TBD	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6		
Ethylbenzene	62.9	TBD	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9		
Isopropylbenzene	1350	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Naphthalene	4.62	3.13	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
n-Propylbenzene	3370	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Toluene	16800	TBD	<0.8	<0.8	<0.8	<0.8	2	1	1	1	<0.8	<0.8	0.8		
Xylenes, Total	337	TBD	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9		

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