

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

Sample Date	5/10/2018		5/11/2018		5/14/2018		5/15/2018		5/16/2018				5/17/2018		5/18/2018		5/21/2018			
	OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM			
Location ID	10	24	10	24	10	24	10	24	10	10	24	24	10	24	10	24	10	24		
Sample Exposure Time																				
Client ID	HQ-OSMM10-VOC-051018	HQ-OSMM24-VOC-051018	HQ-OSMM10-VOC-051118	HQ-OSMM24-VOC-051118	HQ-OSMM10-VOC-051418	HQ-OSMM24-VOC-051418	HQ-OSMM10-VOC-051518	HQ-OSMM24-VOC-051518	HQ-OSMM10-VOC-051618	HQ-ODUP10-VOC-051618	HQ-OSMM24-VOC-051618	HQ-ODUP24-VOC-051618	HQ-OSMM10-VOC-051718	HQ-OSMM24-VOC-051718	HQ-OSMM104-VOC-051818	HQ-OSMM24-VOC-051818	HQ-OSMM10-VOC-052118	HQ-OSMM24-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			
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	
1,3,5-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Benzene	20.2	TBD	0.7	<0.6	<0.6	<0.6	0.7	0.6	0.7	<0.6	<0.6	<0.6	<0.6	<0.6	0.9	1	<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	11	4	<1	<1	3	8	1	<1	<1	<1	<1	<1	1	3	<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	2	1	<0.8	<0.8	2	2	1	0.9	0.8	<0.8	<0.8	<0.8	2	2	<0.8	<0.8	0.8	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	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9

Notes:
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 All data shown in micrograms per cubic meter (µg/m³)
 Average wind direction/speed/temperature measured at a sensor on the Quanta Property
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Air Sampling Results March 16, 2018 - July 6, 2018
 Quanta Resources Corporation Superfund Site, OU1
 Offsite Locations - Metropolitan
 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		6/4/2018			
	OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM			
Location ID	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24		
Sample Exposure Time																				
Client ID	HQ-OSMM10-VOC-052218	HQ-OSMM24-VOC-052218	HQ-OSMM10-VOC-052318	HQ-OSMM24-VOC-052318	HQ-OSMM10-VOC-052418	HQ-OSMM24-VOC-052418	HQ-OSMM10-VOC-052518	HQ-OSMM24-VOC-052518	HQ-OSMM10-VOC-052918	HQ-OSMM24-VOC-052918	HQ-OSMM10-VOC-053018	HQ-OSMM24-VOC-053018	HQ-OSMM10-VOC-053118	HQ-OSMM24-VOC-053118	HQ-OSMM10-VOC-060118	HQ-OSMM24-VOC-060118	HQ-OSMM10-VOC-060418	HQ-OSMM24-VOC-060418		
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		ENE/2.4 mph/73°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		
1,3,5-Trimethylbenzene	23.6	TBD	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Benzene	20.2	TBD	0.7	0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1	0.9	<0.6	<0.6	<0.6	<0.6	0.8	0.7	<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	2	<1	<1	<1	<1	<1	<1	<1	8	4	5	3	<1	2	3	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	2	1	1	1	<0.8	0.9	1	1	2	2	1	1	1	1	2	2	<0.8	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	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9

Notes:
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 Average wind direction/speed/temperature measured at a sensor on the Quanta Property
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Air Sampling Results March 16, 2018 - July 6, 2018
 Quanta Resources Corporation Superfund Site, OU1
 Offsite Locations - Metropolitan
 Edgewater, New Jersey

Sample Date	6/5/2018		6/6/2018		6/7/2018		6/8/2018		6/11/2018		6/12/2018		6/13/2018		6/14/2018		6/15/2018		
	OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		OSMM		
Location ID	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24	10	24	
Sample Exposure Time																			
Client ID	HQ-OSMM10- VOC-060518	HQ-OSMM24- VOC-060518	HQ-OSMM10- VOC-060618	HQ-OSMM24- VOC-060618	HQ-OSMM10- VOC-060718	HQ-OSMM24- VOC-060718	HQ-OSMM10- VOC-060818	HQ-OSMM24- VOC-060818	HQ-OSMM10- VOC-061118	HQ-OSMM24- VOC-061118	HQ-OSMM10- VOC-061218	HQ-OSMM24- VOC-061218	HQ-OSMM10- VOC-061318	HQ-OSMM24- VOC-061318	HQ-OSMM10- VOC-061418	HQ-OSMM24- VOC-061418	HQ-OSMM10- VOC-061518	HQ-OSMM24- VOC-061518	
Average Wind Dir/Speed/Temp	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		NE/3.7 mph/77°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	
1,3,5-Trimethylbenzene	23.6	TBD	<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	0.8	<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	
Isopropylbenzene	1350	TBD	<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	2	1	5	2	<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	
Toluene	16800	TBD	1	<0.8	<0.8	<0.8	<0.8	<0.8	1	1	<0.8	0.9	<0.8	0.9	2	1	<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	

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 Offsite Locations - Metropolitan
 Edgewater, New Jersey

Sample Date	6/18/2018		6/19/2018		6/20/2018		6/21/2018		6/22/2018				6/25/2018		6/26/2018		6/27/2018		
	OSMM		OSMM		OSMM		OSMM		OSMM				OSMM		OSMM		OSMM		
Location ID	10	24	10	24	10	24	10	24	10		24		10	24	10	24	10	24	
Sample Exposure Time																			
Client ID	HQ-OSMM10- VOC-061818	HQ-OSMM24- VOC-061818	HQ-OSMM10- VOC-061918	HQ-OSMM24- VOC-061918	HQ-OSMM10- VOC-062018	HQ-OSMM24- VOC-062018	HQ-OSMM10- VOC-062118	HQ-OSMM24- VOC-062118	HQ-OSMM10- VOC-062218	HQ-ODUP10- VOC-062218	HQ-OSMM24- VOC-062218	HQ-ODUP24- VOC-062218	HQ-OSMM10- VOC-062518	HQ-OSMM24- VOC-062518	HQ-OSMM10- VOC-062618	HQ-OSMM24- VOC-062618	HQ-OSMM10- VOC-062718	HQ-OSMM24- VOC-062718	
Average Wind Dir/Speed/Temp	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	
1,3,5-Trimethylbenzene	23.6	TBD	<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	
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	
Isopropylbenzene	1350	TBD	<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	3	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	
Toluene	16800	TBD	1	1	<0.8	<0.8	2	1	<0.8	<0.8	1	1	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	

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 Offsite Locations - Metropolitan
 Edgewater, New Jersey

Sample Date	6/28/2018		6/29/2018		7/2/2018		7/3/2018		7/5/2018		7/6/2018				
	OSMM		OSMM		OSMM		OSMM		OSMM		OSMM				
Location ID	10	24	10	24	10	24	10	24	10	24	10		24		
Sample Exposure Time															
Client ID	HQ-OSMM10- VOC-062818	HQ-OSMM24- VOC-062818	HQ-OSMM10- VOC-062918	HQ-OSMM24- VOC-062918	HQ-OSMM10- VOC-070218	HQ-OSMM24- VOC-070218	HQ-OSMM10- VOC-070318	HQ-OSMM24- VOC-070318	HQ-OSMM10- VOC-070518	HQ-OSMM24- VOC-070518	HQ-OSMM10- VOC-070618	HQ-ODUP10- VOC-070618	HQ-OSMM24- VOC-070618	HQ-ODUP24- 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				
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
1,3,5-Trimethylbenzene	23.6	TBD	< 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	0.7	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
Isopropylbenzene	1350	TBD	< 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
n-Propylbenzene	3370	TBD	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	16800	TBD	< 0.8	1	< 0.8	< 0.8	1	1	2	2	< 0.8	< 0.8	2	2	2
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

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