

ISS Suspension 2018 - Air Sampling Results
 Quanta Resources Corporation Superfund Site, OU1
 Perimeter Location - FD02
 Edgewater, New Jersey

| Sample Date | 7/9/2018 | 7/10/2018 | 7/11/2018 | 7/12/2018 | 7/13/2018 | 7/16/2018 | 7/17/2018 | 7/18/2018 | 7/19/2018 | 7/20/2018 | 7/23/2018 | 7/25/2018 | 7/26/2018 | 7/27/2018 | 7/30/2018 |
|-----------------------------|------------------|-----------------|----------------|----------------|------------------|----------------|----------------|------------------|----------------|-----------------|-----------------|------------------|------------------|----------------|----------------|
| Location ID | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 |
| Sample Exposure Time | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Average Wind Dir/Speed/Temp | SSW/3.6 mph/87°F | SW/3.2 mph/94°F | E/3.2 mph/88°F | E/2.2 mph/86°F | SSE/3.2 mph/84°F | S/4.1 mph/91°F | S/4.3 mph/89°F | NNE/3.3 mph/86°F | E/2.7 mph/84°F | SE/2.3 mph/82°F | SE/8.9 mph/81°F | SSE/7.0 mph/79°F | WSW/3.4 mph/85°F | S/4.2 mph/89°F | E/2.5 mph/81°F |
| Sample Type | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary |
| Constituent of Concern | | | | | | | | | | | | | | | |
| 24-hour exposure | | | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 62.6 | <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 |
| Benzene | 4.68 | <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 |
| Isopropylbenzene | 417 | <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 |
| n-Propylbenzene | 1,040 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 5,210 | 1 | <0.8 | <0.8 | <0.8 | 1 | 0.8 | 1 | 1 | 0.9 | 1 | <0.8 | <0.8 | <0.8 | 1 |
| Xylenes, Total | 104 | <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 ($\mu\text{g}/\text{m}^3$)
 n/a = not applicable. Weather data were not collected.
 > - below analytical reporting limit (shown).

*Sample collected on 7/24/2018 not analyzed due to equipment malfunction
 ** Sample collected ahead of 24-hour sample time and therefore is considered an estimate

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. RSLs should be compared with longer-term average levels in air, rather than daily levels in air, for purposes of assessing risks.

ISS Suspension 2018 - Air Sampling Results
 Quanta Resources Corporation Superfund Site, OU1
 Perimeter Location - FD02
 Edgewater, New Jersey

| Sample Date | 7/31/2018 | 8/1/2018 | 8/2/2018 | 8/3/2018 | 8/6/2018 | 8/7/2018 | 8/8/2018 | 8/9/2018 | 8/13/2018 | 8/14/2018** | 8/16/2018 | 8/20/2018 | 8/21/2018 | 8/27/2018 | | | | |
|-----------------------------|-----------------|------------------|-----------------|----------------|------------------|----------------|----------------|------------------|------------------|----------------|------------------|----------------|------------------|----------------|---------|------|------|------|
| Location ID | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | | | | |
| Sample Exposure Time | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | | | |
| Average Wind Dir/Speed/Temp | SE/3.3 mph/82°F | SSE/5.3 mph/86°F | SW/4.4 mph/87°F | S/4.3 mph/86°F | WSW/3.2 mph/95°F | S/4.8 mph/90°F | S/3.8 mph/90°F | WNW/5.2 mph/88°F | ENE/2.4 mph/75°F | S/4.2 mph/84°F | WNW/4.0 mph/90°F | E/2.8 mph/75°F | ESE/4.6 mph/80°F | W/3.2 mph/90°F | | | | |
| Sample Type | Primary | Duplicate | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | | | |
| Constituent of Concern | | | | | | | | | | | | | | | | | | |
| 24-hour exposure | | | | | | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 62.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| 1,3,5-Trimethylbenzene | 62.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Benzene | 4.68 | <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 | 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 | | |
| Isopropylbenzene | 417 | <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 | | |
| n-Propylbenzene | 1,040 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Toluene | 5,210 | 0.9 | 1 | 0.9 | 0.9 | <0.8 | 1 | 4 | 1 | 1 | 2 | 2 | 1 | 1 | 0.8 | <0.8 | 0.8 | 1 |
| Xylenes, Total | 104 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | <0.9 | 4 | <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 ($\mu\text{g}/\text{m}^3$)
 n/a = not applicable. Weather data were not collected.
 > - below analytical reporting limit (shown).

*Sample collected on 7/24/2018 not analyzed due to equipment malfunction
 ** Sample collected ahead of 24-hour sample time and therefore is considered an estimate

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. RSLs should be compared with longer-term average levels in air, rather than daily levels in air, for purposes of assessing risks.

ISS Suspension 2018 - Air Sampling Results
 Quanta Resources Corporation Superfund Site, OU1
 Perimeter Location - FD02
 Edgewater, New Jersey

| Sample Date | 8/28/2018 | 8/29/2018 | 8/30/2018 | | 9/4/2018 | 9/5/2018 | 9/6/2018 | 9/7/2018 | 9/10/2018 | 9/11/2018 | | 9/12/2018 | 9/13/2018 | 9/14/2018 | 9/17/2018 | 9/18/2018 | 9/19/2018 | 9/20/2018 | | |
|-----------------------------|-----------------|-----------------|----------------|-----------|----------------|-----------------|------------------|----------------|----------------|------------------|-----------|------------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|-----------|--|
| Location ID | FD02 | FD02 | FD02 | | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | | |
| Sample Exposure Time | 24 | 24 | 24 | | 24 | 24 | 24 | 24 | 24 | 24 | | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | |
| Average Wind Dir/Speed/Temp | SW/3.7 mph/96°F | SW/4.3 mph/96°F | E/3.7 mph/76°F | | E/2.7 mph/94°F | SE/4.2 mph/90°F | SSW/4.0 mph/94°F | E/3.7 mph/77°F | E/5.5 mph/63°F | ENE/1.3 mph/74°F | | ENE/1.3 mph/78°F | E/2.5 mph/78°F | E/3.3 mph/76°F | SE/3.6 mph/79°F | SW/3.6 mph/81°F | NE/2.7 mph/83°F | E/2.2 mph/75°F | | |
| Sample Type | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Primary | Primary | Duplicate | |
| Constituent of Concern | | | | | | | | | | | | | | | | | | | | |
| 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 | |
| 1,3,5-Trimethylbenzene | 62.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Benzene | 4.68 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | <0.6 | 1 | 1 | 0.8 | 0.8 | 1 | <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 | |
| Isopropylbenzene | 417 | <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 | |
| n-Propylbenzene | 1,040 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Toluene | 5,210 | 0.9 | 0.8 | 1 | 1 | 1 | 1 | 0.9 | 0.8 | 1 | 4 | 4 | 2 | 1 | 2 | <0.8 | 1 | 1 | 0.8 | |
| Xylenes, Total | 104 | <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)
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*Sample collected on 7/24/2018 not analyzed due to equipment malfunction
 ** Sample collected ahead of 24-hour sample time and therefore is considered an estimate

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.

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 Quanta Resources Corporation Superfund Site, OU1
 Perimeter Location - FD02
 Edgewater, New Jersey

| Sample Date | 9/21/2018 | 9/24/2018 | 9/25/2018 | 9/27/2018 | 10/1/2018 | 10/2/2018 | 10/3/2018 | 10/4/2018 | 10/5/2018 | 10/8/2018 | 10/9/2018 | 10/10/2018 | |
|-----------------------------|----------------|----------------|-----------------|-----------------|------------------|------------------|-----------------|------------------|-----------------|----------------|----------------|----------------|-----------|
| Location ID | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | FD02 | |
| Sample Exposure Time | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | |
| Average Wind Dir/Speed/Temp | S/4.6 mph/72°F | E/4.9 mph/69°F | SE/4.6 mph/74°F | NE/2.8 mph/76°F | SSW/2.9 mph/79°F | SSE/3.0 mph/79°F | NW/4.6 mph/77°F | SSW/2.6 mph/78°F | NE/2.8 mph/72°F | E/3.9 mph/67°F | S/1.9 mph/77°F | S/3.6 mph/83°F | |
| Sample Type | Primary | Primary | Primary | Primary | Primary | Primary | Duplicate | Primary | Primary | Primary | Primary | Primary | Duplicate |
| Constituent of Concern | | | | | | | | | | | | | |
| 24-hour exposure | | | | | | | | | | | | | |
| 1,2,4-Trimethylbenzene | 62.6 | <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 |
| Benzene | 4.68 | <0.6 | <0.6 | <0.6 | <0.6 | 1 | 1 | 1 | 1 | <0.6 | 0.8 | 0.8 | <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 |
| Isopropylbenzene | 417 | <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 |
| n-Propylbenzene | 1,040 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Toluene | 5,210 | <0.8 | <0.8 | 1 | <0.8 | 2 | 0.9 | 0.9 | 0.9 | 2 | 0.9 | 1 | 1 |
| Xylenes, Total | 104 | <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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