

**PRE-CONSTRUCTION BASELINE AIR  
SAMPLE DATA**

**PAMP BASELINE SAMPLES ANALYTICAL RESULTS  
HONEYWELL HIGHLAND PARK  
HIGHLAND PARK, NEW JERSEY**

Analyte	CAS Number	Units	Criteria	200-36351-1 AMS-5-112116 11/21/2016	200-36370-1 AMS-5-112216 11/22/2016	200-36371-1 AMS-5-112316 11/23/2016	200-36404-1 AMS-5-112816 11/28/2016	200-36452-1 AMS-5-120116 12/1/2016
<b>Metals</b>								
Copper	7440-50-8	mg/m <sup>3</sup> Filter	0.1	0.00013 J	0.00037 U	0.00038 U	0.00039 U	0.00035 U
Lead	7439-92-1	mg/m <sup>3</sup> Filter	0.0003	0.000073 U	0.000073 U	0.000076 U	0.000077 U	0.000071 U
<b>PAHs</b>								
Acenaphthene	83-32-9	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.074
Acenaphthylene	208-96-8	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.0015 J	0.012 J
Anthracene	120-12-7	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.0046 J
Benzo[a]anthracene	56-55-3	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Benzo[a]pyrene	50-32-8	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Benzo[b]fluoranthene	205-99-2	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U *
Benzo[g,h,i]perylene	191-24-2	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Benzo[k]fluoranthene	207-08-9	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Chrysene	218-01-9	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Dibenz(a,h)anthracene	53-70-3	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Fluoranthene	206-44-0	ug/m <sup>3</sup> PUF		0.0019 J	0.0016 J	0.027 U	0.0021 J	0.0045 J
Fluorene	86-73-7	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.0037 J	0.045
Indeno[1,2,3-cd]pyrene	193-39-5	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.026 U	0.024 U
Naphthalene	91-20-3	ug/m <sup>3</sup> PUF		0.011 J	0.087	0.015 J	0.066	9.6 D
Phenanthrene	85-01-8	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.0093 J	0.038
Pyrene	129-00-0	ug/m <sup>3</sup> PUF		0.032 U	0.027 U	0.027 U	0.0017 J	0.0047 J
<b>PCBs</b>								
PCB-1016	12674-11-2	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1221	11104-28-2	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1232	11141-16-5	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1242	53469-21-9	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1248	12672-29-6	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1254	11097-69-1	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1260	11096-82-5	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1262	37324-23-5	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
PCB-1268	11100-14-4	ug/m <sup>3</sup> PUF		0.074 U	0.074 U	0.076 U	0.078 U	0.071 U
<b>VOCs</b>								
1,1,1-Trichloroethane	71-55-6	ug/m <sup>3</sup>		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m <sup>3</sup>		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/m <sup>3</sup>		0.40 J	0.58 J	0.60 J	0.63 J	0.53 J
1,1,2-Trichloroethane	79-00-5	ug/m <sup>3</sup>		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	75-34-3	ug/m <sup>3</sup>		0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	75-35-4	ug/m <sup>3</sup>		0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	120-82-1	ug/m <sup>3</sup>		15 U	15 U	15 U	15 U	15 U
1,2,4-Trimethylbenzene	95-63-6	ug/m <sup>3</sup>		0.21 J	0.63 J	0.82 J	3.9	2.1

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1,2-Dibromoethane (EDB)	106-93-4	ug/m <sup>3</sup>		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	ug/m <sup>3</sup>		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,2-Dichlorobenzene	95-50-1	ug/m <sup>3</sup>		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	107-06-2	ug/m <sup>3</sup>		0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	78-87-5	ug/m <sup>3</sup>		0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	108-67-8	ug/m <sup>3</sup>		0.98 U	0.24 J	0.24 J	1.1	0.68 J
1,3-Dichlorobenzene	541-73-1	ug/m <sup>3</sup>		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	106-46-7	ug/m <sup>3</sup>		1.2 U	1.2 U	1.1 J B	0.26 J B	1.2 U
1,4-Dioxane	123-91-1	ug/m <sup>3</sup>		18 U	18 U	18 U	0.65 J	1.5 J
2-Butanone (MEK)	78-93-3	ug/m <sup>3</sup>		0.82 J	0.90 J	24	21	1.0 J
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/m <sup>3</sup>		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Acetone	67-64-1	ug/m <sup>3</sup>	62,000	5.5 J	7.0 J	26	27	7.2 J
Benzene	71-43-2	ug/m <sup>3</sup>	1,300	0.11 J	1.5	0.92	3.7	3.3
Benzyl chloride	100-44-7	ug/m <sup>3</sup>	240	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Bromodichloromethane	75-27-4	ug/m <sup>3</sup>		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	75-25-2	ug/m <sup>3</sup>		2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	74-83-9	ug/m <sup>3</sup>		0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Carbon disulfide	75-15-0	ug/m <sup>3</sup>	6,200	1.6 U	1.6 U	0.77 J	0.12 J	0.14 J
Carbon tetrachloride	56-23-5	ug/m <sup>3</sup>	1,900	0.24 J	0.49 J	0.49 J	0.49 J	0.45 J
Chlorobenzene	108-90-7	ug/m <sup>3</sup>	150	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chloroethane	75-00-3	ug/m <sup>3</sup>		2.1 U	2.1 U	2.1 U	0.29 J	0.57 J
Chloroform	67-66-3	ug/m <sup>3</sup>		0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	74-87-3	ug/m <sup>3</sup>		1.1	1.2	1.1	1.6	1.4
cis-1,2-Dichloroethene	156-59-2	ug/m <sup>3</sup>		0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	10061-01-5	ug/m <sup>3</sup>		0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	110-82-7	ug/m <sup>3</sup>	6,000	0.061 J	2.6	0.77 J	3	3.4
Dibromochloromethane	124-48-1	ug/m <sup>3</sup>		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	75-71-8	ug/m <sup>3</sup>		2.3 J	2.4 J	2.4 J	2.5	2.3 J
Ethylbenzene	100-41-4	ug/m <sup>3</sup>	1,000	0.87 U	1.2	1.5	2.1	2
Hexachlorobutadiene	87-68-3	ug/m <sup>3</sup>		21 U	21 U	21 U	21 U	21 U
Hexane	110-54-3	ug/m <sup>3</sup>		0.29 J	5.7	7	28	11
Isopropyl alcohol	67-63-0	ug/m <sup>3</sup>	3,200	1.4 J B	4.0 J B	2.2 J B	3.7 J B	2.5 J
Isopropylbenzene	98-82-8	ug/m <sup>3</sup>		3.9 U	3.9 U	3.9 U	0.33 J	0.18 J
Methyl tert-butyl ether	1634-04-4	ug/m <sup>3</sup>		3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Methylene Chloride	75-09-2	ug/m <sup>3</sup>	14,000	8.1	7.3	34	99	4.1
m-Xylene & p-Xylene	179601-23-1	ug/m <sup>3</sup>	22,000	3.5 U	3.6	2.7 J	7.3	6.7
Naphthalene	91-20-3	ug/m <sup>3</sup>		2.6 U	2.6 U	0.51 J	2.6 U	0.48 J B
o-Xylene	95-47-6	ug/m <sup>3</sup>	22,000	0.87 U	1.3	0.81 J	2.8	2.6
Styrene	100-42-5	ug/m <sup>3</sup>	21,000	0.85 U	0.60 J	0.59 J	0.47 J	0.75 J

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Tetrachloroethene	127-18-4	ug/m <sup>3</sup>	20,000	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	109-99-9	ug/m <sup>3</sup>		15 U	15 U	1.4 J	13 J	15 U
Toluene	108-88-3	ug/m <sup>3</sup>	37,000	0.75 U	23	7.5	15	13
trans-1,2-Dichloroethene	156-60-5	ug/m <sup>3</sup>		0.79 U	0.11 J	0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	10061-02-6	ug/m <sup>3</sup>		0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethene	79-01-6	ug/m <sup>3</sup>		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	75-69-4	ug/m <sup>3</sup>		1.2	1.3	1.4	1.4	1.3
Vinyl acetate	108-05-4	ug/m <sup>3</sup>		18 U	18 U	18 U	18 U	18 U
Vinyl bromide	593-60-2	ug/m <sup>3</sup>		0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl chloride	75-01-4	ug/m <sup>3</sup>	180,000	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

**Note:**

- BOLD:** For metals, exceedance above the site specific inhalation exposure concentration.
- BOLD:** For PCB, PAHs and VOCs, exceedance above the to NJDEP Reference Concentrations for Short-Term Inhalation Exposure.

**Data Qualifiers:**

U - The compound was not detected at the indicated concentration

J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

UJ - The compound was not detected at the indicated concentration. The result is less than the specified quantitation limit but greater than or equal to the method detection limit.

E - Indicates value exceeds calibration range.

B - Compound present in blank sample.

R - Rejected by data validation.