



**TTI ENVIRONMENTAL, INC.**  
**Consulting & Contracting**

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October 6, 2017

Mr. Stephen J. Brennan, MBA, CPA  
 Business Administrator/Board Secretary  
 Pinelands Regional Board of Education  
 520 Nugentown Road  
 Little Egg Harbor, NJ 08087

Re: TTI Project 17-1224  
 Pinelands Regional High School  
 Indoor Air Quality Testing

Dear Mr. Brennan,

TTI Environmental, Inc. is pleased to present this report containing results of indoor air monitoring performed at Pinelands Regional High School on 10.5.2017. A list of compounds detected summarized below along with various health criteria.

Results	CAS	ug/m3	ppm	OSHA PEL ppm	OSHA PEL mg/m <sup>3</sup>	NIOSH REL ppm	ACGIH TLV ppm	NJ-IRRAL µg/m <sup>3</sup>	NJ-INRAL µg/m <sup>3</sup>	SDS
Ethanol	64175	90.0	0.0480	1000	1900	1000	1000	-	-	
Isopropyl alcohol(2-Propanol)	67630	17.0	0.0070	400	980	400	200	-	-	
Acetone	67641	24.0	0.0099	1000	2400	250	250	64000	280000	
Benzene	71432	8.9	0.0028	1		0.1	10	30	200	
Chloromethane	74873	3.6	0.0017	25	-	-	50	190	780	
Freon 11(Trichlorofluoromethane)	75694	24.0	0.0042	1000	5600	1000	1000	-	-	
Freon 12(Dichlorodifluoromethane)	75718	2.5	0.0005	1000	4950	1000	1000	200	880	
Naphthalene	91203	11.0	0.0021	10	50	10	10	-	-	
Xylene (Ortho)	95476	53.0	0.0120	100	435	100	100	-	-	x
1,2,4-Trimethylbenzene	95636	180.0	0.0370	-	-	25	25	-	-	x
Isopropylbenzene (cumene)	98828	19.0	0.0039	50	245	50	50	-	-	
Ethylbenzene	100414	37.0	0.0084	-	-	-	-	100	500	
n-Butane	106978	70.0	0.0290	-	-	1000	800	-	-	
1,3,5-Trimethylbenzene	108678	85.0	0.0170	-	-	25	25	-	-	
Toluene	108883	58.0	0.0150	200	750	100	20	-	-	
n-Hexane	110543	28.0	0.0081	500	1800	50	50	-	-	
Cyclohexane	110827	10.0	0.0029	300	1015	300	300	13000	52000	
Propylene	115071	3.5	0.0020	-	-	-	-	-	-	
n-Heptane	142825	35.0	0.0087	500	2000	85	400	-	-	
2,2,4-Trimethylpentane(Isooctane)	540841	31.0	0.0067	300	-	75	300	-	-	
4-Ethyltoluene	622968	150.0	0.0310	-	-	-	-	-	-	
Xylene (p,m)	1330207	110.0	0.0250	-	-	150	150	-	-	x

OSHA PEL Occupational Health & Safety Administration Permissible Exposure Limit  
 NIOSH REL National Institute of Occupational Safety & Health Recommended Exposure Limit  
 ACGIH TLV American Conference of Governmental Industrial Hygienists Threshold Limit Values  
 NJ-IRRAL NJDEP RESIDENTIAL VAPOR INTRUSION SCREENING LEVELS, March 2013  
 NJ-INRAL NJDEP NON-RESIDENTIAL VAPOR INTRUSION SCREENING LEVELS, March 2013



TTI has evaluated the results and can confirm that none of the target compounds exceeded limits for either exposure or notification at both the state and federal levels. When comparing the laboratory results (shaded) to the regulatory requirements, all were well below thresholds of concern. TTI recommends that the building can safely be occupied.

We appreciate the opportunity to assist with your IAQ concerns. If you should have any questions or require additional information, please feel free to contact me directly.

Sincerely,

TTI ENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "Tim Popp", is written over the printed name.

Timothy Popp  
Vice President of Consulting