



## State of New Jersey

Department of Environmental Protection  
Site Remediation Program  
Bureau of Environmental Measurements and Site Assessment  
380-01  
PO Box 420  
Trenton, New Jersey 08625-0420  
(609) 530-2474

CHRIS CHRISTIE  
*Governor*

Kim Guadagno  
*Lt. Governor*

Bob Martin  
*Commissioner*

Walter S. Pudelko  
Glassboro Board of Education  
George Beach Administration Building  
560 Joseph Bowe Boulevard  
Glassboro, NJ 08028

Re: Soil Gas & Indoor Air Sampling  
Glassboro Intermediate School  
202 North Delsea Drive  
Glassboro, Gloucester County

Dear Walter:

The New Jersey Department of Environmental Protection (NJDEP) is writing to provide you with the analytical results from the sub slab soil gas and indoor air samples collected at the Glassboro Intermediate School on March 26 and 27, 2014. The samples were collected due to the presence of elevated levels of BTEX in the ground water.

Seven indoor air, one outside ambient air and two sub slab soil gas samples were collected throughout the school. The samples were analyzed for volatile organic compounds according to USEPA Low Level Method TO-15. The results were compared with NJDEP's Residential Indoor Air Screening Levels (RIASLs) or Soil Gas Screening Levels (SGSLs).

No contaminants were detected in any of the samples above NJDEP RIASLs or SGSLs.

Please be advised that the New Jersey Department of Health (NJDOH) is responsible for evaluating indoor air quality issues. Therefore, if you have questions regarding the quality of the indoor air and/or require information about potential health effects, please contact NJDOH's Indoor Environments Program at (609) 826-4920.

Based on these findings, NJDEP does not plan to conduct further indoor air testing at the school. If you have any questions about your analytical results please contact Frank Sorce at (609) 530-2457.

Sincerely,

William F. Lowry, Bureau Chief  
Bureau of Env. Measurements & Site Assessment

Attachment: Indoor Air & Soil Gas Result Tables

c. Dr. Mark Silverstein, Superintendent of Schools

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Indoor Air Screening Level	Retention Time	QAS Decision	Foot- notes
Field ID Num: A-1; Lab ID Num: 200-21599-5; Sampling Date: 03/27/2014; Analysis Date: 04/02/2014 NJDEP-LLTO-15									
Acetone	67-64-1	58.078	5.0	U *	12	32,000			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U *	4	4			
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Unknown									
Unknown			4.2	J			7.82		
Unknown			1.1	J			8.76		
Field ID Num: A-2; Lab ID Num: 200-21599-3; Sampling Date: 03/27/2014; Analysis Date: 04/02/2014 NJDEP-LLTO-15									
Acetone	67-64-1	58.078	5.0	U *	12	32,000			
Chloromethane	74-87-3	50.49	0.64		1	94			
Dichlorodifluoromethane	75-71-8	120.91	0.51		3	100			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U *	4	4			
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Unknown									
Unknown			2.7	J			7.82		
Unknown			1.9	J			8.77		
Field ID Num: A-3; Lab ID Num: 200-21599-6; Sampling Date: 03/27/2014; Analysis Date: 04/04/2014 NJDEP-LLTO-15									
Acetone	67-64-1	58.078	5.0	U *	12	32,000			
Chloromethane	74-87-3	50.49	0.53		1	94			
Methylene chloride	75-09-2	84.93	0.87		3	96			
Methyl ethyl ketone	78-93-3	72.11	0.54		2	NA			
Toluene	108-88-3	92.14	0.99		4	5,200			
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Ethane, 1,1-difluoro-	75-37-6		2.7	JN			4.39		
Difluorochloromethane	75-45-6		1.3	JN			4.53		
Unknown			1.4	J			8.75		
1-Butanol	71-36-3		1.6	JN			15.02		

Field ID Num: A-4; Lab ID Num: 200-21599-2; Sampling Date: 03/27/2014; Analysis Date: 04/02/2014									
NJDEP-LLTO-15									
Compound	67-64-1	58.078	ppbv	U*	ug/m3	32,000			
Acetone			5.0	U*	12				
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U*	4	4			
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Butane, 2-methyl-	78-78-4		3.0	JN					6.69
Unknown			6.4	J					7.83
Unknown			1.3	J					8.77
Field ID Num: A-5; Lab ID Num: 200-21599-1; Sampling Date: 03/27/2014; Analysis Date: 04/02/2014									
NJDEP-LLTO-15									
Compound	67-64-1	58.078	ppbv	U*	ug/m3	32,000			
Acetone			5.0	U*	12				
Chloromethane	74-87-3	50.49	0.53		1	94			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U*	4	4			
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Unknown alkane			3.0	J					4.54
Total Alkanes			3.0	J					
Field ID Num: A-6; Lab ID Num: 200-21599-8; Sampling Date: 03/27/2014; Analysis Date: 04/04/2014									
NJDEP-LLTO-15									
Compound	67-64-1	58.078	ppbv	U*	ug/m3	32,000			
Acetone			5.0	U*	12				
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Unknown			2.1	J					7.79
Unknown			1.8	J					9.02
Field ID Num: A-7; Lab ID Num: 200-21599-4; Sampling Date: 03/27/2014; Analysis Date: 04/02/2014									
NJDEP-LLTO-15									
Compound	67-64-1	58.078	ppbv	U*	ug/m3	32,000			
Acetone			5.0	U*	12				
Chloromethane	74-87-3	50.49	0.58		1	94			
n-Hexane	110-54-3	86.172	0.45		2	730			
Isopropanol	67-63-0	60.1	14		35	NA			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U*	4	4			
Volatile Tentatively Identified Compounds (up to 30 compounds)									
Unknown			2.1	J					7.8
Unknown			1.5	J					8.75

Field ID Num: AB-1; Lab ID Num: 200-21599-7; Sampling Date: 03/27/2014; Analysis Date: 04/04/2014		NJDEP-LLTO-15	
Acetone		ppbv	ug/m3
Chloromethane	58.078	5.0	U*
Volatiles Tentatively Identified Compounds (up to 30 compounds)	50.49	0.50	1
			94
			Soil Gas Screening Level
Field ID Num: SS1; Lab ID Num: 200-21599-9; Sampling Date: 03/27/2014; Analysis Date: 04/04/2014		NJDEP-LLTO-15	
Acetone		ppbv	ug/m3
Volatiles Tentatively Identified Compounds (up to 30 compounds)	58.078	50	U*
Unknown		30	J
			22.34
Field ID Num: SS2; Lab ID Num: 200-21599-10; Sampling Date: 03/27/2014; Analysis Date: 04/04/2014		NJDEP-LLTO-15	
Acetone		ppbv	ug/m3
Volatiles Tentatively Identified Compounds (up to 30 compounds)	58.078	50	U*
			1,600,000

U = NON DETECT  
U\* = RECOVERY OR RPD EXCEEDS CONTROL LIMITS  
J = INDICATES AS ESTIMATED VALUE  
N = INDICATES THE PRESUMPTIVE EVIDENCE OF A COMPOUND