

# ***EHS ENVIRONMENTAL, INC.***

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411 SOUTHGATE COURT, SUITE E • MICKLETON, NJ • 08056  
MAIN: 856-224-0080 • FAX: 856-224-0081

## **VOLATILE ORGANIC COMPOUND ANALYSIS REPORT**

**CLIENT:** Centennial School District  
433 Centennial Road  
Warminster, PA 18974

**LOCATION:** Log College Middle School  
730 Norristown Way  
Warminster, PA

**PROJECT NUMBER:** 5-18-21214-VOC

**CONTACT PERSON:** Mr. Tom Golden

**DATE OF REPORT:** June 2, 2018

**REPORT REVIEWED BY:**



**Jack F. Carney, President**

## **EXECUTIVE SUMMARY**

EHS Environmental, Inc. was contracted by Centennial School District to provide airborne sample collection and analytical services for Total Volatile Organic Compounds (TVOC) as n-Hexane in specified areas at the Log College Middle School located at 730 Norristown Way in Warminster, Pennsylvania. The survey was conducted on May 25, 2018.

Results indicate:

1. Airborne sampling results indicate Total Volatile Organic Compound levels as n-Hexane were below 500 parts per million (ppm).

## **METHODS**

### **Total Volatile Organic Compounds as n-Hexane Sampling**

Airborne samples were collected with the use of passive monitoring badges. Badges were placed in the breathing zone at a height of approximately five to six feet above the floor level.

### **Sample Analysis**

Sample analysis was performed at EMSL located in Cinnaminson, New Jersey. Analysis was performed by GC/FID via modified NIOSH 1500, Issue 3, 3/15/03.

### **OSHA Standard**

The current OSHA standard for n-Hexane is 500 ppm.

### **Sources of VOCs**

Household products, including:

- paints, paint strippers and other solvents
- wood preservatives
- aerosol sprays
- cleansers and disinfectants
- moth repellents and air fresheners
- stored fuels and automotive products
- hobby supplies
- dry-cleaned clothing
- pesticide

Other products, including:

- building materials and furnishings
- office equipment such as copiers and printers, correction fluids and carbonless copy paper
- graphics and craft materials including glues and adhesives, permanent markers and photographic solutions.

**TVOC's SAMPLING RESULTS**

**CLIENT:** Centennial School District

**PROJECT NUMBER:** 5-18-21214-VOC

**LOCATION:** Log College Middle School  
730 Norristown Way  
Warminster, PA

**ACTIVITY:** Background Air Samples

**COLLECTION DATE:** May 25, 2018

<b>SAMPLE#</b>	<b>LOCATION/DESCRIPTION</b>	<b>CONCENTRATION (ppm)</b>
6637	Hallway outside Room 19	0.22
6636	Hallway outside Room 24	0.24
6628	Hallway outside Room 22	0.26
6681	Cafeteria	0.19
6599	Hallway outside Room 29	0.31
6591	Hallway outside Room 36	0.26
6667	Nurse's Office	0.20
6623	Hallway by vending machine	0.38
6658	Inside Room 43	0.21
6590	Inside Room 18	0.26
6627	Outdoor Sample	0.40
-	Desorption Blank	None Detected



**Order ID: 281802389**

Attn: Jack Carney  
EHS Environmental, Inc.  
411 Southgate Court, Suite E  
Mickleton, NJ 08056

Customer ID: ENV192  
Customer PO:  
Date Received: 05/25/18

Project: 21214  
Report Date: 05/31/18

EMSL Order: 281802389  
EMSL Project ID:  
Date Analyzed: 05/31/18

**Test Report – Total Volatile Organic Compound Analysis (TVOC) as  
n-Hexane Analysis by GC/FID of 3M Diff. Samplers via modified NIOSH  
1500, Issue 3, 3/15/03**

Sample ID	Client Sample ID / Location	Compound	Sampling Time (min)	Reporting Limit (µg)	Reporting Limit (ppm)	Sample Amount (µg)	Sample Amount (ppm)
281802389-0001	VB6637	n-Hexane	1480	6.5	0.037	39	0.22
281802389-0002	VB6636	n-Hexane	1464	6.5	0.037	42	0.24
281802389-0003	VB6628	n-Hexane	1462	6.5	0.037	45	0.26
281802389-0004	VB6681	n-Hexane	1449	6.5	0.037	33	0.19
281802389-0005	VB6599	n-Hexane	1435	6.5	0.038	54	0.31
281802389-0006	VB6591	n-Hexane	1434	6.5	0.038	45	0.26
281802389-0007	VB6667	n-Hexane	1416	6.5	0.038	34	0.20
281802389-0008	VB6623	n-Hexane	1414	6.5	0.038	64	0.38

**Notes:**

1. Samples were received in acceptable condition unless otherwise noted.
2. These results relate only to the samples tested.
3. Sample results are blank corrected.
4. Discernable field blank(s) submitted with samples if listed above.
5. ND denotes not detected.

**AS**  
**Analyst**

**Scott VanEtten, CIH- Lab Manager**  
**Or other approved signatory**



**Order ID: 281802389**

Attn: Jack Carney  
EHS Environmental, Inc.  
411 Southgate Court, Suite E  
Mickleton, NJ 08056

Customer ID: ENVI92  
Customer PO:  
Date Received: 05/25/18

Project: 21214  
Report Date: 05/31/18

EMSL Order: 281802389  
EMSL Project ID:  
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**Test Report – Total Volatile Organic Compound Analysis (TVOC) as  
n-Hexane Analysis by GC/FID of 3M Diff. Samplers via modified NIOSH  
1500, Issue 3, 3/15/03**

Sample ID	Client Sample ID / Location	Compound	Sampling Time (min)	Reporting Limit (µg)	Reporting Limit (ppm)	Sample Amount (µg)	Sample Amount (ppm)
281802389-0009	VB6658	n-Hexane	1401	6.5	0.039	35	0.21
281802389-0010	VB6590	n-Hexane	1397	6.5	0.039	44	0.26
281802389-0011	VB6627	n-Hexane	1360	6.5	0.040	66	0.40
<b>Desorption Blank</b>		n-Hexane	0	6.5	NA	ND	ND

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