



**Date of Issue:** 08/29/2014 04:13:09

**DEP Bureau of Laboratories - Harrisburg**  
P.O. Box 1467  
2575 Interstate Drive  
Harrisburg, PA 17105-1467

**Contact Phone Number:** (717) 346-7200

**NELAP - accredited by**

**NJ DEP - Laboratory Number: PA059**  
**PA DEP LAP - DEP Lab ID: 22-00223**

**Analytical Report For**  
**Water Quality Protection**

**Sample ID:** 2199 294

**Date Collected:** 08/05/2014 03:20:00 PM

**Lab Sample ID:** O2014006829

**Status:** Completed

**Name of Sample Collector:** Paul A Jardel

**Date Received:**

**County:** Bucks

**State:**

**Municipality:** Solebury Twp

**Sample Medium:** Water

**Sample Medium Type:** Water

**Location:** NOT INDICATED

**Reason:** Investigation

**Project:** NOT INDICATED

**Suite:** VOAWW

**Matrix:** Water

**Field Tests**

Specific Conductance	276	umhos/cm
pH	7.06	pH units
Temperature	20.2	C

**Stream Condition:**

**Sample Lab Comment:** TICs: multiple substituted alkanes, cycloalkanes, benzenes

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Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
630206	1,1,1,2-Tetrachloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
71556	1,1,1-Trichloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
79345	1,1,2,2-Tetrachloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
79005	1,1,2-Trichloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75343	1,1-Dichloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75354	1,1-Dichloroethene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
563586	1,1-Dichloropropene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
87616	1,2,3-Trichlorobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
96184	1,2,3-Trichloropropane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
120821	1,2,4-Trichlorobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
95636	1,2,4-Trimethylbenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
96128	1,2-Dibromo-3-chloropropane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
106934	1,2-Dibromoethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
95501	1,2-Dichlorobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
107062	1,2-Dichloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
78875	1,2-Dichloropropane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108678	1,3,5-Trimethylbenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
541731	1,3-Dichlorobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
142289	1,3-Dichloropropane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
106467	1,4-Dichlorobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
594207	2,2-Dichloropropane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
591786	2-Hexanone	2.5 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
99876	4-Isopropyltoluene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
67641	Acetone	2.5 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
71432	Benzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108861	Bromobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75274	Bromodichloromethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75252	Bromoform	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
74839	Bromomethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75150	Carbon Disulfide	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
56235	Carbon Tetrachloride	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108907	Chlorobenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75003	Chloroethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75014	Chloroethene (vinyl chloride)	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
67663	Chloroform	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
74873	Chloromethane	0.62 UG/L	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624

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Test Codes / CAS # - Description		Reported Results	Date And Time Analyzed	Analyst	Test Method
156592	cis-1,2-Dichloroethene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
10061015	cis-1,3-Dichloropropene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
124481	Dibromochloromethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
74953	Dibromomethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75718	Dichlorodifluoromethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
100414	Ethylbenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
87683	Hexachlorobutadiene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
98828	Isopropylbenzene	8.6 UG/L	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108383	m/p-Xylene	1.0 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
78933	MEK	2.5 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
1634044	Methyl Tert-Butyl Ether	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75092	Methylene Chloride	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108101	MIBK	2.5 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
91203	Naphthalene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
104518	n-Butylbenzene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
103651	n-Propylbenzene	9.3 UG/L	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
95498	o-Chlorotoluene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
95476	o-Xylene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
106434	p-Chlorotoluene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
98566	PCTFB	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
135988	Sec-Butylbenzene	1.6 UG/L	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
100425	Styrene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75650	t-Butyl alcohol	18.1 UG/L	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
540885	tert-Butyl Acetate	2.5 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
98066	Tert-Butylbenzene	0.74 UG/L	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
127184	Tetrachloroethene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
109999	Tetrahydrofuran	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108883	Toluene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
156605	trans-1,2-Dichloroethene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
10061026	trans-1,3-Dichloropropene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
79016	Trichloroethene	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
75694	Trichlorofluoromethane	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624
108054	Vinyl Acetate	0.50 UG/L (U)	08/11/2014 02:00 AM	ANDSCHMIDT	EPA 624

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Status: Completed

The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2009 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.

\* denotes tests that the laboratory is not accredited for

\*\* Laboratory is accredited by NJ NELAP, parameter not offered by PA LAP

Taru Upadhyay, Technical Director, Bureau of Laboratories

ORGANICS LABORATORY QUALIFIERS

U - Indicates analysis was performed for the compound but it was not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantitation limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation columns for dual column analysis methods (e.g. pesticides, triazines, PCBs, etc)

Q - This flag identifies the average of multiple results from multiple analyses, or the average of the averages of dual column analysis methods.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.