



Date of Issue: 09/07/2023 04:28:25

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
Oil And Gas Mgmt

Sample ID: 9550 023

Date Collected: 08/07/2023 12:25:00 PM

Lab Sample ID: O2023001910

Status: Completed

Name of Sample Collector: Alicia M Furey

Date Received: 08/08/2023

County: Venango

State:

Municipality: Sugarcreek Boro

RENO

RENO PA.

Sample Medium: Ground Water

Sample Medium Type: Water

Location: Bellows Spring 1

Reason: Complaint

Project: NOT INDICATED

Suite: VOADW

Matrix: Water

Field Tests		
pH	6.5	pH units
Specific Conductance	345	mS/cm

Stream Condition:

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
630206 1,1,1,2-Tetrachloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
71556 1,1,1-Trichloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
79345 1,1,2,2-Tetrachloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
79005 1,1,2-Trichloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75343 1,1-Dichloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75354 1,1-Dichloroethene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
563586 1,1-Dichloropropene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
87616 1,2,3-Trichlorobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
96184 1,2,3-Trichloropropane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
120821 1,2,4-Trichlorobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
95636 1,2,4-Trimethylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
95501 1,2-Dichlorobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
107062 1,2-Dichloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
78875 1,2-Dichloropropane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108678 1,3,5-Trimethylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
541731 1,3-Dichlorobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
142289 1,3-Dichloropropane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
106467 1,4-Dichlorobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
594207 2,2-Dichloropropane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
78933 2-Butanone	2.50 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
591786 2-Hexanone	2.50 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
99876 4-Isopropyltoluene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108101 4-Methyl-2-pentanone	2.50 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
67641 Acetone	2.50 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
QC test(s) out of specification. Sample data not affected				
71432 Benzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108861 Bromobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
74975 Bromochloromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75274 Bromodichloromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75252 Bromoform	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
74839 Bromomethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75150 Carbon disulfide	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
56235 Carbon tetrachloride	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108907 Chlorobenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75003 Chloroethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3

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Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
75014 Chloroethene (vinyl chloride)	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
67663 Chloroform	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
74873 Chloromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
156592 cis-1,2-Dichloroethene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
10061015 cis-1,3-Dichloropropene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
124481 Dibromochloromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
74953 Dibromomethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75718 Dichlorodifluoromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75092 Dichloromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
100414 Ethylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
87683 Hexachlorobutadiene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
98828 Isopropylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108383 m/p-Xylenes	1.00 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
1634044 Methyl-tert-butyl Ether	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
91203 Naphthalene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
104518 n-Butylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
103651 n-Propylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
95498 o-Chlorotoluene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
95476 o-Xylene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
106434 p-Chlorotoluene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
98566 PCTFB	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
135988 Sec-Butylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
100425 Styrene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75650 t-Butyl alcohol	5.00 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
540885 tert-Butyl Acetate	2.50 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
98066 Tert-Butylbenzene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
127184 Tetrachloroethene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
109999 Tetrahydrofuran	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108883 Toluene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
1330207 Total Xylenes	0 ug/L	08/10/2023 02:00 AM	HRIDER	EPA 524.3
156605 trans-1,2-Dichloroethene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
10061026 trans-1,3-Dichloropropene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
79016 Trichloroethene	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
75694 Trichlorofluoromethane	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3
108054 Vinyl Acetate	0.500 ug/L (U)	08/10/2023 02:00 AM	HRIDER	EPA 524.3

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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 2016 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

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

Jennifer Fesler, Technical Director, Bureau of Laboratories

ORGANICS LABORATORY QUALIFIERS

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

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

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 40% 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.