



Environmental Health Laboratories
The Nation's Drinking Water Laboratory

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LABORATORY REPORT

Client: Lake Papakeeche Home Owners Association
Attn: Randy Girod
8652 East Koher Road South
Syracuse, IN 46567

Report#: 746583-85
Priority: Standard Written
Status: Final

Project/Site: Lake Papakeeche

Samples Submitted: Three surface water samples

Copies to: None

Collected: 06/11/02

By: Client

Received: 06/11/02

6/11/02

REPORT SUMMARY

General Chemistry: Oil and grease was not detected in the sample submitted for analysis.

Microbiology: Fecal coliform was detected in the sample submitted for analysis at a concentration of 2 cfu/100mL.

Semi-Volatile Organic Chemicals: None of the semi-volatile organic chemicals included in the detailed parameter list were detected in the sample submitted for analysis.

Detailed quantitative results are presented on the following pages.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call us at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from Environmental Health Laboratories (EHL). EHL is accredited by the National Environmental Laboratory Accreditation Program (NELAP). This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

REVIEWED BY: *Kate Dunlop*

DATE: 7/1/02

FINALIZED BY: *RTJ*

DATE: 7/1/2002

Client: Lake Papakeechee Home Owners Association

Report#: 746583-85

GENERAL CHEMISTRY —Surface Water

Site Description: Promontory Point / North Side

Lab#: 746583

Parameter	Method	MRL	Results
Oil & Grease, Total	EPA 1664	5.0	< 5.0 ppm

Note: Analysis was performed by Sherry Laboratories, Inc. , Ft. Wayne, IN.

Analyzed: 06/14/02

Analyst: Ref. Lab (Sherry)

FECAL COLIFORM—Surface Water

Site Description: Dist 2 & 3 Near Island

Lab#: 746585

Parameter	Method	Limit	Results (cfu/100mL)
Fecal Coliform	SM 9222-D	200	2

Analyzed: 06/11/02

Analyst: SS

The presence of fecal coliform is indicative of fecal contamination. Although most fecal coliform bacteria are not pathogenic (i.e. non-disease producing), they are often detected when pathogenic organisms are present. When fecal coliform is not detected, the probability that pathogenic organisms are present is very low.

SEMI-VOLATILE ORGANIC CHEMICALS—Surface Water

Site Description: South Inlet

Lab #: 746584

Parameter	Tradename	MCL (ug/L)	Result (ug/L)
Di(2-ethylhexyl)adipate		400	< 0.6
Di(2-ethylhexyl)phthalate		6	< 0.6
Benzo (a) pyrene		0.2	< 0.02
Alachlor	Lasso [®]	2	< 0.1
Aldrin	Aldrite [®]	NA	< 0.1
Atrazine	AAtrex [®]	3	< 0.1
Butachlor	Machete [®]	NA	< 0.1
Dieldrin	Panoram D-31 [®]	NA	< 0.1
Endrin	Hexadrin [®]	2	< 0.01
Heptachlor	Heptamul [®]	0.4	< 0.04
Heptachlor epoxide		0.2	< 0.02
Hexachlorobenzene	No Bunt [®]	0.2	< 0.1
Hexachlorocyclopentadiene		50	< 0.1
Gamma-BHC (Lindane)	Gammexane [®]	0.2	< 0.02
Methoxychlor	Marlate [®]	40	< 0.1
Metolachlor	Dual [®]	NA	< 0.1
Metribuzin	Lexone [®]	NA	< 0.1
Propachlor	Ramrod [®]	NA	< 0.1
Simazine	Princep [®]	4	< 0.07

NA = Not Applicable

Surrogate Standards	Limits (%)	% Recovery
		Undil
2,4,5,6-Tetrachloro-m-xylene	70-130	85
4,4'-Dichlorobiphenyl	70-130	97
Triphenylphosphate	70-130	96

Analyzed: 06/12/02

Analyst: JVF

Method: 525.2

REFERENCES AND DEFINITIONS OF TERMS

General Chemistry

- References: 1. EPA-600/4-79-020
Methods for Chemical Analysis of Water and Wastes
2. Standard Methods For the Examination of Water and Wastewater
Vol. 19, 1995

Fecal Coliform

- Analytical technique: Membrane Filtration
Reference: Standard Methods For Examination of Water and Wastewater
Vol. 19, 1995

Semi-Volatile Organic Chemical (SOC) Drinking Water Analysis

- Analytical Technique: Capillary Gas Chromatography - Mass Spectrometry (GC/MS)
Reference: EPA/600/4-88/039
Methods for the Determination of Organic Compounds in Drinking Water, December 1988 (rev. July 1991).

Semi-Volatile Organic Chemicals (SOCs) are chemicals used in the manufacture of a wide range of products. These include chemicals used in the production of wood preservatives, hydraulic and electrical transformer oils, plastics, tars, creosotes, and other types of pesticide formulations. SOC's are usually categorized into the following groups: Phenols, Pesticides, PCBs, Phthalates, Polynuclear Aromatics, and other miscellaneous chemicals commonly referred to as Base Neutrals. The presence of these chemicals in water usually results from exposure of the water to waste materials or soils containing these materials or from an accidental spill.

MCL (Maximum Contaminant Levels) are the maximum allowable concentrations of "regulated" chemicals in public drinking water supplies. Note that monitoring requirements for public supplies are not currently applicable to private water systems.

Results: Values presented in the result column represent the lowest reportable value for a parameter after correcting for all sample dilutions.

"<" means "less than". The number given is the lowest reportable value by the procedure used for analysis.

√ = If dilutions were required for quantitation of specific parameters, they are indicated by a (√) preceding the result.

1 ug/L = 1 microgram per liter = 1 part per billion (ppb)

1 mg/L = 1 milligram per liter = 1 part per million (ppm).

1 cfu = 1 Colony Forming Unit = a bacteria colony presumed to have originated from a single bacterium present in the sample.



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STEVE BUCKLEY

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CHAIN OF CUSTODY RECORD

PAGE OF

CLIENT/COMPANY ORDERING TEST		SAMPLER (Signature)		STATE (of Sample Origin)		PROJECT NAME		PO#		# OF CONTAINERS		MATRIX CODE			
<i>Lake Papakee chic</i>															
COMPLIANCE MONITORING?				SAMPLING SITE				TEST NAME				SAMPLE REMARKS			
EHL LAB#	DATE	COLLECTION TIME	YES	NO											
746583	6/11/02	8:20	X		PROMONTARY PT / NORTH SIDE				OIL & GREASE						
746584	6/11/02	8:00	X		SOUTH INLET				PESTICIDES						
746585	6/11/02	8:20	X		DIST 2 & 3 near island				FECAL COLIFORM						

FIELD COMMENTS: CARRIER AIRBILL NO COOLER NO. DATE SHIPPED

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT.					
LAB COMMENTS					
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
<i>Sandra K. Stark</i>	6/11/02	10:15 AM			
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED FOR LABORATORY USE	DATE	TIME
			<i>Sandra K. Stark</i>	6/11	8:15 AM

CONDITIONS UPON RECEIPT: Iced Ambient or °C Upon Receipt

MATRIX CODES:
 DW = DRINKING WATER
 GW = GROUNDWATER
 SW = SURFACE WATER
 PW = POOL WATER
 RW = REAGENT WATER
 WW = WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES
 IV* = IMMEDIATE (3 WORKING DAYS) VERBAL 100% STAT* = LESS THAN 48 HOURS Call
 IW* = IMMEDIATE (3 WORKING DAYS) WRITTEN 125% Samples received unannounced with less than 48 hours holding time remaining may be subject to additional surcharges.
 SP* = WEEKEND, HOLIDAY