



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

June 25, 2024

Heather Malone
Lake St. Louis Community Association
100 COGNAC COURT
LAKE ST LOUIS, MO 63367

RE: Lake St Louis Effluent

Dear Heather Malone:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **6/17/24 8:20 am** and logged in under work order **HF02981**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, reading 'Jon Robert Handshy'.

Jon Robert Handshy
Analyst
(314) 595-7337
Jon.Robert.Handshy@pacelabs.com

**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order HF02981

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
NO	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
YES	Case narrative provided



ANALYTICAL RESULTS

Sample: HF02981-01

Name: Effluent

Matrix: Waste Water - Grab

Sampled: 06/17/24 06:45

Received: 06/17/24 08:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - PIA									
Oil & Grease - total	< 5.1	mg/L		06/24/24 07:58	1.025746	5.1	06/24/24 12:19	JMD	EPA 1664A REV 1
General Chemistry - STL									
pH	6.98	pH Units	FP	06/18/24 12:20	1	2.00	06/18/24 12:20	AAG	SM 4500H B - SW 9040
Solids - settleable solids (SS)	<0.1	mL/L		06/18/24 12:41	1	0.11	06/18/24 13:46	BMP	SM 2540F 1997*
Solids - total suspended solids (TSS)	40	mg/L		06/21/24 16:44	1	4.0	06/21/24 16:44	NDM	SM 2540D
Temperature at pH measurement	20	°C		06/18/24 12:20	1		06/18/24 12:20	AAG	SM 4500 H B*
Total Metals - STL									
Phosphorus	0.132	mg/L		06/21/24 13:14	1	0.0556	06/24/24 10:32	DAS	EPA 200.7 REV 4.4



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt.

Certified by: Jon Robert Handshy, Analyst



SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
HF02981

Jeff 6/19/24

SENDING LABORATORY

PDC Laboratories, Inc.
944 Anglum Road
Hazelwood, MO 63042
(800) 333-3278

RECEIVING LABORATORY

Pace Analytical Services, LLC - Peoria
2231 W Altorfer Dr
Peoria, IL 61615
(309) 692-9688

Sample: HF02981-01
Name: Effluent

Sampled: 06/17/24 06:45
Matrix: Waste Water
Preservative: HCl, cool <6

Analysis	Due	Expires	Comments
O&G SPE	06/26/24 16:00	07/15/24 06:45	

IR Gun # 14 Correction Factor (Deg C) 0.0
Observed Temp (Deg C) 3.8 Corrected Temp (Deg C) 3.8
Delivery Method: FedEx UPS Walk-in USPS Other

Courier

Please email results to Jon Robert Handschy at Jon.Robert.Handschy@pacelabs.com

Date Shipped: _____ Total # of Containers: 1 Sample Origin (State): _____ PO #: _____
Turn-Around Time Requested ☐ NORMAL ☐ RUSH CJ Date Results Needed: _____

<i>Min. Int</i> Relinquished By	<i>6-17-24</i> Date/Time	<i>[Signature]</i> Received By	<i>6-18-24</i> Date/Time	Sample Temperature Upon Receipt _____ °C
				Sample(s) Received on Ice <u>Y</u> or N
				Proper Bottles Received in Good Condition <u>Y</u> or N
				Bottles Filled with Adequate Volume <u>Y</u> or N
				Samples Received Within Hold Time <u>Y</u> or N
				Date/Time Taken From Sample Bottle <u>Y</u> or N
<i>[Signature]</i> Relinquished By	<i>6-18-24</i> Date/Time	<i>Cathy Jones</i> Received By	<i>6/18/24</i> Date/Time	

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF MO

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES or IND/COMM

[illegible]