



September 22, 2022

Client: Perkins PWA

PO Box 9

Perkins, OK 74059

Requested By: Chad Beitz



National
Environmental
Laboratory
Accreditation
Program
ODEQ TNI Certified

Sample Project Name: Wastewater

Date Samples Received: September 13, 2022 Time: 13:52 sample temp upon arrival at lab = 14.90°C - On Ice

Matrix: Waste Water

Lab Log Numbers: **EI13088-01**

Work Order: EI13088

Report # EI13088-0922220928

EPA Lab ID#'s: **Stillwater OK00092 Tulsa OK00983 OKC OK00129 ICR OK 001**

Oklahoma Certification: Stillwater NELAP WasteWater, ODEQ 8316/ Drinking Water, DEQ D9602
NELAP Tulsa WasteWater, ODEQ 9905 / Drinking Water, DEQ D9901
Oklahoma City NELAP WasteWater ODEQ 7202 / Drinking Water, DEQ D9937

Kansas Certification: Stillwater NELAP CERT # E-10219

Method Reference: 40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update III. Standard Methods 1998 (20th Edition), Standard Methods 2005 (21st Edition) and Standard Methods 2011 (22nd Edition) for the Examination of Water and Wastewater.

Analysis Reference: If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and * = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAP. Any exceptions to this can be found in the report footer or Quality Control Section of the report.

This report is to only be replicated in its entirety.

Accurate Environmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Sample: WWTP Effluent

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 9/13/22 11:00

Lab Log# EI13088-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
BOD5 SM5210 B	Biochemical Oxygen Demand	47.7 mg/L	BOD-7	2.00	09/14/22 07:50 CPL	09/19/22 13:00 JGB
Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	8200 CFU/100ml	###	1.00	09/13/22 15:32 STO	09/14/22 13:42 KEI
Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	78.8 mg/L		48.1	09/16/22 13:45 RND	09/19/22 12:15 RND

Notes and Definitions

BOD-7 The BOD sample dilutions showed greater than 30% difference between the high and low values. This does not invalidate data reported.

BOD-4 The BOD batch blanks failed QC criteria. The blanks showed Oxygen depletion greater than 0.2mg/L.

MCL Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.

Analyte concentration may exceed regulatory limit.

PQL Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects

BPQL Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: 19 A 02 15 - BLK = 2019, Jan 2, Batch #15 - Blank)

Lab Manager



Quality Control Data

Blank Data


QC Lab #	Test Group	Test	Result	PQL	Flags
2211406-BLK1	BOD5 SM5210 B	Biochemical Oxygen Demand	BPQL mg/L	2.00	BOD-4
2211346-BLK1	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
2211346-BLK2	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
2211346-BLK3	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
2211346-BLK4	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
2211663-BLK1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	BPQL mg/L	2.50	

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
2211406-BS1	BOD5 SM5210 B	Biochemical Oxygen Demand	225	198.0	mg/L	114	84.6 - 115.4	
2211663-BS1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	285	250.0	mg/L	114	80 - 120	

* Complete Entire COC to be in Compliance*

RUSH Due Date _____

		Chain of Custody				Sample Preserv. & Container → ICE 125 mL Na ₂ S ₂ O ₅ 1000 mL n/a																
		Client Name- Perkins PWA		Project Name- Wastewater		Analysis Requested →																
Accurate Work Order #	Date Sample Taken	Time Sample Taken	Matrix or Source (Refer below)	Grab (G) or Comp (C)	Client I.D. / Sample Location or DEQ / EPA Location Code	Field Results (pH, Temp, Chlorine, ...) (note analysis & units)		# of Container ↓	E-Coli MF													
EI13088	9/13/22	1100	WW	G	WWTP Effluent			3	1	2												
-01																						
On-Site Info Raw Alkalinity (TOC Raw)= _____ mg/L Turbidity (E.Coli)= _____ ntu Matrix Codes DW = Drinking Water WW = Wastewater SL = Sludge O = Other _____ E.Coli Source- GWUDI-FS= Groundwater under direct influence of Flowing Stream GWUDI-RI= Groundwater under direct influence of Reservoir/Lake						Field Instrument Calibration - <table border="1"> <tr> <th>Meter Type</th> <th>Standards</th> <th>Final Read.</th> <th>Date, Time</th> <th>Initials</th> </tr> <tr> <td>HACH</td> <td>4-7-10</td> <td>7.05</td> <td>9/13/22</td> <td>ZI</td> </tr> </table>							Meter Type	Standards	Final Read.	Date, Time	Initials	HACH	4-7-10	7.05	9/13/22	ZI
Meter Type	Standards	Final Read.	Date, Time	Initials																		
HACH	4-7-10	7.05	9/13/22	ZI																		
Comments: _____ -- All samples are scheduled to be disposed of in 4 weeks of receipt at Accurate.--																						

Certification by Company Official: I hereby certify that the above sampling occurred during a period such that the sample(s) is/are representative of a typical operating day discharge for the above facility.				Signature: <i>Zachery Isca</i>		Date/Time: 9/13/22	
Sampled By: Zachery Isca <i>Zachery Isca</i>		Company: City of Perkins		Sample Method: Grab			
Relinquished By: Zachery Isca <i>Zachery Isca</i>		Date/Time: 9/13/22		Received By: Zachery Isca <i>Zachery Isca</i>		Date/Time: 9/13/22	
<input type="checkbox"/> Relinquished to Lab By: Zachery Isca <i>Zachery Isca</i>		Date/Time: 9/13/22 1352		Received at Lab By: <i>Melissa Henderson</i>		Rec'd °C: 14.9 Date/Time: 9/13/22 1352	

Reporting Requirements (standard 10-15 working days)		Compliance Reporting? (DMR, PWS,) Yes or No		Oklahoma PWS ID # OK2006012		RUSH Request (if available) _____ (Working Days)	
Mail Report: Chad Beitz City of Perkins Address: PO Box 9 Perkins, OK 74059 Phone #: 405-547-2445 Fax #: 405-547-5440 Email: cbeitz@cityofperkins.net zisca@cityofperkins.net citymanager@cityofperkins.net cityclerk@cityofperkins.net				Mail Invoice: Accounts Payable City of Perkins Bid # - _____ Address: Po Box 9 Perkins, OK 74059 PO # - _____ Phone #: 405-547-2445 Fax #: 405-547-5440			