



December 01, 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 Treatment Plant - Permit OK0028801

Date Samples Received: November 22, 2022 Time: 10:40 sample temp upon arrival at lab = 13.00°C - On Ice

Matrix: Waste Water

Lab Log Numbers: **EK22022-01**

Work Order: EK22022

Report # EK22022-1201220858

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: Effluent: WWTP

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 11/22/22 9:30

Lab Log# EK22022-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
BOD5 SM5210 B	Biochemical Oxygen Demand	148 mg/L		2.00	11/23/22 07:15 RMM	11/28/22 13:01 JGB
Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	20000 CFU/100ml	A-06, CONF ###	1.00	11/22/22 11:57 KEI	11/23/22 10:43 KEI
Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	173 mg/L		83.3	11/22/22 11:35 STO	11/23/22 09:00 STO

Notes and Definitions

CONF The sample showed Confluent bacteria growth.

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

A-08 The ending QC Blank check had bacteria growth. This appears to be carryover from the last sample in the batch with an extremely high bacteria count.

A-06 The actual value is higher than reported. The final result is our best estimate.

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
22K2320-BLK1	BOD5 SM5210 B	Biochemical Oxygen Demand	BPQL mg/L	2.00	BOD-4
22K2249-BLK1	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
22K2249-BLK2	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	30.0 CFU/100 ml	1.00	A-08
22K2249-BLK3	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
22K2249-BLK4	Ecoli. m-ColiBlue24 MF, Hach 10029	Escherichia Coliform	BPQL CFU/100 ml	1.00	
22K2243-BLK1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	BPQL mg/L	2.50	

Duplicate Sample Data


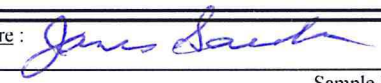
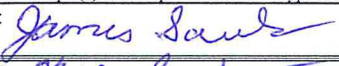

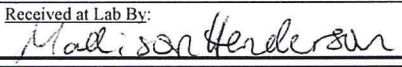
QC Lab #	Test Group	Test Name	Source	Dup Result	Samp Result	% RPD	RPD Limit	Flags
22K2243-DUP1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	EK22022-01	173	173	0	10	

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
22K2243-BS1	Total Suspended Solids SM2540D 22nd ed. 2011	Total Suspended Solids	255	250.0	mg/L	102	80 - 120	
22K2320-BS1	BOD5 SM5210 B	Biochemical Oxygen Demand	220	198.0	mg/L	111	84.6 - 115.4	

* Complete Entire COC to be in Compliance*

RUSH Due Date _____

		Chain of Custody					Sample Preserv. & Container →	1000 ml Plastic	125ml N ₂ S ₂ O ₃	- in # 11-22-22		
		Client Name-	City of Perkins - Public Works Authority					Analysis Requested →	TSS / BOD	E. Coli:		
Project Name-		Wastewater Treatment Plant - Permit # OK0028801					# of Container ↓					
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)						
EK22022						pH	Temp C°		X2	x	K	
-01	11-22-22	9:30AM	WW	G	Effluent: WWTP							
On-Site Info		Raw Alkalinity (TOC Raw)= _____ mg/L		Turbidity (E.Coli)= _____ ntu		Field Instrument Calibration -						
<u>Matrix Codes</u>		DW = Drinkingwater; WW = Wastewater; SL = Sludge; O = Other				Meter Type	Standards	Final Read.	Date, Time	Initials		
<u>E.Coli Source-</u>		FS = Flowing Stream; RL = Reservoir Lake; GWUDI = Groundwater under direct influence of surface water					4-7-10					
Comments		Samples Delivered On Ice. Sample = Single Composite										
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: 			Date/Time: 10:00 AM 11-22-22			
Sampled By: 		Company: City of Perkins				Sample Method: Grab						
Relinquished By: 			Date/Time: 11-22-22 10:40		Received By:			Date/Time:				
<input type="checkbox"/> Relinquished to Lab By: <input type="checkbox"/> Relq'd to Log-In Fridge By:			Date/Time:		Received at Lab By: 			Rec'd °C	13.0	Date/Time: 11-22-22 1040		
Reporting Requirements (standard 10-15 working days)		Compliance Reporting?		No		Oklahoma PWS ID #		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 jsauls@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						
www.accuratelabs.com (800) 516-5227		505 South Lowry Street Stillwater, OK 74074		Phone: (405) 372-5300 Fax: (405) 372-5396		6558 E. 40 th Street Tulsa, OK 74145		Phone: (918) 663-5400 Fax: (918) 663-6300		12036 N. Pennsylvania Oklahoma City, OK 73120		Phone: (405) 751-3132 Fax: (405) 751-3108