

Project Title: Imperial Kehl

Location Code: IMPRGR51

Location Coordinates: N26.343744, W-81.777744

Location Description: Leitner Creek @ Goodwin; downstream side

Sample Collection Time: 8:30

Lab ID# AE87608

Sample Collectors: Sierra Strickland & Brooke Hamill

Date: 5/26/2021

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE87608
@NP	1	1L	PE	N/A	AE87608
@NPFIL	1	250mL	PE	N/A	AE87608
@H2SO4	1	250mL	PE	No	AE87608
@HNO3	1	250mL	PE	No*	AE87608
@TOC	1	40mL	CG	Yes***	AE87608
@BACT	1	100mL	PP	Yes**	AE87608

3	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)	SAMP = Regular Sample	PP = Polypropylene
Field Parameters	24.50	6088	18.90	1.54	7.04	0.100	10.28	0.4	0.8	FB = Field Blank	PE = Polyethylene
Qualifiers						U				FCEB = Field Cleaned	CG = Clear Glass
										Equipment Blank	G = Grab
										SWF = Surface Water Fresh	GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

9 Flow MDL

9 Flow Qualifier:

U

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger/Sonde # J

Calibrated: 5/26/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter # 1C

Distance Measuring Tool ID# Red

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R9CA01881 Exp Date: 6/9/2050

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

- ☒ DFTOSTWS taken from middle of bridge
- ☒ Samples submerged in ice within 15min.
- ☒ Samples preserved with Sulfuric Acid acidified in field within 15min.
- ☒ Filtered sample filtered on site
- ☒ Equipment & Bottles cleaned according to DEP FC1000 and LCEL Field Sampling Quality Manual
- ☒ Velocity not detectable and/or is lower than MDL
- ☐ Acidified samples pH verified in field (quarterly)
Quarterly Months: January, April, July, October
- ☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3119020	5/21/2022
HNO ₃ *	1119120	1/7/2022
Na ₂ S ₂ O ₃	200221	12/31/2049
TOC H ₂ SO ₄	251220000	3/17/2022

MISC:

Signature of Sample Collector(s):

Brooke Hamill

Sierra Strickland