Tuesday, July 05, 2022

Randy Evans
Randy Evans
328 South Overland Tr.
Fort Collins, CO 80521

Re: ALS Workorder: 2206586
Project Name: WPWT Facility
Project Number:

Dear Mr. Evans:

One water sample was received from Randy Evans, on 6/24/2022. The sample was scheduled for the following analyses:

Inorganics
Metals

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Katie M. OBrien
Project Manager

Accreditations: ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
Arizona	AZ0828
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
Oklahoma	1301
Louisiana	197538
Maryland (MD)	285
PJLA (DoD ELAP/ISO 170250)	95377
PJLA (DOE-AP/ISO 17025)	95377
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280
Virginia	460305

40 CFR Part 136: All analyses for Clean Water Act samples are analyzed using the 40 CFR Part 136 specified method and include all the QC requirements.

2206586

Metals:
The sample was analyzed following SW-846, 3rd Edition procedures. Analysis by Trace ICP followed method 6010D and the current revision of SOP 834.

All acceptance criteria were met.

Inorganics:
The sample was analyzed following EMSL and Standard Method procedures for the current revisions of the following SOPs and methods:

Analyte	Method	SOP #
TDS	SM2540C	1101
Chloride	300.0 Revision 2.1	1113
Fluoride	300.0 Revision 2.1	1113
Sulfate	300.0 Revision 2.1	1113

All acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2206586
Client Name: Randy Evans
Client Project Name: WPWT Facility
Client Project Number:
Client PO Number: WO 032

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Outfall 050B	2206586-1		WATER	23-Jun-22	17:00

ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody # 2206586

Form 202r8

WORKORDER #	2206241
PAGE	1 of 1
DISPOSAL	By Lab or Return to Client

PROJECT NAME	WPWT Facility	SAMPLER	Randy Evans
PROJECT No.		SITE ID	EDD ID #: 281818
		EDD FORMAT	YES
		PURCHASE ORDER	WO # 032
COMPANY NAME	Wellington Operating Company	BILL TO COMPANY	Wellington Operating Company
SEND REPORT TO	Randy Evans	INVOICE ATTN TO	Eric Barslow
ADDRESS	1590 East County Road 70	ADDRESS	6142 Campbell Road
CITY / STATE / ZIP	Wellington, CO 80549	CITY / STATE / ZIP	Dallas, TX 75248
PHONE	970-402-0418	PHONE	214-420-3000
FAX	214-420-3001	FAX	214-420-3001
E-MAIL	rgrevans477@gmail.com	E-MAIL	AP@Wellingtonoperating.com

DATE
TURNAROUND

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Sodium, Boron, Barium,	TDS, Chloride, Sulfate	Fluoride
/	Outfall 050B; EDD Facility ID 767706	W	06/23/22	17:00	2	2 & 8		X	X	X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

EDD Facility ID Number is listed in Field ID for Reference

Do not use Facility Number as part of the Field ID

5 of 11

4,8

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY		Randy Evans	6/24/22	0940
RECEIVED BY		Chris Reeves	6/24/22	0940
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: Randy Evans Workorder No: 2206586

Project Manager: KMO Initials: CXT Date: 6-24-2022

	N/A	YES	NO
1. Are airbills / shipping documents present and/or removable?	X		
Tracking number:			
2. Are custody seals on shipping containers intact?	X		
3. Are custody seals on sample containers intact?	X		
4. Is there a COC (chain-of-custody) present?		X	
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)		X	
6. Are short-hold samples present?			X
7. Are all samples within holding times for the requested analyses?		X	
8. Were all sample containers received intact? (not broken or leaking)		X	
9. Is there sufficient sample for the requested analyses?		X	
10. Are samples in proper containers for requested analyses? (form 250, *Sample Handling Guidelines*)		X	
11. Are all aqueous samples preserved correctly, if required? (excluding volatiles)		X	
12. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm (1/4 inch) diameter? (i.e. size of green pea)	X		
13. Were the samples shipped on ice?		X	
14. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #6	RAD ONLY	X	

Cooler #:	1						
Temperature (°C):	4.8						
# of custody seals on cooler:	0						
External µR/hr reading:	NA						
Background µR/hr reading:	11						

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? NA (If no, see Form 008.)

* Please provide details here for NO responses to boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

Were unpreserved bottles pH checked? NA All client bottle ID's vs ALS lab ID's double-checked by: CT

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: Margaret G. O'Brien 6/27/22

Form 201r29.xls
(10/15/2019)

*IR Gun #3, VWR SN 170647571
*IR Gun #5, VWR SN 192272629

Client: Randy Evans **Date:** *05-Jul-22*
Project: WPWT Facility **Work Order:** 2206586
Sample ID: Outfall 050B **Lab ID:** 2206586-1
Legal Location: **Matrix:** WATER
Collection Date: 6/23/2022 17:00 **Percent Moisture:**

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals		**SW6010**			Prep Date: **6/29/2022**	PrepBy:**ETC**
BORON	**0.42**		**0.1**	**MG/L**	1	6/30/2022 14:01
BARIUM	**0.28**		**0.1**	**MG/L**	1	6/30/2022 14:01
SODIUM	**190**		**1**	**MG/L**	1	6/30/2022 14:01
Ion Chromatography		**EPA300.0**			Prep Date: **6/28/2022**	PrepBy:**AOW**
CHLORIDE	**39**		**5**	**MG/L**	25	6/28/2022 15:12
FLUORIDE	ND		6.4	MG/L	25	6/28/2022 15:12
SULFATE	**660**		**25**	**MG/L**	25	6/28/2022 15:12
Total Dissolved Solids		**SM2540C**			Prep Date: **6/29/2022**	PrepBy:**KRL**
TOTAL DISSOLVED SOLIDS	**1300**		**40**	**MG/L**	1	6/30/2022

Client:	Randy Evans	**Date:**	*05-Jul-22*
Project:	WPWT Facility	**Work Order:**	2206586
Sample ID:	Outfall 050B	**Lab ID:**	2206586-1
Legal Location:		**Matrix:**	WATER
Collection Date:	6/23/2022 17:00	**Percent Moisture:**	

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits.

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
G - Sample density differs by more than 15% of LCS density.
D - DER is greater than Control Limit

M - Requested MDC not met.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.

E - Analyte concentration exceeds the upper level of the calibration range.

J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).

A - A tentatively identified compound is a suspected aldol-condensation product.

X - The analyte was diluted below an accurate quantitation level.

* - The spike recovery is equal to or outside the control criteria used.

+ - The relative percent difference (RPD) equals or exceeds the control criteria.

G - A pattern resembling gasoline was detected in this sample.

D - A pattern resembling diesel was detected in this sample.

M - A pattern resembling motor oil was detected in this sample.

C - A pattern resembling crude oil was detected in this sample.

4 - A pattern resembling JP-4 was detected in this sample.

5 - A pattern resembling JP-5 was detected in this sample.

H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.

L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.

Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8
- diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

Batch ID: **IP220629-5-4** Instrument ID: **ICP5900** Method: **SW6010**

LCS Sample ID: **IP220629-5** Units: **MG/L** Analysis Date: **6/30/2022 13:46**

Client ID: Run ID: **IT220630-1A2** Prep Date: **6/29/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
BARIUM	0.999	0.1	1		100	80-120				20	
BORON	1.02	0.1	1		102	80-120				20	
SODIUM	40.8	1	40		102	80-120				20	

LCSD Sample ID: **IP220629-5** Units: **MG/L** Analysis Date: **6/30/2022 13:47**

Client ID: Run ID: **IT220630-1A2** Prep Date: **6/29/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
BARIUM	0.996	0.1	1		100	80-120		0.999	0	20	
BORON	1.02	0.1	1		102	80-120		1.02	0	20	
SODIUM	40.3	1	40		101	80-120		40.8	1	20	

MB Sample ID: **IP220629-5** Units: **MG/L** Analysis Date: **6/30/2022 13:44**

Client ID: Run ID: **IT220630-1A2** Prep Date: **6/29/2022** DF: **1**

Analyte	Result	ReportLimit	Qual
BARIUM	ND	0.1	
BORON	ND	0.1	
SODIUM	ND	1	

The following samples were analyzed in this batch: 2206586-1

Client: Randy Evans
Work Order: 2206586
Project: WPWT Facility

QC BATCH REPORT

Batch ID: **IC220628-1-1** Instrument ID: **IC3** Method: **EPA300.0**

LCS Sample ID: **IC220628-1** Units: **MG/L** Analysis Date: **6/28/2022 13:05**
Client ID: Run ID: **IC220628-1A1** Prep Date: **6/28/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	5	0.258	5		100	90-110				15	
CHLORIDE	9.94	0.2	10		99	90-110				15	
SULFATE	49.6	1	50		99	90-110				15	

LCSD Sample ID: **IC220628-1** Units: **MG/L** Analysis Date: **6/28/2022 14:18**
Client ID: Run ID: **IC220628-1A1** Prep Date: **6/28/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	4.98	0.258	5		100	90-110		5	0	15	
CHLORIDE	9.93	0.2	10		99	90-110		9.94	0	15	
SULFATE	49.8	1	50		100	90-110		49.6	0	15	

MB Sample ID: **IC220628-1** Units: **MG/L** Analysis Date: **6/28/2022 13:11**
Client ID: Run ID: **IC220628-1A1** Prep Date: **6/28/2022** DF: **1**

Analyte	Result	ReportLimit	Qual
FLUORIDE	ND	0.26	
CHLORIDE	ND	0.2	
SULFATE	ND	1	

MS Sample ID: **2206504-1** Units: **UG/L** Analysis Date: **6/28/2022 14:42**
Client ID: **RO Permeate** Run ID: **IC220628-1A1** Prep Date: **6/28/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	2160	258	2000	260	108	85-115				15	
CHLORIDE	5.26	0.2	5	0.2	105	85-115				15	
SULFATE	20.5	1	20	1	102	85-115				15	

The following samples were analyzed in this batch: 2206586-1

Client: Randy Evans
Work Order: 2206586
Project: WPWT Facility

QC BATCH REPORT

Batch ID: **TD220629-1-1** Instrument ID: **Balance** Method: **SM2540C**

LCS Sample ID: **TD220629-1** Units: **MG/L** Analysis Date: **6/30/2022**
Client ID: Run ID: **TD220630-1A1** Prep Date: **6/29/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	398	20	400		99	85-115				14	

LCSD Sample ID: **TD220629-1** Units: **MG/L** Analysis Date: **6/30/2022**
Client ID: Run ID: **TD220630-1A1** Prep Date: **6/29/2022** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	405	20	400		101	85-115		398	2	14	

MB Sample ID: **TD220629-1** Units: **MG/L** Analysis Date: **6/30/2022**
Client ID: Run ID: **TD220630-1A1** Prep Date: **6/29/2022** DF: **1**

Analyte	Result	ReportLimit	Qual
TOTAL DISSOLVED SOLIDS	ND	20	

The following samples were analyzed in this batch: 2206586-1