



Wednesday, December 29, 2021

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

Re: ALS Workorder: 2112416
Project Name: WPWT Facility
Project Number:

Dear Mr. Evans:

Five water samples were received from Randy Evans, on 12/20/2021. The samples were scheduled for the following analysis:

Inorganics

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. O'Brien
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
PJLA (DoD ELAP/ISO 170250)	95377
PJLA (DOE-AP/ISO 17025)	95377
Maryland (MD)	285
Missouri (MO)	175
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.



2112416

Metals:

The samples were 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 samples were analyzed following EMSL and Standard Method procedures for the current revisions of the following SOPs and methods:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
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: 2112416

Client Name: Randy Evans

Client Project Name: WPWT Facility

Client Project Number:

Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Outfall 050A	2112416-1		WATER	19-Dec-21	10:00
Outfall 050B	2112416-2		WATER	19-Dec-21	11:00
Outfall 050C	2112416-3		WATER	19-Dec-21	12:00
Outfall 050D	2112416-4		WATER	19-Dec-21	13:00
Outfall 050E	2112416-5		WATER	19-Dec-21	14:00



ALS Environmental

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

2112416

Chain-of-Custody

Turnaround time for samples received after 2 p.m. will be calculated beginning from the next business day.
Turnaround time for samples received Saturday will be calculated beginning from the next business day.

ALS WORKORDER #

PROJECT NAME	W PINT FACILITY		TURNAROUND TIME	SAMPLER		RAWOY EVANS		PAGE	1 of 1									
PROJECT No.			SITE ID	EDD ID#		281818		DISPOSAL	BY LAB or RETURN									
COMPANY NAME	WELLINGTON OPERATING Co.		PURCHASE ORDER	W.O. #		DIY		PARAMETER/METHOD REQUEST FOR ANALYSIS										
SEND REPORT TO	RAWOY EVANS		BILL TO COMPANY	WELLINGTON OPERATING Co.				SODIUM										
ADDRESS	1590 EAST COUNTRY RD. 70		INVOICE ATTN TO	ERIC BARSLOW				TDS, CHLORIDE, SULFATE										
CITY / STATE / ZIP	WELLINGTON, Co. 80519		ADDRESS	6142 CAMPBELL ROAD				FLUORIDE										
PHONE	970-402-0418		CITY / STATE / ZIP	DALLAS, TX 75248														
FAX	214-420-3001		PHONE	214-420-3000														
E-MAIL	rgrevens477@gmail.com		FAX	214-420-3001														
			E-MAIL	APR.Wellington.OPERATING.Co@														
LAB ID	FIELD ID	MATRX	SAMPLE DATE	SAMPLE TIME	# OF BOTTLES	PRESERVATIVE	QC	A	B	C	D	E	F	G	H	I	J	SEE NOTES SECTION
1	OUTFAU 050A; FID; 767702	GW	12/19/21	10:00	2	2/7		X	X									
2	OUTFAU 050B; FID; 767706	GW		11:00	2	2/7		X	X	X								
3	OUTFAU 050C; FID; 767703	GW		12:00	2	2/7		X	X									
4	OUTFAU 050D; FID; 767704	GW		13:00	2	2/7		X	X									
5	OUTFAU 050E; FID; 767705	GW		14:00	2	2/7		X	X									

Form 2029

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

PRINTED NAME: Rawoy Evans

DATE: 12/20/2021

TIME: 16:45

PRINTED NAME: Amy Kepner

DATE: 12/20/21

TIME: 10:50

REPORT LEVEL / QC REQUIRED

Summary (Standard QC)

LEVEL II (Standard QC)

LEVEL III (Std QC + forms)

LEVEL IV (Std QC + forms + raw)

3.6

5 of 15

PRESERVATION KEY: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaOH/ZnAcetate 6-NaHSO4 7-4°C 8-Other

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



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: RANDY EVANS Workorder No: 2112416
 Project Manager: KMO Initials: AXK Date: 12/21/2021

		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, <i>Sample Handling Guidelines</i>)		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*: #5			
		RAD ONLY	X	
Cooler #: <u>1</u> Temperature (°C): <u>3.6</u> # of custody seals on cooler: <u>0</u> External µR/hr reading: <u>-</u> Background µR/hr reading: <u>11</u> Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <u>NA</u> (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 AK

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

Project Manager Signature / Date: [Signature] 12/21/21

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050A
Legal Location:
Collection Date: 12/19/2021 10:00

Date: 29-Dec-21
Work Order: 2112416
Lab ID: 2112416-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 12/22/2021	PrepBy: ETC
SODIUM	53			1 MG/L	1	12/23/2021 15:20
Ion Chromatography			EPA300.0		Prep Date: 12/22/2021	PrepBy: AOW
CHLORIDE	23			2 MG/L	10	12/22/2021 09:44
SULFATE	900			10 MG/L	10	12/22/2021 09:44
Total Dissolved Solids			SM2540C		Prep Date: 12/22/2021	PrepBy: KRL
TOTAL DISSOLVED SOLIDS	1400			40 MG/L	1	12/23/2021

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050B
Legal Location:
Collection Date: 12/19/2021 11:00

Date: 29-Dec-21
Work Order: 2112416
Lab ID: 2112416-2
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 12/22/2021	PrepBy: ETC
SODIUM	250		10	MG/L	10	12/23/2021 15:05
Ion Chromatography			EPA300.0		Prep Date: 12/22/2021	PrepBy: AOW
CHLORIDE	290		4	MG/L	20	12/22/2021 10:45
FLUORIDE	0.92		0.1	MG/L	1	12/22/2021 09:50
SULFATE	190		10	MG/L	10	12/22/2021 09:56
Total Dissolved Solids			SM2540C		Prep Date: 12/22/2021	PrepBy: KRL
TOTAL DISSOLVED SOLIDS	1400		40	MG/L	1	12/23/2021

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050C
Legal Location:
Collection Date: 12/19/2021 12:00

Date: 29-Dec-21
Work Order: 2112416
Lab ID: 2112416-3
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010			
SODIUM	56			1 MG/L	1	12/23/2021 15:21
Prep Date:					12/22/2021	PrepBy: ETC
Ion Chromatography			EPA300.0			
CHLORIDE	34			2 MG/L	10	12/22/2021 10:03
SULFATE	570			10 MG/L	10	12/22/2021 10:03
Prep Date:					12/22/2021	PrepBy: AOW
Total Dissolved Solids			SM2540C			
TOTAL DISSOLVED SOLIDS	1000			40 MG/L	1	12/23/2021
Prep Date:					12/22/2021	PrepBy: KRL

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050D
Legal Location:
Collection Date: 12/19/2021 13:00

Date: 29-Dec-21
Work Order: 2112416
Lab ID: 2112416-4
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 12/22/2021	PrepBy: ETC
SODIUM	39			1 MG/L	1	12/23/2021 15:22
Ion Chromatography			EPA300.0		Prep Date: 12/22/2021	PrepBy: AOW
CHLORIDE	14			2 MG/L	10	12/22/2021 10:09
SULFATE	720			10 MG/L	10	12/22/2021 10:09
Total Dissolved Solids			SM2540C		Prep Date: 12/22/2021	PrepBy: KRL
TOTAL DISSOLVED SOLIDS	1200			40 MG/L	1	12/23/2021

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050E
Legal Location:
Collection Date: 12/19/2021 14:00

Date: 29-Dec-21
Work Order: 2112416
Lab ID: 2112416-5
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 12/22/2021	PrepBy: ETC
SODIUM	35			1 MG/L	1	12/23/2021 15:23
Ion Chromatography			EPA300.0		Prep Date: 12/22/2021	PrepBy: AOW
CHLORIDE	20			2 MG/L	10	12/22/2021 10:15
SULFATE	400			10 MG/L	10	12/22/2021 10:15
Total Dissolved Solids			SM2540C		Prep Date: 12/22/2021	PrepBy: KRL
TOTAL DISSOLVED SOLIDS	790			20 MG/L	1	12/23/2021

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050E
Legal Location:
Collection Date: 12/19/2021 14:00

Date: 29-Dec-21
Work Order: 2112416
Lab ID: 2112416-5
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
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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

ALS -- Fort Collins

Date: 12/29/2021 1:31

Client: Randy Evans
 Work Order: 2112416
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: **IP211222-6-4** Instrument ID **ICPTrace2** Method: **SW6010**

LCS	Sample ID: IP211222-6						Units: MG/L	Analysis Date: 12/23/2021 14:51				
Client ID:	Run ID: IT211223-1A11					Prep Date: 12/22/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
SODIUM	40	1	40		100	80-120				20		

LCSD	Sample ID: IP211222-6						Units: MG/L	Analysis Date: 12/23/2021 14:52				
Client ID:	Run ID: IT211223-1A11					Prep Date: 12/22/2021			DF: 1			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual	
SODIUM	40.7	1	40		102	80-120		40	2	20		

MB	Sample ID: IP211222-6						Units: MG/L	Analysis Date: 12/23/2021 14:50				
Client ID:	Run ID: IT211223-1A11					Prep Date: 12/22/2021			DF: 1			
Analyte	Result	ReportLimit									Qual	
SODIUM	ND	1										

The following samples were analyzed in this batch:	2112416-1	2112416-2	2112416-3
	2112416-4	2112416-5	

Client: Randy Evans
 Work Order: 2112416
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: IC211222-1-1 Instrument ID IC3 Method: EPA300.0

LCS		Sample ID: IC211222-1			Units: MG/L		Analysis Date: 12/22/2021 12:37				
Client ID:		Run ID: IC211222-1A1			Prep Date: 12/22/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
FLUORIDE	5.42	0.1	5		108	90-110				15	
CHLORIDE	11	0.2	10		110	90-110				15	
SULFATE	54.9	1	50		110	90-110				15	

LCSD		Sample ID: IC211222-1			Units: MG/L		Analysis Date: 12/22/2021 13:01				
Client ID:		Run ID: IC211222-1A1			Prep Date: 12/22/2021		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
FLUORIDE	5.45	0.1	5		109	90-110		5.42	1	15	
CHLORIDE	11	0.2	10		110	90-110		11	0	15	
SULFATE	53.9	1	50		108	90-110		54.9	2	15	

MB		Sample ID: IC211222-1			Units: MG/L		Analysis Date: 12/22/2021 09:26					
Client ID:		Run ID: IC211222-1A1			Prep Date: 12/22/2021		DF: 1					
Analyte	Result	ReportLimit										Qual
FLUORIDE	ND	0.1										
CHLORIDE	ND	0.2										
SULFATE	ND	1										

The following samples were analyzed in this batch:

2112416-1	2112416-2	2112416-3
2112416-4	2112416-5	

Client: Randy Evans
 Work Order: 2112416
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: TD211222-1-1 Instrument ID Balance Method: SM2540C

DUP Sample ID: 2112416-1 Units: **MG/L** Analysis Date: 12/23/2021
 Client ID: **Outfall 050A** Run ID: **TD211223-1A1** Prep Date: 12/22/2021 DF: 1

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	1340	40						1400	1	14	

LCS Sample ID: TD211222-1 Units: **MG/L** Analysis Date: 12/23/2021
 Client ID: Run ID: **TD211223-1A1** Prep Date: 12/22/2021 DF: 1

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	376	20	400		94	85-115				14	

LCS D Sample ID: TD211222-1 Units: **MG/L** Analysis Date: 12/23/2021
 Client ID: Run ID: **TD211223-1A1** Prep Date: 12/22/2021 DF: 1

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
TOTAL DISSOLVED SOLIDS	355	20	400		89	85-115		376	6	14	

MB Sample ID: TD211222-1 Units: **MG/L** Analysis Date: 12/23/2021
 Client ID: Run ID: **TD211223-1A1** Prep Date: 12/22/2021 DF: 1

Analyte	Result	ReportLimit										Qual
TOTAL DISSOLVED SOLIDS	ND	20										

The following samples were analyzed in this batch:

2112416-1	2112416-2	2112416-3
2112416-4	2112416-5	