



Friday, August 12, 2022

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

Re: ALS Workorder: 2207167
Project Name: WPWT Facility
Project Number:

Dear Mr. Evans:

Five water samples were received from Randy Evans, on 7/11/2022. The samples were scheduled for the following analyses:

- GC/MS Volatiles
- Inorganics
- Metals
- Radium-226
- Radium-228

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,

 For

ALS Environmental
Katie M. OBrien
Project Manager

	<h1>Accreditations</h1>	Effective June 7, 2022
	ALS Environmental – Fort Collins	

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.



2207167

GC/MS Volatiles:

The sample was analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

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.

Radium-228:

The sample was analyzed for the presence of ²²⁸Ra by low background gas flow proportional counting of ²²⁸Ac, which is the ingrown progeny of ²²⁸Ra, according to the current revision of SOP 724.

All acceptance criteria were met.

Radium-226:

The sample was prepared and analyzed according to the current revision of SOP 783.

All acceptance criteria were met.

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Sample Number(s) Cross-Reference Table

OrderNum: 2207167

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 050A	2207167-1		WATER	10-Jul-22	9:00
Outfall 050B	2207167-2		WATER	10-Jul-22	10:00
Outfall 050C	2207167-3		WATER	10-Jul-22	11:00
Outfall 050D	2207167-4		WATER	10-Jul-22	12:00
Outfall 050E	2207167-5		WATER	10-Jul-22	13:00



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CONDITION OF SAMPLE UPON RECEIPT FORM

Client: RANDY EVANS Workorder No: 2207167
 Project Manager: KMO Initials: KC Date: 7/11/22

		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*: #6	RAD ONLY	X
Cooler #: <u>1</u>				
Temperature (°C): <u>0.3</u>				
# of custody seals on cooler: <u>0</u>				
External µR/hr reading: <u>NA</u>				
Background µR/hr reading: <u>11</u>				
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES				

* 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: KC

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

Project Manager Signature / Date: Margaret G. Brown 7/11/22

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050A
Legal Location:
Collection Date: 7/10/2022 09:00

Date: 12-Aug-22
Work Order: 2207167
Lab ID: 2207167-1
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 7/29/2022	PrepBy: ETC
BORON	0.2		0.1	MG/L	1	8/2/2022 14:38
BARIUM	ND		0.1	MG/L	1	8/2/2022 14:38
SODIUM	51		1	MG/L	1	8/2/2022 14:38
Ion Chromatography			EPA300.0		Prep Date: 7/15/2022	PrepBy: AOW
CHLORIDE	16		5	MG/L	25	7/15/2022 14:11
FLUORIDE	ND		6.4	MG/L	25	7/15/2022 14:11
SULFATE	760		25	MG/L	25	7/15/2022 14:11
Total Dissolved Solids			SM2540C		Prep Date: 7/13/2022	PrepBy: AOW
TOTAL DISSOLVED SOLIDS	1400		40	MG/L	1	7/15/2022

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SAMPLE SUMMARY REPORT

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050B
Legal Location:
Collection Date: 7/10/2022 10:00

Date: 12-Aug-22
Work Order: 2207167
Lab ID: 2207167-2
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
GC/MS Volatiles			SW8260_25		Prep Date: 7/15/2022	PrepBy: TWK
BENZENE	ND		1	UG/L	1	7/15/2022 19:31
TOLUENE	ND		1	UG/L	1	7/15/2022 19:31
ETHYLBENZENE	ND		1	UG/L	1	7/15/2022 19:31
M+P-XYLENE	ND		1	UG/L	1	7/15/2022 19:31
O-XYLENE	ND		1	UG/L	1	7/15/2022 19:31
1,3,5-TRIMETHYLBENZENE	ND		1	UG/L	1	7/15/2022 19:31
1,2,4-TRIMETHYLBENZENE	ND		1	UG/L	1	7/15/2022 19:31
NAPHTHALENE	ND		1	UG/L	1	7/15/2022 19:31
Surr: DIBROMOFLUOROMETHANE	96		80-120	%REC	1	7/15/2022 19:31
Surr: TOLUENE-D8	101		80-120	%REC	1	7/15/2022 19:31
Surr: 4-BROMOFLUOROBENZENE	105		80-120	%REC	1	7/15/2022 19:31
Total Recoverable ICP Metals			SW6010		Prep Date: 7/29/2022	PrepBy: ETC
BORON	0.42		0.1	MG/L	1	8/2/2022 14:39
BARIUM	0.41		0.1	MG/L	1	8/2/2022 14:39
SODIUM	180		1	MG/L	1	8/2/2022 14:39
Ion Chromatography			EPA300.0		Prep Date: 7/15/2022	PrepBy: AOW
CHLORIDE	39		5	MG/L	25	7/15/2022 14:17
FLUORIDE	ND		6.4	MG/L	25	7/15/2022 14:17
SULFATE	650		25	MG/L	25	7/15/2022 14:17
Radium-226 by Radon Emanation - Method 903.1			SOP 783		Prep Date: 8/1/2022	PrepBy: EJE
Ra-226	0.33 (+/- 0.18)		0.14	pCi/l	NA	8/10/2022 12:17
Carr: BARIUM	95.3		40-110	%REC	DL = NA	8/10/2022 12:17
Radium-228 Analysis by GFPC			SOP 724		Prep Date: 8/2/2022	PrepBy: MMS
Ra-228	1.45 (+/- 0.54)		0.79	pCi/l	NA	8/5/2022 11:22
Carr: BARIUM	95.7		40-110	%REC	DL = NA	8/5/2022 11:22
Total Dissolved Solids			SM2540C		Prep Date: 7/13/2022	PrepBy: AOW
TOTAL DISSOLVED SOLIDS	1300		40	MG/L	1	7/15/2022

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050C
Legal Location:
Collection Date: 7/10/2022 11:00

Date: 12-Aug-22
Work Order: 2207167
Lab ID: 2207167-3
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 7/29/2022	PrepBy: ETC
BORON	0.22		0.1	MG/L	1	8/2/2022 14:40
BARIUM	ND		0.1	MG/L	1	8/2/2022 14:40
SODIUM	60		1	MG/L	1	8/2/2022 14:40
Ion Chromatography			EPA300.0		Prep Date: 7/15/2022	PrepBy: AOW
CHLORIDE	29		5	MG/L	25	7/15/2022 14:23
FLUORIDE	ND		6.4	MG/L	25	7/15/2022 14:23
SULFATE	710		25	MG/L	25	7/15/2022 14:23
Total Dissolved Solids			SM2540C		Prep Date: 7/13/2022	PrepBy: AOW
TOTAL DISSOLVED SOLIDS	1400		40	MG/L	1	7/15/2022

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050D
Legal Location:
Collection Date: 7/10/2022 12:00

Date: 12-Aug-22
Work Order: 2207167
Lab ID: 2207167-4
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 7/29/2022	PrepBy: ETC
BORON	0.18		0.1	MG/L	1	8/2/2022 14:40
BARIUM	ND		0.1	MG/L	1	8/2/2022 14:40
SODIUM	38		1	MG/L	1	8/2/2022 14:40
Ion Chromatography			EPA300.0		Prep Date: 7/15/2022	PrepBy: AOW
CHLORIDE	11		5	MG/L	25	7/15/2022 14:29
FLUORIDE	ND		6.4	MG/L	25	7/15/2022 14:29
SULFATE	650		25	MG/L	25	7/15/2022 14:29
Total Dissolved Solids			SM2540C		Prep Date: 7/13/2022	PrepBy: AOW
TOTAL DISSOLVED SOLIDS	1200		40	MG/L	1	7/15/2022

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050E
Legal Location:
Collection Date: 7/10/2022 13:00

Date: 12-Aug-22
Work Order: 2207167
Lab ID: 2207167-5
Matrix: WATER
Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Total Recoverable ICP Metals			SW6010		Prep Date: 7/29/2022	PrepBy: ETC
BORON	0.14		0.1	MG/L	1	8/2/2022 14:41
BARIUM	ND		0.1	MG/L	1	8/2/2022 14:41
SODIUM	45		1	MG/L	1	8/2/2022 14:41
Ion Chromatography			EPA300.0		Prep Date: 7/15/2022	PrepBy: AOW
CHLORIDE	44		5	MG/L	25	7/15/2022 14:35
FLUORIDE	ND		6.4	MG/L	25	7/15/2022 14:35
SULFATE	630		25	MG/L	25	7/15/2022 14:35
Total Dissolved Solids			SM2540C		Prep Date: 7/13/2022	PrepBy: AOW
TOTAL DISSOLVED SOLIDS	1000		40	MG/L	1	7/15/2022

Client: Randy Evans
Project: WPWT Facility
Sample ID: Outfall 050E
Legal Location:
Collection Date: 7/10/2022 13:00

Date: 12-Aug-22
Work Order: 2207167
Lab ID: 2207167-5
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

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Date: 8/12/2022 11:05:

Client: Randy Evans
 Work Order: 2207167
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: **RE220801-2-2** Instrument ID: **Alpha Scin** Method: **Radium-226 by Radon Emanation**

LCS		Sample ID: RE220801-2			Units: pCi/l			Analysis Date: 8/10/2022 12:45			
Client ID:		Run ID: RE220801-2A			Prep Date: 8/1/2022			DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Ra-226	39.4 (+/- 9.8)	0.6	46.41		84.9	67-120					P,Y1
Carr: BARIUM	16300		15830		103	40-110					Y1

LCSD		Sample ID: RE220801-2			Units: pCi/l			Analysis Date: 8/10/2022 13:13			
Client ID:		Run ID: RE220801-2A			Prep Date: 8/1/2022			DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Ra-226	47 (+/- 12)	0	46.41		102	67-120		39.4	0.51	2.13	P,Y1
Carr: BARIUM	16080		15830		102	40-110		16300			Y1

MB		Sample ID: RE220801-2			Units: pCi/l			Analysis Date: 8/10/2022 13:13			
Client ID:		Run ID: RE220801-2A			Prep Date: 8/1/2022			DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Ra-226	ND	0.22									Y1,U
Carr: BARIUM	16150		15830		102	40-110					Y1

The following samples were analyzed in this batch:

Client: Randy Evans
 Work Order: 2207167
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: RA220802-1-2 Instrument ID: LB4100-C Method: Radium-228 Analysis by GFPC

LCS		Sample ID: RA220802-1			Units: pCi/l			Analysis Date: 8/5/2022 11:22			
Client ID:		Run ID: RA220802-1A			Prep Date: 8/2/2022			DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Ra-228	22.2 (+/- 5.2)	0.7	21.09		105	70-130					P
Carr: BARIUM	30500		31660		96.3	40-110					

LCSD		Sample ID: RA220802-1			Units: pCi/l			Analysis Date: 8/5/2022 11:22			
Client ID:		Run ID: RA220802-1A			Prep Date: 8/2/2022			DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Ra-228	22 (+/- 5.1)	0.8	21.09		104	70-130		22.2	0.04	2.13	P
Carr: BARIUM	30860		31650		97.5	40-110		30500			

MB		Sample ID: RA220802-1			Units: pCi/l			Analysis Date: 8/5/2022 11:22			
Client ID:		Run ID: RA220802-1A			Prep Date: 8/2/2022			DF: NA			
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref Value	DER	DER Limit	Qual
Ra-228	ND	0.72									U
Carr: BARIUM	30470		31650		96.3	40-110					

The following samples were analyzed in this batch:

Client: Randy Evans
 Work Order: 2207167
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: IP220729-2-1 Instrument ID: ICP5900 Method: SW6010

LCS Sample ID: IP220729-2 Units: **MG/L** Analysis Date: **8/2/2022 14:36**
 Client ID: Run ID: IT220802-1A12 Prep Date: **7/29/2022** DF: 1

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
BARIUM	1.01	0.1	1		101	80-120				20	
BORON	1.03	0.1	1		103	80-120				20	
SODIUM	40.6	1	40		101	80-120				20	

LCSD Sample ID: IP220729-2 Units: **MG/L** Analysis Date: **8/2/2022 14:37**
 Client ID: Run ID: IT220802-1A12 Prep Date: **7/29/2022** DF: 1

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
BARIUM	1	0.1	1		100	80-120		1.01	0	20	
BORON	1.03	0.1	1		103	80-120		1.03	0	20	
SODIUM	40.8	1	40		102	80-120		40.6	0	20	

MB Sample ID: IP220729-2 Units: **MG/L** Analysis Date: **8/2/2022 14:33**
 Client ID: Run ID: IT220802-1A12 Prep Date: **7/29/2022** 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:

2207167-1	2207167-2	2207167-3
2207167-4	2207167-5	

Client: Randy Evans
 Work Order: 2207167
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: VL220715-4-1 Instrument ID: HPV4 Method: SW8260_25

LCS		Sample ID: VL220715-4			Units: UG/L		Analysis Date: 7/15/2022 16:26				
Client ID:		Run ID: VL220715-4A			Prep Date: 7/15/2022		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
BENZENE	10.4	1	10		104	80-120				20	
TOLUENE	9.93	1	10		99	80-120				20	
Surr: DIBROMOFLUOROMETHANE	24.4		25		98	80-120					
Surr: TOLUENE-D8	25		25		100	80-120					
Surr: 4-BROMOFLUOROBENZENE	24.7		25		99	80-120					

LCSD		Sample ID: VL220715-4			Units: UG/L		Analysis Date: 7/15/2022 17:07				
Client ID:		Run ID: VL220715-4A			Prep Date: 7/15/2022		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
BENZENE	10.4	1	10		104	80-120		10.4	0	20	
TOLUENE	9.86	1	10		99	80-120		9.93	1	20	
Surr: DIBROMOFLUOROMETHANE	24.6		25		99	80-120			1		
Surr: TOLUENE-D8	24.7		25		99	80-120			1		
Surr: 4-BROMOFLUOROBENZENE	24.5		25		98	80-120			1		

MB		Sample ID: VL220715-4			Units: UG/L		Analysis Date: 7/15/2022 18:50					
Client ID:		Run ID: VL220715-4A			Prep Date: 7/15/2022		DF: 1					
Analyte	Result	ReportLimit										Qual
BENZENE	ND	1										
TOLUENE	ND	1										
ETHYLBENZENE	ND	1										
M+P-XYLENE	ND	1										
O-XYLENE	ND	1										
1,3,5-TRIMETHYLBENZENE	ND	1										
1,2,4-TRIMETHYLBENZENE	ND	1										
NAPHTHALENE	ND	1										
Surr: DIBROMOFLUOROMETHANE	23.9				96	80-120						
Surr: TOLUENE-D8	25.2				101	80-120						
Surr: 4-BROMOFLUOROBENZENE	26.5				106	80-120						

The following samples were analyzed in this batch: 2207167-2

Client: Randy Evans
 Work Order: 2207167
 Project: WPWT Facility

QC BATCH REPORT

Batch ID: IC220715-2-1 Instrument ID: IC3 Method: EPA300.0

LCS		Sample ID: IC220715-2			Units: MG/L		Analysis Date: 7/15/2022 14:47				
Client ID:		Run ID: IC220715-1A1			Prep Date: 7/15/2022		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	4.99	0.258	5		100	90-110				15	
CHLORIDE	10.1	0.2	10		101	90-110				15	
SULFATE	50.2	1	50		100	90-110				15	

LCSD		Sample ID: IC220715-2			Units: MG/L		Analysis Date: 7/15/2022 16:06				
Client ID:		Run ID: IC220715-1A1			Prep Date: 7/15/2022		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	4.95	0.258	5		99	90-110		4.99	1	15	
CHLORIDE	10	0.2	10		100	90-110		10.1	1	15	
SULFATE	49.8	1	50		100	90-110		50.2	1	15	

MB		Sample ID: IC220715-2			Units: MG/L		Analysis Date: 7/15/2022 13:40				
Client ID:		Run ID: IC220715-1A1			Prep Date: 7/15/2022		DF: 1				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	ND	0.26									
CHLORIDE	ND	0.2									
SULFATE	ND	1									

MS		Sample ID: 2207167-5			Units: MG/L		Analysis Date: 7/15/2022 14:41				
Client ID: Outfall 050E		Run ID: IC220715-1A1			Prep Date: 7/15/2022		DF: 25				
Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref Value	RPD	RPD Limit	Qual
FLUORIDE	55	6.45	50	6.4	110	85-115				15	
CHLORIDE	176	5	125	44	106	85-115				15	
SULFATE	1110	25	500	630	95	85-115				15	

The following samples were analyzed in this batch:

2207167-1	2207167-2	2207167-3
2207167-4	2207167-5	

Client: Randy Evans
Work Order: 2207167
Project: WPWT Facility

QC BATCH REPORT

Batch ID: **TD220713-1-1** Instrument ID: **Balance** Method: **SM2540C**

LCS		Sample ID: TD220713-1			Units: MG/L		Analysis Date: 7/15/2022				
Client ID:		Run ID: TD220715-1A1			Prep Date: 7/13/2022		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	412	20	400		103	85-115				14	

LCSD		Sample ID: TD220713-1			Units: MG/L		Analysis Date: 7/15/2022				
Client ID:		Run ID: TD220715-1A1			Prep Date: 7/13/2022		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	406	20	400		101	85-115		412	1	14	

MB		Sample ID: TD220713-1			Units: MG/L		Analysis Date: 7/15/2022				
Client ID:		Run ID: TD220715-1A1			Prep Date: 7/13/2022		DF: 1				
Analyte	Result	ReportLimit	Qual								
TOTAL DISSOLVED SOLIDS	ND	20									

The following samples were analyzed in this batch:

2207167-1	2207167-2	2207167-3
2207167-4	2207167-5	