

December 22, 2023

Joe Shields

Timberon Water and Sanitation District
PO Box 40

Timberon, NM 88350

TEL: (575) 987-2250

FAX:

RE: Well 2 Start Up

OrderNo.: 2311792

Dear Joe Shields:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 11/15/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberon Water and Sanitation District

Client Sample ID: Well #2

Project: Well 2 Start Up

Collection Date: 11/14/2023 9:10:00 AM

Lab ID: 2311792-001

Matrix: AQUEOUS

Received Date: 11/15/2023 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 504.1: EDB/DBCP						Analyst: mb
1,2-Dibromo-3-chloropropane	ND	0.019		µg/L	1	11/20/2023 4:44:47 PM
1,2-Dibromoethane	ND	0.0095		µg/L	1	11/20/2023 4:44:47 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Fluoride	0.16	0.10		mg/L	1	11/15/2023 6:34:28 PM
Chloride	12	0.50		mg/L	1	11/15/2023 6:34:28 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	11/15/2023 6:34:28 PM
Nitrogen, Nitrate (As N)	0.11	0.10		mg/L	1	11/15/2023 6:34:28 PM
Sulfate	130	10		mg/L	20	11/15/2023 6:46:48 PM
EPA METHOD 200.7: METALS						Analyst: JRR
Aluminum	0.022	0.020		mg/L	1	11/28/2023 9:54:45 AM
Barium	0.038	0.0030		mg/L	1	11/28/2023 9:54:45 AM
Beryllium	ND	0.0020		mg/L	1	11/28/2023 9:54:45 AM
Cadmium	ND	0.0020		mg/L	1	11/28/2023 9:54:45 AM
Chromium	ND	0.0060		mg/L	1	11/28/2023 9:54:45 AM
Iron	0.43	0.050	*	mg/L	1	11/28/2023 9:54:45 AM
Manganese	0.036	0.0020		mg/L	1	11/28/2023 9:54:45 AM
Silver	ND	0.0050		mg/L	1	11/28/2023 9:54:45 AM
Zinc	6.3	0.10	*	mg/L	10	11/30/2023 10:22:16 AM
EPA 200.8: METALS						Analyst: ELS
Antimony	ND	0.0010		mg/L	1	12/13/2023 3:50:54 PM
Arsenic	ND	0.0010		mg/L	1	12/11/2023 4:26:55 PM
Copper	0.056	0.0050		mg/L	5	12/13/2023 3:55:40 PM
Selenium	0.0013	0.0010		mg/L	1	12/11/2023 4:26:55 PM
Thallium	ND	0.00025		mg/L	1	12/11/2023 4:26:55 PM
Uranium	0.0017	0.00050		mg/L	1	12/11/2023 4:26:55 PM
EPA METHOD 245.1: MERCURY						Analyst: tem
Mercury	ND	0.00020		mg/L	1	12/1/2023 12:59:08 PM
SM 9223B TOTAL COLIFORM						Analyst: SMS
Total Coliform	Absent	0	H	P/A	1	11/16/2023 10:54:00 AM
E. Coli	Absent	0	H	P/A	1	11/16/2023 10:54:00 AM
PURGEABLE ORGANICS BY EPA 524						Analyst: RAA
Benzene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Carbon tetrachloride	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Chlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberon Water and Sanitation District

Client Sample ID: Well #2

Project: Well 2 Start Up

Collection Date: 11/14/2023 9:10:00 AM

Lab ID: 2311792-001

Matrix: AQUEOUS

Received Date: 11/15/2023 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE ORGANICS BY EPA 524						Analyst: RAA
1,4-Dichlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Ethylbenzene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Methylene chloride	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Styrene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Tetrachloroethene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Toluene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Trichloroethene	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Vinyl chloride	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Total Xylenes	ND	0.50		µg/L	1	11/16/2023 4:02:00 PM
Surr: 1,2-Dichlorobenzene-d4	83.4	70-130		%Rec	1	11/16/2023 4:02:00 PM
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	11/16/2023 4:02:00 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	490	50.0		mg/L	1	11/16/2023 12:42:00 PM
SM4500-H+B / 9040C: PH						Analyst: RBC
pH	7.71		H	pH units	1	11/16/2023 1:00:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.	

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Timberon Water and Sanitation District**Client Sample ID:** Trip Blank**Project:** Well 2 Start Up**Collection Date:****Lab ID:** 2311792-002**Matrix:** TRIP BLANK**Received Date:** 11/15/2023 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 504.1: EDB/DBCP						Analyst: mb
1,2-Dibromo-3-chloropropane	ND	0.019		µg/L	1	11/20/2023 5:01:39 PM
1,2-Dibromoethane	ND	0.0093		µg/L	1	11/20/2023 5:01:39 PM
PURGEABLE ORGANICS BY EPA 524						Analyst: RAA
Benzene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Carbon tetrachloride	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Chlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,2-Dichlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,4-Dichlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,2-Dichloroethane	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,1-Dichloroethene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,2-Dichloropropane	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Ethylbenzene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Methylene chloride	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Styrene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Tetrachloroethene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Toluene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,2,4-Trichlorobenzene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,1,1-Trichloroethane	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
1,1,2-Trichloroethane	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Trichloroethene	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Vinyl chloride	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Total Xylenes	ND	0.50		µg/L	1	11/16/2023 4:30:00 PM
Surr: 1,2-Dichlorobenzene-d4	85.0	70-130	%Rec		1	11/16/2023 4:30:00 PM
Surr: 4-Bromofluorobenzene	84.2	70-130	%Rec		1	11/16/2023 4:30:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-01
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001F (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Synthetic Organic Chemical (SOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
2034	Glyphosate	ND	ug/L	700	5.00	11/17/23 19:34	BKP	EPA 547	
2005	Endrin	ND	ug/L	2	0.0100	11/27/23 16:09	GPB	EPA 505	
2010	Lindane (BHC-Gamma)	ND	ug/L	0.2	0.0200	11/27/23 16:09	GPB	EPA 505	
2015	Methoxychlor	ND	ug/L	40	0.100	11/27/23 16:09	GPB	EPA 505	
2020	Toxaphene	ND	ug/L	3	1.00	11/27/23 16:09	GPB	EPA 505	
2065	Heptachlor	ND	ug/L	0.4	0.0400	11/27/23 16:26	GPB	EPA 505	
2067	Heptachlor epoxide	ND	ug/L	0.2	0.0200	11/27/23 16:09	GPB	EPA 505	
2383	PCBs	ND	ug/L	0.5	0.500	11/27/23 16:09	GPB	EPA 505	
2959	Chlordane	ND	ug/L	2	0.200	11/27/23 16:09	GPB	EPA 505	

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Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-02
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001G (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Synthetic Organic Chemical (SOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
2036	Oxamyl (Vydate)	ND	ug/L	200	2.00	11/21/23 7:38	BKP	EPA 531.2	
2046	Carbofuran	ND	ug/L	40	0.900	11/21/23 7:38	BKP	EPA 531.2	

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Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-03
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001H (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Synthetic Organic Chemical (SOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
2035	Di(2-ethylhexyl)adipate	ND	ug/L	400	0.600	12/4/23 20:05	BMM	EPA 525.2	
2037	Simazine	ND	ug/L	4	0.0700	12/4/23 20:05	BMM	EPA 525.2	
2039	Di(2-ethylhexyl)phthalate	ND	ug/L	6	0.600	12/4/23 20:05	BMM	EPA 525.2	
2042	Hexachlorocyclopentadiene	ND	ug/L	50	0.100	12/4/23 20:05	BMM	EPA 525.2	
2050	Atrazine	ND	ug/L	3	0.100	12/4/23 20:05	BMM	EPA 525.2	
2051	Alachlor (Lasso)	ND	ug/L	2	0.200	12/4/23 20:05	BMM	EPA 525.2	
2274	Hexachlorobenzene	ND	ug/L	1	0.100	12/4/23 20:05	BMM	EPA 525.2	
2306	Benzo[a]pyrene	ND	ug/L	0.2	0.0200	12/4/23 20:05	BMM	EPA 525.2	

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Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-04
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-0011 (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Synthetic Organic Chemical (SOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
2033	Endothall	ND	ug/L	100	9.00	11/28/23 16:56	GPB	EPA 548.1	
2031	Dalapon	ND	ug/L	200	1.00	11/21/23 1:20	tgt	EPA 515.4	
2040	Picloram	ND	ug/L	500	0.100	11/21/23 0:45	tgt	EPA 515.4	
2041	Dinoseb	ND	ug/L	7	0.200	11/21/23 0:45	tgt	EPA 515.4	
2105	2,4-D	ND	ug/L	70	0.100	11/21/23 0:45	tgt	EPA 515.4	
2110	2,4,5-TP (Silvex)	ND	ug/L	50	0.200	11/21/23 0:45	tgt	EPA 515.4	
2326	Pentachlorophenol	ND	ug/L	1	0.0400	11/21/23 1:20	tgt	EPA 515.4	

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Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-05
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001J (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Synthetic Organic Chemical (SOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
2032	Diquat	ND	ug/L	20	0.400	12/12/23 18:18	taz	EPA 549.2	

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Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-06
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001K (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Inorganic Chemical (IOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
	Color	5.00 @ pH 7.37	Color Units	15	5.00	11/17/23 16:09	CC	SM 2120 B	H1
1920	Odor (threshold #)	ND	T.O.N.	3	1.00	11/17/23 16:09	CC	SM 2150 B	H1

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-07
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001L (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		

Public Drinking Water System Analysis Report

Inorganic Chemical (IOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
1927	Alkalinity as CaCO3	251 to pH 4.5	mg CaCO3/L		2.00	11/20/23 14:45	CC	SM 2320 B	
1016	Calcium	118	mg/L		0.100	11/21/23 15:25	TEC	EPA 200.7	
1997	Langlier Index	0.418			-20.0	11/20/23 14:45	CC	Calculation	
1925	pH	7.53 @ 21.1°C	pH Units			11/20/23 14:45	CC	SM 4500-H-B	H5
1930	Total Dissolved Solids	434	mg/L		50.0	11/20/23 11:30	CC	SM 2540 C	
2905	Surfactants	ND	mg/L 342.4MW LAS		0.0500	11/30/23 13:00	DTA	SM 5540 C	H1

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Lab Federal ID#:	See Below	Lab/Sample Number:	MDK0442-08
Date Received:	11/16/2023	Date Reported by Lab:	12/22/2023
Compliance Sample:		Replacement Sample:	
Collect Date:	11/14/2023	Collection Time:	9:10
Sample Type:			
PWS#:		PWS Name:	Hall Environmental Analysis Lab
Sample Point/ Location:	2311792-001M (Well #2)	Tag#/Facility ID:	
Contact Name:	Andy Freeman	Contact Phone:	<i>See Signature Page</i>
Lab Federal ID#:	ID00013		


Public Drinking Water System Analysis Report

Inorganic Chemical (IOC) Analysis Report:

FRDS	Analyte	Result	Units	MCL	MRL	Analyzed	Analyst	Method	Qualifier
1024	Cyanide	ND	mg/L	0.2	0.0100	11/28/23 14:42	MMC	EPA 335.4	

Andy Freeman
Hall Environmental Analysis Lab
4901 Hawkins NE Suite D
Albuquerque, NM 87109
505-345-3975

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

H1 Sample analysis performed past holding time.
H5 This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
R1 RPD/RSD exceeded the method acceptance limit
MRL Minimum Reporting Level
ND Not Detected
MCL EPA's Maximum Contaminant Level
Dry Sample results reported on a dry weight basis
* Not a certified analyte
RPD Relative Percent Difference
%REC Percent Recovery
Source Sample that was spiked or duplicated.

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

MDK0442



Due: 12/04/23

SUB CONTRACTOR: **Anatek ID** COMPANY: **Anatek Labs, Inc.** PHONE: **(208) 883-2839** FAX: **(208) 882-9246**

ADDRESS: **1282 Alturas Dr** ACCOUNT # _____ EMAIL _____

CITY, STATE, ZIP: **Moscow, ID 83843**

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2311792-001F	Well #2	VOANA2S20	Aqueous	11/14/2023 9:10:00 AM	2	Full SOC W/O EDB/DBCP
2	2311792-001G	Well #2	VOAC6H7KO	Aqueous	11/14/2023 9:10:00 AM	2	Full SOC W/O EDB/DBCP
3	2311792-001H	Well #2	1LWAMGNASO	Aqueous	11/14/2023 9:10:00 AM	1	Full SOC W/O EDB/DBCP
4	2311792-001I	Well #2	500AMBNA2	Aqueous	11/14/2023 9:10:00 AM	1	Full SOC W/O EDB/DBCP
5	2311792-001J	Well #2	250 HDPE	Aqueous	11/14/2023 9:10:00 AM	1	Full SOC W/O EDB/DBCP
6	2311792-001K	Well #2	1LAmber	Aqueous	11/14/2023 9:10:00 AM	1	Color, Odor
7	2311792-001L	Well #2	500HDPE	Aqueous	11/14/2023 9:10:00 AM	1	Surfactants, Corrosivity
8	2311792-001M	Well #2	500AMBHDP	Aqueous	11/14/2023 9:10:00 AM	1	Total Cyanide

SPECIAL INSTRUCTIONS/COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@halenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: *Cmc* Date: 11/15/2023 Time: 12:45 PM Received By: *SM* Date: 11/16/23 Time: 11:40

Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____

TAT: Standard RUSH Next BD 2nd BD 3rd BD

REPORT TRANSMITTAL DESIRED: HARD COPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool? _____

Comments: _____



Anatek Labs, Inc.

Sample Receipt and Preservation Form

Client Name: Hall

TAT: Normal RUSH: _____ days

Samples Received From: FedEx UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: _____

Cooler Temp As Read (°C): 1.1 Cooler Temp Corrected (°C): _____ Thermometer Used: IRS

Comments:

Samples Received Intact? Yes No N/A
 Chain of Custody Present/Complete? Yes No N/A
 Labels and Chains Agree? Yes No N/A
 Samples Received Within Hold Time? Yes No N/A
 Correct Containers Received? Yes No N/A
 Anatek Bottles Used? Yes No Unknown
 Total Number of Sample Bottles Received: 10

Samples Properly Preserved? Yes No N/A

If No, record preservation and pH-after details

VOC Vials Free of Headpace (<6mm)? Yes No N/A

VOC Trip Blanks Present? Yes No N/A

Initial pH:	pH Paper ID:
<2 or	

Record preservatives (and lot numbers, if known) for containers below:

G44-ST-Pest / Glyph x2	P500 - surfactants / Corrosivity
G44- Carb x2	P500 - NaOH - CN
G1L- HCl/SS - SVOC 525	
G500 - ST- Herb / Endo	
G1L - Color / Odor	
P250 - ST - Diquat	

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: SM Date/Time: 11/16/23 11:40

Form F19.01 - Eff 1 Dec 2022

Page 1 of 1

ANALYTICAL REPORT

PREPARED FOR

Attn: Data Submittal
Hall Environmental Analysis Laboratory
4901 Hawkins NE
Suite D
Albuquerque, New Mexico 87109

Generated 12/18/2023 5:32:03 PM

JOB DESCRIPTION

Standard Rad Analysis
2311792

JOB NUMBER

160-52233-1

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
12/18/2023 5:32:03 PM

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Chain of Custody	6
Receipt Checklists	7
Definitions/Glossary	8
Method Summary	9
Sample Summary	10
Client Sample Results	11
QC Sample Results	12
QC Association Summary	14
Tracer Carrier Summary	15

Case Narrative

Client: Hall Environmental Analysis Laboratory
Project: Standard Rad Analysis

Job ID: 160-52233-1

Job ID: 160-52233-1

Eurofins St. Louis

CASE NARRATIVE

Client: Hall Environmental Analysis Laboratory

Project: 2311792

Report Number: 160-52233-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt

The samples were received on 11/16/2023 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 12.8°C

Method 900.0 - Gross Alpha and Gross Beta Radioactivity

Sample 2311792-001O/Well #2 (52233-2) was analyzed for Gross Alpha and Gross Beta Radioactivity. The sample was prepared on 11/20/2023 and analyzed on 11/30/2023.

The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: 2311792-001O/Well #2 (160-52233-2), 160-52233-2 MS and 160-52233-B-2-D DU. Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method 903.0 - Radium-226 (GFPC)

Sample 2311792-001N/Well #2 (52233-1) was analyzed for Radium-226 (GFPC). The sample was prepared on 11/17/2023 and analyzed on 12/16/2023.

Eurofins St. Louis

Case Narrative

Client: Hall Environmental Analysis Laboratory
Project: Standard Rad Analysis

Job ID: 160-52233-1

Job ID: 160-52233-1 (Continued)

Eurofins St. Louis

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method 904.0 - Radium-228 (GFPC)

Sample 2311792-001N/Well #2 (52233-1) was analyzed for Radium-228 (GFPC). The sample was prepared on 11/17/2023 and analyzed on 12/15/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Environmental Testing South Central LLC
 4901 Hawkins Ct
 Houston, TX 77057-1009
 TEL: 805.345.8978
 FAX: 805.345.4110
 Website: www.halleenvironmental.com

SUB CONTRACTOR TestAm - St. Louis		COMPANY Eurofins TestAmerica		PHONE (314) 298-8566	FAX (314) 298-8757		
ADDRESS 13715 Rider Trail North		E-MAIL					
CITY, STATE, ZIP Earth City, MO 63045							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	CONTAINERS	ANALYTICAL COMMENTS
1	2311792-001N	Well #2	1LHDPEHNO	Aqueous	11/14/2023 9:10:00 AM	2 RA226/228/	
2	2311792-001O	Well #2	1LHDPEHNO	Aqueous	11/14/2023 9:10:00 AM	2 Gross Alpha/Beta	



SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to labz@halleenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By CMC	Date 11/15/2023	Time 12:46 PM	Requested By Suzanne Washington	Date 11/16/23	Time 0915
Relinquished By	Date	Time	Received By	Date	Time
Relinquished By	Date	Time	Received By	Date	Time
TEST:	Standard	RU SH	Accepted	2nd ID	3rd ID
REPORT TRANSMITTAL DESIRED <input type="checkbox"/> HARD COPY <input type="checkbox"/> ONLINE <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE Temp of samples: _____ Attempts Cool: _____ Comments: _____					

Login Sample Receipt Checklist

Client: Hall Environmental Analysis Laboratory

Job Number: 160-52233-1

SDG Number: 2311792

Login Number: 52233

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: Hall Environmental Analysis Laboratory
Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
SDG: 2311792

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: Hall Environmental Analysis Laboratory
Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
SDG: 2311792

Method	Method Description	Protocol	Laboratory
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Evaporation	Preparation, Evaporation	None	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Hall Environmental Analysis Laboratory
Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
SDG: 2311792

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52233-1	2311792-001N/Well #2	Water	11/14/23 09:10	11/16/23 09:25
160-52233-2	2311792-001O/Well #2	Water	11/14/23 09:10	11/16/23 09:25

Client Sample Results

Client: Hall Environmental Analysis Laboratory
 Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
 SDG: 2311792

Client Sample ID: 2311792-001N/Well #2

Lab Sample ID: 160-52233-1

Date Collected: 11/14/23 09:10

Matrix: Water

Date Received: 11/16/23 09:25

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.207	U	0.165	0.166	1.00	0.243	pCi/L	11/17/23 11:24	12/16/23 18:34	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	96.7		30 - 110					11/17/23 11:24	12/16/23 18:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.707		0.355	0.361	1.00	0.482	pCi/L	11/17/23 11:37	12/15/23 16:38	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	96.7		30 - 110					11/17/23 11:37	12/15/23 16:38	1
Y Carrier	84.9		30 - 110					11/17/23 11:37	12/15/23 16:38	1

Client Sample ID: 2311792-001O/Well #2

Lab Sample ID: 160-52233-2

Date Collected: 11/14/23 09:10

Matrix: Water

Date Received: 11/16/23 09:25

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	2.04	U G	3.07	3.08	3.00	5.23	pCi/L	11/20/23 09:07	11/30/23 20:59	1
Gross Beta	2.16		1.25	1.27	4.00	1.85	pCi/L	11/20/23 09:07	11/30/23 20:59	1

QC Sample Results

Client: Hall Environmental Analysis Laboratory
 Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
 SDG: 2311792

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-637548/1-A
Matrix: Water
Analysis Batch: 638803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637548

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Gross Alpha	-0.1011	U	0.500	0.500	3.00	1.01	pCi/L	11/20/23 09:07	11/30/23 19:05	1
Gross Beta	-0.2114	U	0.485	0.486	4.00	0.909	pCi/L	11/20/23 09:07	11/30/23 19:05	1

Lab Sample ID: LCS 160-637548/2-A
Matrix: Water
Analysis Batch: 638803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637548

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Gross Alpha	49.3	55.77		8.04	3.00	1.97	pCi/L	113	75 - 125

Lab Sample ID: LCSB 160-637548/3-A
Matrix: Water
Analysis Batch: 638803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637548

Analyte	Spike Added	LCSB Result	LCSB Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Gross Beta	72.3	73.87		7.92	4.00	0.868	pCi/L	102	75 - 125

Lab Sample ID: 160-52233-2 MS
Matrix: Water
Analysis Batch: 638803

Client Sample ID: 2311792-0010/Well #2
Prep Type: Total/NA
Prep Batch: 637548

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
						Uncert. (2σ+/-)					
Gross Alpha	2.04	U G	95.7	86.43		13.9	3.00	5.09	pCi/L	88	60 - 140

Lab Sample ID: 160-52233-2 MSBT
Matrix: Water
Analysis Batch: 638803

Client Sample ID: 2311792-0010/Well #2
Prep Type: Total/NA
Prep Batch: 637548

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
						Uncert. (2σ+/-)					
Gross Beta	2.16		140	145.0		15.6	4.00	1.72	pCi/L	102	60 - 140

Lab Sample ID: 160-52233-2 DU
Matrix: Water
Analysis Batch: 638803

Client Sample ID: 2311792-0010/Well #2
Prep Type: Total/NA
Prep Batch: 637548

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total	RL	MDC	Unit	RER	RER Limit
					Uncert. (2σ+/-)					
Gross Alpha	2.04	U G	2.615	U G	3.06	3.00	5.00	pCi/L	0.09	1
Gross Beta	2.16		1.381	U	1.25	4.00	1.95	pCi/L	0.31	1

QC Sample Results

Client: Hall Environmental Analysis Laboratory
 Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
 SDG: 2311792

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-637388/1-A
 Matrix: Water
 Analysis Batch: 640957

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 637388

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1015	U	0.131	0.131	1.00	0.217	pCi/L	11/17/23 11:24	12/16/23 15:32	1
Carrier	%Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					11/17/23 11:24	12/16/23 15:32	1

Lab Sample ID: LCS 160-637388/2-A
 Matrix: Water
 Analysis Batch: 640957

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 637388

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.01		1.20	1.00	0.256	pCi/L	88	75 - 125
Carrier	%Yield	LCS Qualifier	Limits						
Ba Carrier	100		30 - 110						

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-637390/1-A
 Matrix: Water
 Analysis Batch: 640847

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 637390

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.03441	U	0.231	0.231	1.00	0.454	pCi/L	11/17/23 11:37	12/15/23 16:40	1
Carrier	%Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					11/17/23 11:37	12/15/23 16:40	1
Y Carrier	80.7		30 - 110					11/17/23 11:37	12/15/23 16:40	1

Lab Sample ID: LCS 160-637390/2-A
 Matrix: Water
 Analysis Batch: 640847

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 637390

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.64	7.229		1.06	1.00	0.444	pCi/L	95	75 - 125
Carrier	%Yield	LCS Qualifier	Limits						
Ba Carrier	100		30 - 110						
Y Carrier	83.0		30 - 110						

QC Association Summary

Client: Hall Environmental Analysis Laboratory
 Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
 SDG: 2311792

Rad

Prep Batch: 637388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52233-1	2311792-001N/Well #2	Total/NA	Water	PrecSep-21	
MB 160-637388/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-637388/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 637390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52233-1	2311792-001N/Well #2	Total/NA	Water	PrecSep_0	
MB 160-637390/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-637390/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 637548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52233-2	2311792-001O/Well #2	Total/NA	Water	Evaporation	
MB 160-637548/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-637548/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-637548/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
160-52233-2 MS	2311792-001O/Well #2	Total/NA	Water	Evaporation	
160-52233-2 MSBT	2311792-001O/Well #2	Total/NA	Water	Evaporation	
160-52233-2 DU	2311792-001O/Well #2	Total/NA	Water	Evaporation	

Tracer/Carrier Summary

Client: Hall Environmental Analysis Laboratory
Project/Site: Standard Rad Analysis

Job ID: 160-52233-1
SDG: 2311792

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Ba (30-110)	Percent Yield (Acceptance Limits)	
160-52233-1	2311792-001N/Well #2	96.7		
LCS 160-637388/2-A	Lab Control Sample	100		
MB 160-637388/1-A	Method Blank	102		

Tracer/Carrier Legend
Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)	Percent Yield (Acceptance Limits)	
160-52233-1	2311792-001N/Well #2	96.7	84.9		
LCS 160-637390/2-A	Lab Control Sample	100	83.0		
MB 160-637390/1-A	Method Blank	102	80.7		

Tracer/Carrier Legend
Ba = Ba Carrier
Y = Y Carrier

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District
Project: Well 2 Start Up

Sample ID: MB-A	SampType: MBLK	TestCode: EPA Method 200.7: Metals								
Client ID: PBW	Batch ID: A101463	RunNo: 101463								
Prep Date:	Analysis Date: 11/28/2023	SeqNo: 3734287	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum	ND	0.020								
Barium	ND	0.0030								
Beryllium	ND	0.0020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Iron	ND	0.050								
Manganese	ND	0.0020								
Silver	ND	0.0050								

Sample ID: LCSLL-A	SampType: LCSLL	TestCode: EPA Method 200.7: Metals								
Client ID: BatchQC	Batch ID: A101463	RunNo: 101463								
Prep Date:	Analysis Date: 11/28/2023	SeqNo: 3734288	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum	ND	0.020	0.01000	0	108	50	150			
Barium	ND	0.0030	0.002000	0	125	50	150			
Beryllium	0.0020	0.0020	0.002000	0	100	50	150			
Cadmium	ND	0.0020	0.002000	0	96.8	50	150			
Chromium	0.0070	0.0060	0.006000	0	117	50	150			
Iron	ND	0.050	0.02000	0	102	50	150			
Manganese	0.0021	0.0020	0.002000	0	103	50	150			
Silver	ND	0.0050	0.005000	0	99.1	50	150			

Sample ID: LCS-A	SampType: LCS	TestCode: EPA Method 200.7: Metals								
Client ID: LCSW	Batch ID: A101463	RunNo: 101463								
Prep Date:	Analysis Date: 11/28/2023	SeqNo: 3734289	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum	0.57	0.020	0.5000	0	114	85	115			
Barium	0.51	0.0030	0.5000	0	102	85	115			
Beryllium	0.52	0.0020	0.5000	0	103	85	115			
Cadmium	0.51	0.0020	0.5000	0	102	85	115			
Chromium	0.51	0.0060	0.5000	0	102	85	115			
Iron	0.51	0.050	0.5000	0	103	85	115			
Manganese	0.51	0.0020	0.5000	0	102	85	115			
Silver	0.10	0.0050	0.1000	0	102	85	115			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District

Project: Well 2 Start Up

Sample ID: 2311792-001DMS	SampType: MS	TestCode: EPA Method 200.7: Metals								
Client ID: Well #2	Batch ID: A101463	RunNo: 101463								
Prep Date:	Analysis Date: 11/28/2023	SeqNo: 3734303 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.55	0.020	0.5000	0.02202	105	70	130			
Barium	0.52	0.0030	0.5000	0.03842	95.7	70	130			
Beryllium	0.51	0.0020	0.5000	0	102	70	130			
Cadmium	0.49	0.0020	0.5000	0	97.4	70	130			
Chromium	0.49	0.0060	0.5000	0	99.0	70	130			
Iron	0.94	0.050	0.5000	0.4270	102	70	130			
Manganese	0.52	0.0020	0.5000	0.03620	96.8	70	130			
Silver	0.098	0.0050	0.1000	0.0009364	96.9	70	130			

Sample ID: 2311792-001DMSD	SampType: MSD	TestCode: EPA Method 200.7: Metals								
Client ID: Well #2	Batch ID: A101463	RunNo: 101463								
Prep Date:	Analysis Date: 11/28/2023	SeqNo: 3734304 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.55	0.020	0.5000	0.02202	106	70	130	0.987	20	
Barium	0.52	0.0030	0.5000	0.03842	97.3	70	130	1.48	20	
Beryllium	0.51	0.0020	0.5000	0	102	70	130	0.00201	20	
Cadmium	0.49	0.0020	0.5000	0	98.8	70	130	1.36	20	
Chromium	0.50	0.0060	0.5000	0	100	70	130	1.45	20	
Iron	0.91	0.050	0.5000	0.4270	96.5	70	130	2.93	20	
Manganese	0.53	0.0020	0.5000	0.03620	97.8	70	130	1.02	20	
Silver	0.10	0.0050	0.1000	0.0009364	98.9	70	130	1.96	20	

Sample ID: MB-A	SampType: MBLK	TestCode: EPA Method 200.7: Metals								
Client ID: PBW	Batch ID: A101518	RunNo: 101518								
Prep Date:	Analysis Date: 11/30/2023	SeqNo: 3736838 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Zinc	ND	0.010								

Sample ID: LCSLL-A	SampType: LCSLL	TestCode: EPA Method 200.7: Metals								
Client ID: BatchQC	Batch ID: A101518	RunNo: 101518								
Prep Date:	Analysis Date: 11/30/2023	SeqNo: 3736839 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Zinc	ND	0.010	0.01000	0	99.3	50	150			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District
Project: Well 2 Start Up

Sample ID: LCS-A	SampType: LCS	TestCode: EPA Method 200.7: Metals								
Client ID: LCSW	Batch ID: A101518	RunNo: 101518								
Prep Date:	Analysis Date: 11/30/2023	SeqNo: 3736840 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Zinc	0.50	0.010	0.5000	0	100	85	115			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District
Project: Well 2 Start Up

Sample ID: MB	SampType: MBLK	TestCode: EPA 200.8: Metals								
Client ID: PBW	Batch ID: A101770	RunNo: 101770								
Prep Date:	Analysis Date: 12/11/2023	SeqNo: 3751031 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	ND	0.0010								
Selenium	ND	0.0010								
Thallium	ND	0.00025								
Uranium	ND	0.00050								

Sample ID: LCSLL-TL	SampType: LCSLL	TestCode: EPA 200.8: Metals								
Client ID: BatchQC	Batch ID: A101770	RunNo: 101770								
Prep Date:	Analysis Date: 12/11/2023	SeqNo: 3751032 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	ND	0.0010	0.0005000	0	89.7	50	150			
Thallium	ND	0.00025	0.0002500	0	98.5	50	150			

Sample ID: LCSLL	SampType: LCSLL	TestCode: EPA 200.8: Metals								
Client ID: BatchQC	Batch ID: A101770	RunNo: 101770								
Prep Date:	Analysis Date: 12/11/2023	SeqNo: 3751033 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Selenium	0.0010	0.0010	0.001000	0	102	50	150			
Uranium	0.00051	0.00050	0.0005000	0	103	50	150			

Sample ID: LCS	SampType: LCS	TestCode: EPA 200.8: Metals								
Client ID: LCSW	Batch ID: A101770	RunNo: 101770								
Prep Date:	Analysis Date: 12/11/2023	SeqNo: 3751034 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Arsenic	0.026	0.0010	0.02500	0	102	85	115			
Selenium	0.026	0.0010	0.02500	0	103	85	115			
Thallium	0.013	0.00025	0.01250	0	104	85	115			
Uranium	0.013	0.00050	0.01250	0	102	85	115			

Sample ID: MB	SampType: MBLK	TestCode: EPA 200.8: Metals								
Client ID: PBW	Batch ID: A101815	RunNo: 101815								
Prep Date:	Analysis Date: 12/13/2023	SeqNo: 3753330 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Antimony	ND	0.0010								
Copper	ND	0.0010								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District
Project: Well 2 Start Up

Sample ID: LCSLL-TL	SampType: LCSLL	TestCode: EPA 200.8: Metals								
Client ID: BatchQC	Batch ID: A101815	RunNo: 101815								
Prep Date:	Analysis Date: 12/13/2023	SeqNo: 3753331							Units: mg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	ND	0.0010	0.0005000	0	95.1	50	150			

Sample ID: LCSLL	SampType: LCSLL	TestCode: EPA 200.8: Metals								
Client ID: BatchQC	Batch ID: A101815	RunNo: 101815								
Prep Date:	Analysis Date: 12/13/2023	SeqNo: 3753332							Units: mg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	0.0010	0.001000	0	96.0	50	150			

Sample ID: LCS	SampType: LCS	TestCode: EPA 200.8: Metals								
Client ID: LCSW	Batch ID: A101815	RunNo: 101815								
Prep Date:	Analysis Date: 12/13/2023	SeqNo: 3753333							Units: mg/L	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	0.022	0.0010	0.02500	0	86.2	85	115			
Copper	0.025	0.0010	0.02500	0	101	85	115			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District

Project: Well 2 Start Up

Sample ID: MB-79073	SampType: MBLK	TestCode: EPA Method 245.1: Mercury								
Client ID: PBW	Batch ID: 79073	RunNo: 101543								
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738468 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID: LCSLL-79073	SampType: LCSLL	TestCode: EPA Method 245.1: Mercury								
Client ID: BatchQC	Batch ID: 79073	RunNo: 101543								
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738469 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020	0.0001500	0	71.4	50	150			

Sample ID: LCS-79073	SampType: LCS	TestCode: EPA Method 245.1: Mercury								
Client ID: LCSW	Batch ID: 79073	RunNo: 101543								
Prep Date: 11/30/2023	Analysis Date: 12/1/2023	SeqNo: 3738470 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0047	0.00020	0.005000	0	94.3	85	115			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District
Project: Well 2 Start Up

Sample ID: MB-78809	SampType: MBLK	TestCode: SM 2540 C: Total Dissolved Solids								
Client ID: PBW	Batch ID: 78809	RunNo: 101234								
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3721535			Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: LCS-78809	SampType: LCS	TestCode: SM 2540 C: Total Dissolved Solids								
Client ID: LCSW	Batch ID: 78809	RunNo: 101234								
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3721536			Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	50.0	1000	0	102	80	120			

Sample ID: 2311792-001CDUP	SampType: DUP	TestCode: SM 2540 C: Total Dissolved Solids								
Client ID: Well #2	Batch ID: 78809	RunNo: 101234								
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3721541			Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	494	50.0						0.813	10	

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District

Project: Well 2 Start Up

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch ID: R101229	RunNo: 101229								
Prep Date:	Analysis Date: 11/15/2023	SeqNo: 3721347 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSW	Batch ID: R101229	RunNo: 101229								
Prep Date:	Analysis Date: 11/15/2023	SeqNo: 3721348 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.49	0.10	0.5000	0	98.9	90	110			
Chloride	4.8	0.50	5.000	0	96.3	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	98.3	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	90	110			
Sulfate	9.8	0.50	10.00	0	98.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District

Project: Well 2 Start Up

Sample ID: MB-78807	SampType: MBLK	TestCode: EPA Method 504.1: EDB/DBCP								
Client ID: PBW	Batch ID: 78807	RunNo: 101321								
Prep Date: 11/20/2023	Analysis Date: 11/20/2023	SeqNo: 3726754	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	0.020								
1,2-Dibromoethane	ND	0.010								

Sample ID: LCS-78807	SampType: LCS	TestCode: EPA Method 504.1: EDB/DBCP								
Client ID: LCSW	Batch ID: 78807	RunNo: 101321								
Prep Date: 11/20/2023	Analysis Date: 11/20/2023	SeqNo: 3726756	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.13	0.020	0.1000	0	129	70	130			
1,2-Dibromoethane	0.12	0.010	0.1000	0	123	70	130			

Sample ID: MB-78807	SampType: MBLK	TestCode: EPA Method 504.1: EDB/DBCP								
Client ID: PBW	Batch ID: 78807	RunNo: 101321								
Prep Date: 11/20/2023	Analysis Date: 11/20/2023	SeqNo: 3727228	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	0.020								
1,2-Dibromoethane	ND	0.010								

Sample ID: LCS-78807	SampType: LCS	TestCode: EPA Method 504.1: EDB/DBCP								
Client ID: LCSW	Batch ID: 78807	RunNo: 101321								
Prep Date: 11/20/2023	Analysis Date: 11/20/2023	SeqNo: 3727230	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	0.12	0.020	0.1000	0	124	70	130			
1,2-Dibromoethane	0.12	0.010	0.1000	0	121	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District

Project: Well 2 Start Up

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.5	0.50	2.500	0	99.4	70	130			
Carbon tetrachloride	2.7	0.50	2.500	0	109	70	130			
Chlorobenzene	2.4	0.50	2.500	0	94.1	70	130			
cis-1,2-Dichloroethene	2.5	0.50	2.500	0	101	70	130			
1,2-Dichlorobenzene	2.6	0.50	2.500	0	104	70	130			
1,4-Dichlorobenzene	2.7	0.50	2.500	0	108	70	130			
1,2-Dichloroethane	2.4	0.50	2.500	0	96.8	70	130			
1,1-Dichloroethene	2.5	0.50	2.500	0	98.1	70	130			
1,2-Dichloropropane	2.4	0.50	2.500	0	95.1	70	130			
Ethylbenzene	2.3	0.50	2.500	0	91.1	70	130			
Methylene chloride	2.4	0.50	2.500	0	96.4	70	130			
Styrene	2.3	0.50	2.500	0	90.6	70	130			
Tetrachloroethene	2.7	0.50	2.500	0	110	70	130			
Toluene	2.3	0.50	2.500	0	93.5	70	130			
trans-1,2-Dichloroethene	2.6	0.50	2.500	0	104	70	130			
1,2,4-Trichlorobenzene	2.2	0.50	2.500	0	89.3	70	130			
1,1,1-Trichloroethane	2.6	0.50	2.500	0	104	70	130			
1,1,2-Trichloroethane	2.4	0.50	2.500	0	96.3	70	130			
Trichloroethene	2.6	0.50	2.500	0	105	70	130			
Vinyl chloride	2.8	0.50	2.500	0	114	70	130			
Total Xylenes	7.7	0.50	7.500	0	102	70	130			
Surr: 1,2-Dichlorobenzene-d4	2.1		2.000		103	70	130			
Surr: 4-Bromofluorobenzene	2.2		2.000		110	70	130			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
1,2-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2-Dichloropropane	ND	0.50								
Ethylbenzene	ND	0.50								

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District
Project: Well 2 Start Up

Sample ID: mb	SampType: MBLK	TestCode: PURGEABLE ORGANICS by EPA 524								
Client ID: PBW	Batch ID: DW101257	RunNo: 101257								
Prep Date:	Analysis Date: 11/16/2023	SeqNo: 3723032 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methylene chloride	ND	0.50								
Styrene	ND	0.50								
Tetrachloroethene	ND	0.50								
Toluene	ND	0.50								
trans-1,2-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,1,1-Trichloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.50								
Trichloroethene	ND	0.50								
Vinyl chloride	ND	0.50								
Total Xylenes	ND	0.50								
Surr: 1,2-Dichlorobenzene-d4	1.7		2.000		83.4	70	130			
Surr: 4-Bromofluorobenzene	1.7		2.000		83.7	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311792

22-Dec-23

Client: Timberon Water and Sanitation District

Project: Well 2 Start Up

Sample ID: MB-78832	SampType: MBLK	TestCode: SM 9223B Total Coliform								
Client ID: PBW	Batch ID: 78832	RunNo: 101232								
Prep Date: 11/15/2023	Analysis Date: 11/16/2023	SeqNo: 3721445 Units: P/A								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Coliform	Absent	0								
E. Coli	Absent	0								

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Sample Log-In Check List

Client Name: **Timberon Water and** Work Order Number: **2311792** RcptNo: **1**

Received By: **Steve McQuiston** 11/15/2023 9:25:00 AM *SM*

Completed By: **Cheyenne Cason** 11/15/2023 12:36:09 PM *CC*

Reviewed By: *SM 11/15/23 @ 13:45*

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? *Client UPS NW 11/17/23*

Log In

3. Was an attempt made to cool the samples? Yes No NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
5. Sample(s) in proper container(s)? Yes No
6. Sufficient sample volume for indicated test(s)? Yes No
7. Are samples (except VOA and ONG) properly preserved? Yes No
8. Was preservative added to bottles? Yes No NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
10. Were any sample containers received broken? Yes No
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No *NW 11/17/23*
12. Are matrices correctly identified on Chain of Custody? Yes No
13. Is it clear what analyses were requested? Yes No
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: *7:1*
Adjusted? *NO*
Checked by: *SM 11/15/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: lab Date: 11/15/2023
By Whom: Cheyenne Cason Via: eMail Phone Fax In Person
Regarding: no email, project name, project manager, analysis request listed
Client Instructions: client will provide at later date, temporary Project name 'Well 2 Golf Course'

16. Additional remarks: *See Provided Info listed on COC - CMC 11/17/23*

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.5	Good	Not Present	Morty		

NMED NEW WATER SOURCES

~~3-40mL ascorbic acid VOAs~~

(w/ HCl dropper and instructions)

- 524_W: Volatile Organics in DW

~~1-1L glass amber unpreserved.~~

- COLOR: SM2120 B
- ODOR: SM2150 B

1-120mL Na₂S₂O₃ (certified clean w/ seal)

- Coliform: SM9223 B

2-500mL HDPE unpreserved

- 1 Bottle Fraction C
 - 300_W: Anions
 - F, NO₃, NO₂, Cl, SO₄
 - 2540_C_NELAC: TDS by SM2540 C
 - PH_W: SM4500-H⁺ B/EPA 9040C
- 1 Bottle Fraction L:
 - SURF: SM5540 C
 - CORR: Corrosivity by EPA 9045D

~~1-125mL HDP H₂SO₄~~

- 300_W: Anions
 - NO₂+NO₃ backup

1-250mL HDPE HNO₃

- 200.7: Metals by ICP
 - Al, Ba, Cd, Cr, Be, Fe, Mn, Ag, Zn
- 200.8_COMPLIANCE: Metals ICP/MS
 - Sb, As, Cu, Se, Tl, U
- 245.1: Mercury

~~1-500mL plastic amber NaOH~~

- CN_DW: Total CN in DW by EPA 335.4
(Fill amber halfway, shake then add NaOH then continue to fill)

~~4-1L HDPE HNO₃~~

- RADCM: Ra-226/228 by EPA 903.1/904.0
- ALBETA: Gross Alpha/Beta by EPA 900.0

1 Full SOC list

- (See page 21.)

Be sure to include a Trip Blank for 504.1LF and 524_W.