

WATER RESOURCES And WASTEWATER REPORT For Sterling Ranch Service Area

Updated February 2019 (Revised August 9, 2019)

Prepared By:



Executive Summary: Water Resources and Wastewater Report Sterling Ranch Metropolitan District #1 February 28, 2019

(Revised August 9, 2019)

The original Water Report for Sterling Ranch Metropolitan District #1 was prepared and submitted in May of 2015. Since that time, several addendums have been filed, additional service area has been added, and advancement of platting activities has proceeded as well as construction of the physical water system.

Sterling Ranch Metropolitan District #1 (SRMD#1) will be the primary water/wastewater provider for not only areas within Sterling Ranch, but The Retreat at TimberRidge and The Ranch have been added as service areas and will be served via an overlapping district or Intergovernmental Agreement with SRMD#1.

Water

Sterling Ranch has issued "hard" commitments for six preliminary and final plats which are contained within the original Sterling Ranch Preliminary Plan Phase One area. "Hard" commitments are those commitments based on actual entitled preliminary or final plats. Sketch plans do not rise to the level of land use detail that allows for quantitative identification of water demand. The Phase One area commitment includes 726 SFE and 255.96 AF 300 year. All of the six preliminary and final plats processed or being processed to date are contained within the original Phase One commitment area.

The Retreat at TimberRidge has submitted a preliminary plan that requires a commitment of 57.89 AF _{300 year} for 164 lots that will be served by the central system. The commitment is satisfied by 48.73 AF _{300 year} onsite water and 9.16 AF _{300 year} transferred from SRMD#1.

The Ranch will also be served by SRMD#1. The Ranch has onsite water equivalent to 245 AF $_{300 \text{ year}}$ but has not yet developed to either a preliminary or final plat stage so currently includes no active hard commitments. It should be noted that The Ranch and the 245 AF are within the Upper Black Squirrel Groundwater Basin and therefore the water must be used within The Ranch boundaries.

SRMD#1 has adequate supply on a 300 year basis to meet all current hard commitments including Homestead #2 and Copper Chase.

Wastewater

SRMD#1 has an agreement with Meridian Service Metropolitan District for the provision of wastewater treatment services. An **interim** agreement with Colorado Springs Utilities for wastewater treatment will provide for temporary treatment service while Sterling Ranch is completing its connections to the Meridian system. The current contract allows for up to 5849 SFE of capacity.

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SECTION 1 INTRODUCTION

The purpose of this report is to provide an accounting of current and contingent water rights and supply for Sterling Ranch Metropolitan District #1. This water report is for the Sterling Comprehensive Service Area which includes two additional service areas.

1.1 Development Description:

Sterling Ranch Development consists of approximately 1,444 acres located east of Vollmer Rd and north of Woodmen Rd, Section 33, Township 12 South, Range 65 West of the 6th P.M. Districts 1, 2 and 3 are considered Special Districts and are under the jurisdiction of the Special District Act

1,119 acres is designated for 5,225 residential units. 56.36 acres is designated for commercial use. 270 acres is designated for open space, greenways, trails, parks, and school sites.

The Retreat at TimberRidge has 164 single family lots that are anticipated to be served by the Central Sterling system. The Retreat at TimberRidge has a total of 41 Rural sized lots to be served by single family wells and septics. Although the Table for water supply notes the water resources for the rural component of the Retreat, we have not calculated that source nor that demand into the central system figures

The Ranch is on 610.47 acres and estimates a single family dwelling demand of between 1307 and 2179 units along with a Park and School. For the purpose of this report we will estimate the demand at 2100 SFE.

SECTION 2 PROJECTION OF WATER NEEDS

2.1 Expected Water User Characteristics:

It is expected that urban style residential lots will be developed with single family housing anticipating turf grass landscaping of less than 3,000 square feet per lot. There are a few larger irrigation users anticipated for the development. There are a limited number of schools, parks, and commercial acreages that we have converted to Single Family Equivalents (SFE). The unit user characteristic employed is consistent with Sterling and other developed areas in the Falcon area. That value is 0.353 AF per SFE annually.

2.2 Summary of Current Commitments

The current level of hard service commitments is summarized as follows. It should be noted that Sketch Plans, long term potential demands and other non-entitled levels of planning are not considered until such a time as land use planning advances to a stage that known land use is identified. Table 1 identifies the existing commitments for service.

<u>Table 1</u> <u>Committed Water Demands for Sterling Ranch Service Area</u>

Service Area	SFE	Water-Acre Feet per Yr
Sterling Ranch Phase One * (commitment dated May 2015)	725	255.96
The Retreat	164	57.9

Sterling Ranch Phase One includes the following plat areas;

- Branding Iron at Sterling Ranch Filing #1
- Sterling Ranch #2
- Homestead at Sterling Ranch Filing No 1
- Homestead at Sterling Ranch Filing No 2
- Copper Chase at Sterling Ranch Filing No 1

Total Annual Committed Demand of the Sterling Service Area is 313.86 Acre-Feet per Year

SECTION 3 PROPOSED WATER RIGHTS AND SYSTEM FACILITIES

3.1 Water Rights:

Water rights adjudications have been decreed by the State of Colorado, Water Division 2 District Court, Water Division 1 District Court, and the Colorado Groundwater Commission. The comprehensive rights for the Sterling Service area include both decrees, and determinations. In addition to groundwater adjudicated under the various service areas, Sterling has contracted for numerous off-site groundwater acquisitions which include three major sites.

Table 2 is a table detailing all of the water rights currently available for the Sterling Service Area.

The three local groundwater rights are associated with the three service area portions; Sterling, Retreat, and The Ranch. Each of these sites has existing decrees and/or determinations outlining the rights associated with the development lands. It is noteworthy that the Retreat proposes that 41 rural style lots will be developed using single family wells and septics. In Table 2, we have noted the rights associated with those proposed wells, but we have not included those rights in the calculations for water available to the central system.

Table 2

<u>Sterling Ranch Metropolitan District</u> <u>Comprehensive Water Supply Inventory</u> <u>Currently Available Supply</u>

	Finding/			Annual	Annual	Approved		Satur	
Land Formation/Aquifer	Determination/	Tributary	Volume	Allocation 100 Year	Allocation 300 Year	Well	Notes	Sand Thickness	Specifi Yield
г огтаноп/Aquiier	Decree	Status				Locaions		Inickness	Y ieid
		Currentl	Acre-Feet	A-F/Year n-Site Sterling	A-F/Year	Sources			
Laramie Fox Hills	86-CW-19	NT	53,900	539.00	179.67	KLF-1 - KLF-4	Under 1410 acres	255	15%
	08CW113	NT	40	0.40	0.13		Under 41.44 acres,		
							reduced to 1.44 acres		
Arapahoe	86-CW-18	NT	57500	575.00	191.67	KA-1 - KA-4	Under 1410 acres	240	17%
	<u>C</u>	urrently Avail	able On-Site	Elkhorn (The	Ranch) Wate	r Legal Sources			
Laramie Fox Hills		NT	17,000	170.00	56.67		646.029 acres		
_									
Arapahoe		NT	23600	236.00	78.67		646.029 acres		
Denver NNT		NNT	32900	329.00	109.67		646.029 acres		
Donterran			32,00	327.00	103.07		0.101025 deles	ĮĮ	
						a			
Laramie Fox Hills	17CW3002	NT		ite Retreat Wa	ter Legal Sou	rces (Note 1)	Under 225.97 acres	100	150/
LFH (Relinquishment)	18CW3002	NT NT	6,440 -2,796				Under 225.97 acres	190	15%
LFH (Reiniquishment)	18C W 3002	NI	3,644	36.44	12.15				
			3,044	30.44	12.13				
Arapahoe	17CW3002	NT	9,796	97.96	32.65		Under 225.97 acres	255	17%
-									
Laramie Fox Hills	16CW3095	NT	1,005	10.05	3.35		Under 35.28 Acres	190	15%
Arapahoe	16CW3095	NT	1,499				Under 35.28 Acres	250	17%
Arapahoe (Relinquishment)	16CW3095	NT	-1,324 175	1.75	0.58				
			173	1.75	0.56				
Legal Supply: Phase 3,									
Phase 4 (excluding Lots 39-41)			14,620	146.20	48.73	29 Single Family Wells			
Augmentation (Dawson NNT)	18CW3002	Aug	2,796	27.96	9.32	[Phase 2 (excluding Lots 11-	Replace a min of 34% of		
g,		11.0	_,		7.0-	12); Lots 39, 40 & 41 of			
Legal Supply: Phase 2					9.32	Phase 4; & 5]			
Augmentation (Dawson NNT)	16CW3095	Aug	1567.5	15.68	5.23		Replace actual depletions		
						g y			
Legal Supply Phase 1		Curr	ently Availal	hle Off-Site (5.23	(Phase 1) r Legal Sources			
Augmentation (Dawson NNT)	18CW3005 (Pending)		240.0	2.40	0.80	(Phase 2 - Lots 11 &12)	p pumping		
Augmentation (Dawson NN1)	18CW 3003 (Feliding)	Aug	240.0	2.40	0.80	(Thase 2 Lots II C(12)	pumping		
2)			240.0	2.4	0.8				
		Currently Av	ailable Off-Si	ite Sterling Wo	ıter Legal Soı	ırces (Bar-X)			
Laramie Fox Hills	93-CW-018	NT	55,200	552.00	184.00		Shamrock/Bar-x Rights	200	15%
otal Current Available 300-Year V	Water Supply				849.2	l			
Note 1.		and manage assill be	need to come	cinale femily	walls and is n	ot included in the Total Availal	ale for the Central System		

3.2 Analysis of Adequacy of Current Legal Water Supply:

Water rights adjudications have been decreed by the State of Colorado, Water Division 2 District Court, Water Division 1 District Court, and the Colorado Groundwater Commission. It should be noted that the rights have certain limitations in locations of use. The rights by area are as follows;

- Sterling on and off site rights- 555.47 AF _{300 year}
- Retreat at TimberRidge on site rights are 48.73 AF _{300 year}
- The Ranch on site rights- 245.0 AF _{300 year}

Of the Sterling rights, 9.16 AF $_{300 \text{ year}}$ have been committed to the Retreat Service Area, leaving a net Sterling on-site availability of 546.31 AF $_{300 \text{ year}}$.

The on-site rights underlying The Ranch are within the Upper Black Squirrel and are limited in use area to The Ranch and the Upper Black Squirrel Designated Basin. Therefore the 245.0 AF _{300 year} can only be used on the Ranch and not on Sterling ranch proper.

As of February 28, 2019, all of the Retreat water and 9.16 AF from Sterling are committed to the Retreat. As of February 28, 2019, of the net available 546.31 AF 300 year, 255.96 300 year, have been dedicated to Sterling Ranch Phase One which includes all of the existing preliminary and final plats to date.

This leaves a net uncommitted amount of water for the remainder of Sterling Ranch of 290.35 $_{300\,\mathrm{year.}}$

3.3 Source of Physical Supply:

Municipal water demand would be met using primarily Arapahoe and Laramie-Fox Hills formation wells in the Sterling area. The first well site will be drilled with an Arapahoe Well (A-1) and Laramie-Fox Hills Well (LFH-1). Well site #1 includes both an Arapahoe and a Laramie Fox Hills well. Permits will be obtained as needed to ultimately continue to add to the system as needed.

Off site water to the north of the Sterling Service Area is generally in the Denver and Arapahoe formations. Some Laramie Fox Hills water has been contracted for and can be either physically accessed or used to augment NNT water not otherwise counted in Table 2.

3.4 Water Quality and Treatment:

Appendix C contains the water quality reports for the initial wells drilled at Sterling Ranch. The quality is generally consistent with Denver Basin water typically encountered in the Falcon area. The water quality in these aquifers in this area has typically been suitable for potable use with the addition of iron and manganese treatment.

3.4 Water Storage, Distribution and Transmission Lines

An initial tank has already been constructed at the Sterling site.

For the purpose of fire protection, we recommend eight inch lines throughout the residential subdivision. The lines should be looped wherever street layout allows. A transmission line of a minimum of 18 inch diameter should be extended south-southwesterly along one of the major roadways from the storage tank into Phase One of the development.

3.5 Pumping for Service Pressures:

Ground elevations within the development service area range from approximately 6,970 to 7,320. Adequate service pressures are generally considered 60 psi for residential service. The tank site is on the Sterling property at a base elevation of approximately 7,310 feet which would be capable of supplying acceptable service pressures to ground elevations of approximately 7,190. Initial development is anticipated to be at elevations below 7,190 so the tank site will be able to provide adequate pressure.

As development construction progresses, the SRMD #1District plans to construct the northern transmission line to bring in the off-site water contracted for. Because the storage tanks are located at a high elevation, there is substantial pressure for residential service and fire flow for initial development of Sterling Ranch and all of The Ranch.

SECTION 4 WASTEWATER AND WASTEWATER TREATMENT

4.1 Wastewater Contract and Treatment

The Sterling Ranch Metropolitan District has a perpetual contract with the Meridian Service Metropolitan District (MSMD) for the provision of wastewater treatment. The contract allows for the purchase of up to 5849 SFEs of wastewater capacity from MSMD. Wastewater projections are based on similar District historical use developed in the Falcon area. Average daily wastewater loads are expected to be roughly 172 gallons per day per single family residence.

Interim Wastewater Treatment Services will be provided by Colorado Springs Utilities for up to one year while Sterling Ranch is completing its connection to the Meridian System. A copy of that agreement is attached.

From Table 1, the total committed wastewater taps are identical to those designated for water, which is 164 for the Retreat and 725 for Sterling Ranch. Consequently, Sterling has significant uncommitted capacity for wastewater.

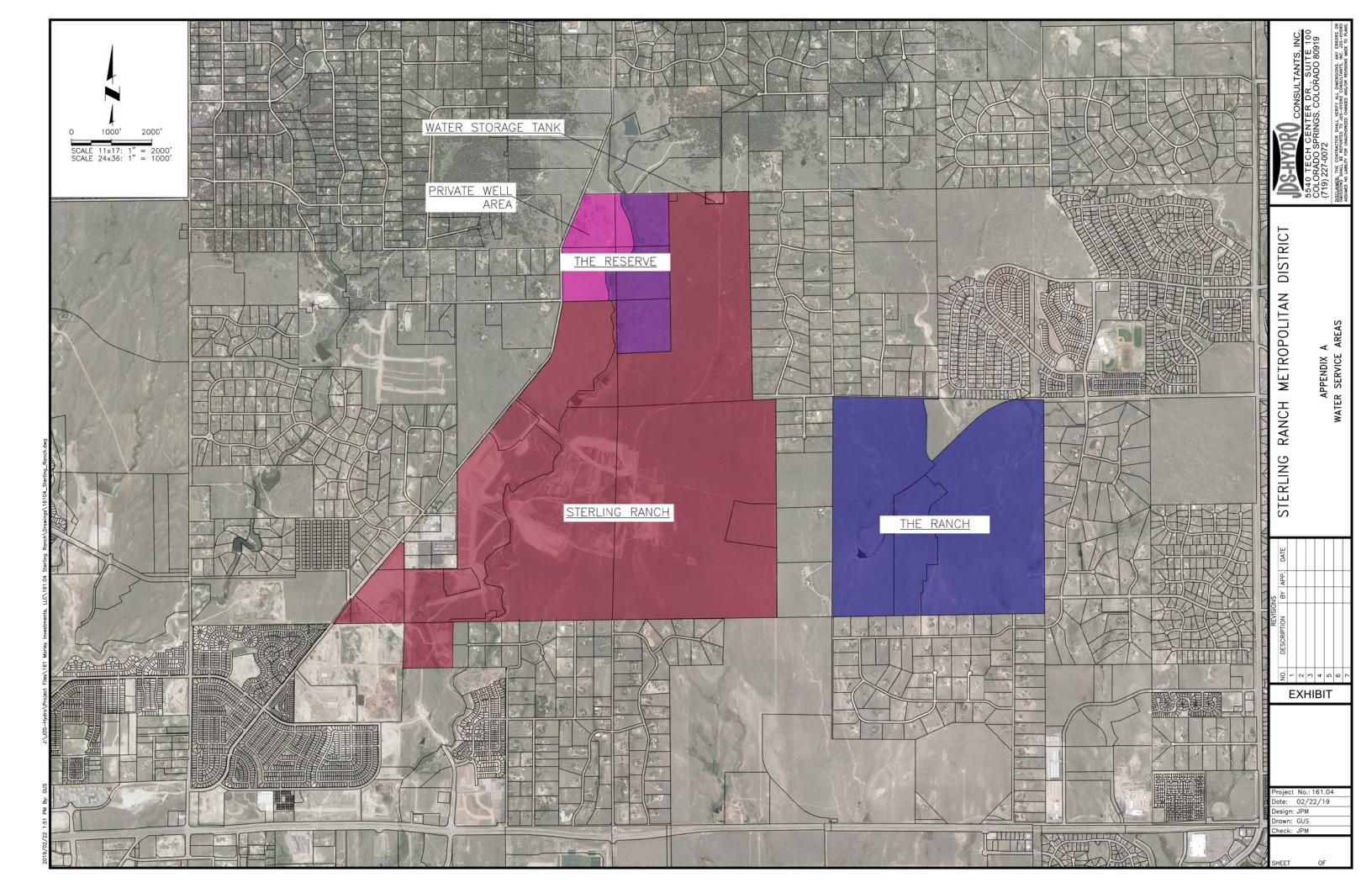
4.2 Wastewater Collection and Pumping

All lands to be developed within the Sterling Ranch and the Retreat areas will gravity feed to the southern portion of the Sterling site. This will be the main

collection point for most of the entire future development as well. Sterling is completing construction of the Lift Station and Force Main to serve the area. The force main is constructed across the lower portion of The Ranch. From this point wastewater is intercepted by Meridian Service Metropolitan District.

4.3 Wastewater Treatment

MSMD owns 2.2 million gallons per day of wastewater capacity in the Black Squirrel Wastewater Facility. The plant operator, Cherokee Metropolitan District (CMD) has already approved connections, and systems associated with transport and treatment. MSMD and CMD are in compliance with their current COC issued by the Colorado Department of Public Health and Environment.



	Si	ummary of Exi	isting Available	e Supplies
			Acre-Feet 300 -	
	Existing Available Supplies summarized from From Table 2		Year UBS *	
	The Ranch Onsite (UBS)		245.00	
	Sterling Ranch Onsite	371.47		Onsite
ar	Sterling Ranch Offsite	184.00		LFH from Bar -X
E	Commit to Retreat	-9.16		
Summary				
Supply		546.31		
ф				
9				
Water	Retreat Onsite (Central System Only) **	48.73		
>	Commit from Sterling Ranch			
		57.89		
	Sterling Ranch Metropolitan District #1	Total AF	849.20	

	Sterling Ranch Metropolitan District #1 Total AF 849.20 Analysis of Water Commitments												
	D]	Preliminary Com	mitments		Final Commitme	nts						
	Development	Commitment SFE	Supply / Commitment Acre-Feet	Letter or Summary Date	Commitment SFE	Commitment Acre-Feet	Letter or Summary Date						
Supply	Retreat Available Supply from Above		57.89										
Commitments	The Retreat at TimberRidge Preliminary Plan (Central System Only) Final #1	164	-57.89	April 2018 Report									
Remaining Excess	Excess Supply for Retreat at TimberRidge Service Area		0.00										
Supply	Sterling Ranch Available Supply from Above		546.31										
	Sterling Ranch Preliminary Plan Phase One Tract BB (10.545) Branding Iron at Sterling Ranch Filing No. 1 Tract K (18.881) Branding Iron at Sterling Ranch Filing No. 2		-255.96	May 2015 Report/Summary	51	17.85	Summary and Letter						
Commitments	Sterling Ranch Filing #1 Sterling Ranch Filing #2 Tract G (19.574) Homestead at Sterling Ranch Filing No. 1 Tract E (29.658) Homestead at Sterling Ranch Filing No. 2 Copper Chase at Sterling Ranch Filing No. 1				0 49 72	0 17.296 25.416	Tracts Only Summary and Letter						
						60.562							
Excess Supply	Excess Un-committed Water Supply for Sterling Ranch Service		290.35										
Supply	The Ranch Available Supply from Above		245.00										
Commitments	The Ranch Preliminary Plan There are no Preliminary plans yet filed in The Ranch	0	0										
Remaining Excess	The Ranch Service Area		245.00										

General Note 1. The Sterling Ranch Metropolitan District #1 is slated to serve multiple service areas through either IGA, overlapping Districts, or bulk service. Therefore, water accounting is performed on a comprehensive basis to assure that the District has adequate resources to provide for all service. Supplies are compared above within each separate service areas because certain water rights have limited use areas.

General Note 2; Commitments are not hard commitments until Preliminary Plan, No Sketch plans are considerd here

General Note 3; If a final plat/plan is included in a preliminary plan or plat that has designated a commitment, the final plat is only summed against the original committed water

 $^{{\}bf *Water\ derived\ from\ within\ the\ UBS\ cannot\ be\ applied\ outside\ the\ UBS\ without\ separate\ export\ order.}$

^{**} Tabulation and supply for Retreat Private wells is noted on Table 2 for information only, it is not included as commitment or supply for central system purposes.



Sample Date: 2/16/17

Inorganic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS 4300 Cherry Creek Drive South, Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revised 6/13/2014

Section I (Supplied or Completed by Public Water System) Section II (Supplied or Completed by Certified Laboratory) **Public Water System Information Certified Laboratory Information** PWSID#: CO-0121724 Laboratory ID: CO 0015 System Name: LFH-1 Laboratory Name: Colorado Analytical Laboratory Contact Person: Mark Volle Phone #: 719-227-0072 Contact Person: Customer Service Phone: 303-659-2313 Comments: Comments: Do Samples Need to be Composited BY THE LAB? Section III (Supplied or Completed by Public Water System)

Collector: Stephanie Schwe Facility ID (On Schedule): Sample Pt ID (On Schedule): Section IV Inorganic Chemicals (Completed by Certified Laboratory) Lab Receipt Lab Analysis Lab Sample II) Analyte Name CAS No. Analytical MCI. Lab MRL Result Date Date Method (mg/L) (mg/L)(mg/L)2/17/17 2/17/17 170217005-01 Fluoride 7681-49-4 **EPA 300.0** 0.09 1.07

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL, A less than (<) may also used.

mg/L: Milligrams per Liter

MCL: Maximum Contaminant Level



Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Report To Indianant			
Report To information	Bill Fo Information (If different from report to)	State Form / Project Information	
Company Name: TDS-Hydro	Company Name: SP White		1
Contact Name Mark Volle	Contact Name: Jim Morley	PWSID: Co - DI 21724 System Name:	2
Address:	7	LFH-1	F
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Address: 20 BOULDER CRESCENT ST

City COLO State CO Zip GOP 03

Bill To Information (if different from report to)

Company Name: SR WATER

Phone:

Contact Name: JTM MORLEY

Report To Information

Company Name: JOS HYDRO

Contact Name: MARK VOLLE

SULTIFE 300

Phone: 719-227-0072 Fax:

Address: 545 E. BOKES PEAK AND

CityColo SPGS State CO Zip \$0903



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab 12860 W. Cedar Dr. Suite 100A Lakewood CO 80228

Phone: 303-659-2313

www.coloradolab.com

Fax: 303-659-2315

Email: Mar Myalle @ jashydro. con Email: jmorley@ 3870@aol.com Compliance Samples: Yes No Please At State forms Sampler Name: STEPH SCHWENKE PO No.: Send Forms to State: Yes No CAL Task No. PHASE I, II, V Drinking Water Analyses (check analysis) Subcontract Analyses 170217005 CO 50000 Total Coliform P/A TOC, DOC (Circle) 504.1 EDB/DBCP 4 Dioxane 531.1 Carbamates SUVA, UV 254 (Circle) (mg/L) P/A Samples Only 515.4 Herbicides 505 Pests/PCBs 525.2 SOCs-Pest Gross Alpha/Beta No. of Containers Residual Chlorine Alk./Lang. Index 547 Glyphosate 548.1 Endothall J. Pege 3.pt 524.2 TTHMs 552.2 HAA5s ARF Lead/Copper 549.2 Diquat Radium 226 Radium 228 Inorganics Nitrate Date Time Client Sample ID / EP Code 8.3 411 9:50 3 S14 本ノス 9342 414 3340 #15 416 514) 4114 赴19 12 Instructions: C/S Info: 504Blank Seals Present Yes No N Headspace Yes No Date/Time: 2:150 Referred by: C/Ice \ Sample Pres. Yes No [C/S Charge Relinquisted By: Relinquished By: Date/Time: Received By:

State Form / Project Information

Address: NE 4 NW 4 527

County: EL PASO

System Name:

LFH-1

PWSID: CO-0121724

T125 RG5W 67 PM

CityCOLO SPGS StateCO Zip 80908



Inorganic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

IOC

<u> </u>		or Completed by Pub Water System Inform		Section II (Supplied or Completed by Certified Laboratory) Certified Laboratory Information										
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		170217005-01A 170217005-01A			EPA 200.8	0.1	0.001	0.001						
2/17/17	2/22/17		Chromium	7440-47-3	EPA 200.8 EPA 200.8	0.1 0.002	0.0001	BDL						
2/17/17 2/17/17	2/22/17 2/22/17	170217005-01A	Chromium Mercury	7440-47-3 7439-97-6	EPA 200.8 EPA 200.8 EPA 200.8	0.1 0.002 N/A	0.0001 0.001	BDL 0.001						
2/17/17 2/17/17 2/17/17	2/22/17 2/22/17 2/22/17	170217005-01A 170217005-01A	Chromium Mercury Nickel	7440-47-3 7439-97-6 7440-02-0	EPA 200.8 EPA 200.8	0.1 0.002	0.0001	BDL						

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter

MCL: Maximum Contaminant Level



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Report To Information	The state of the s		· ·
	Bill To Information (If different from report to)	State Form / Project Information	
Company Name: TDS-Hydro	Company Name: SP Water		
		PWSID: CO- 0121724	
Contact Name: Mark Volle	Contact Name: Jim Morley	System Name:	
	3	LFH-1	
Address: 545 E. P. Ves Peak Ave	Address: 20 Boulder Crescentst	Address:	
	20 Boulder Crescentst	Address: 14 NW 1/4 527	-
		TIDS RESW 16th PH	
City CS State OZin 80903	(1) ((2) (2)		
City CS StateCOZip 80903	City ColoSociete COZip 80903	City Colo Spg State CD Zip 80908	1
Phone: 719-227-0072-ax:		13	۸.
Phone: 11 7 88 1900 (SFax:	Phone: Fax:	County: El Pasa	CE PO
Fmail: Davalla 60: 101 day	1, 307	100	Т ,
Email: Mvolle@jashydro.com	Email: 1 morety 50 logad.com	Compliance Samples: Yes No.	
Samula 20 d	3	81	
Sampler Name: Sepanne Schwenke	PO No.:	Send Forms to State: Yes No X	
CAL Task No.	Phone: Fax: Email: jmorety 3870@ad.com PO No.:		
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CAL Task No. 170217005	ec						P	HAS	E I,	П, ч	V Dr	inki	ng V	Vate	r An	alys	es (c	heci	i an	alysi	s)		130	-	Sul	eo a	ract	Anal	yses
ARF	•:	of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	4		de	nics	ang. Index	Tochoc (Circle)	UV 254 (Circle)	chals	Gross Alpha/Beta	n 226	n 228		Uranium
Date Time	Client Sample ID / EP Code	No o	Residual Chlo (mg/L) P/A Samples	Total	504.1	505 F	515.4	524.2	525.2	531.1	547 G	548.1	549.2	524.2	552.2	Lead/(Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang.		SUVA, 1	med	Gross ,	Radium 226	Radium 228	Radon	Uranium
7:31	#	3			X										\neg													\dashv	-
7.2	#2	3				X																						\dashv	-
9.30	#3	A., 7								X											*							\dashv	\dashv
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13253	<u>#5</u>	\$ 50													\dashv	$\neg \uparrow$	X'	π	X	\neg	X					-		\dashv	
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3/52	#10						_	\neg				X		\dashv	-+	-						\vdash	-	,	\dashv			\dashv	\dashv
Instructions:) .		<u>(1488) (1</u> 584 - 158				- <u>-</u> -			Info:	F		ley	(F (1)		N		1			\((A				No E	
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Bill To Information (If different from report to)

Company Name: SR WATER

Contact Name: JTM MORLEY

Report To Information

Company Name: JDS HYDRO

Contact Name: MARK VOLLE



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab

Address: 545 E. BOKES PEAK AND Address: 20 BOULDER CRESCENT ST Address NE 4 NW 4 527 12860 W. Cedar Dr. Suite 100A SULCTRE 300 T125 RG5W 6T PM Lakewood CO 80228 CityCan SP65 State CO Zip \$0903 City COLO State COZID GOP 03 CityCOLO SPGS StateCO Zip 80908 Phone: 303-659-2313 Phone: 719-227-0072 Fax: Fax: 303-659-2315 Phone: County: EL PASO Email: Mar Myalle @ jashydro. con Email: jmorle 40 3870@aol. con Compliance Samples: Yes (No) www.coloradolab.com Please on State forms Sampler Name: STEPH SCHWENKE PO No.: Send Forms to State: Yes No M CAL Task No. PHASE I, II, V Drinking Water Analyses (check analysis) Subcontract Analyses 170217005 Col Down TOC, DOC (Circle) 4 Dioxane 504.1 EDB/DBCP SUVA, UV 254 (Circle) 531.1 Carbamates 515.4 Herbicides 525.2 SOCs-Pest P/A Samples Only 505 Pests/PCBs No. of Containers Residual Chlorine 547 Glyphosate 548.1 Endothall Total Coliform J. J. Page 3, p! 524.2 TTHMs 552.2 HAA5s ARF 549.2 Diquat Lead/Copper Radium 226 Radium 228 Inorganics Uranium Nitrate Date Time Client Sample ID / EP Code 2116 8:31 411 3 9:50 3 412 9:01 出る #14 16 3340 #15 8:44 416 4114 419 13 Instructions: C/S Info: Seals Present Yes No N Headspace Yes No N 504 Blank 48 Delivered Via: C/S Charge or °C/Ice V Sample Pres. Yes No [Date/Time: 2:150 Referred by: Relinguisted By: Date/Time: Relinquished By: Date/Time:

State Form / Project Information

System Name:

LFH-1

PWSID: CO-0121724



Lab Control ID: B16917 Received: Feb 17, 2017 Reported: Mar 20, 2017 Purchase Order No.

None Received

Customer ID: 20040H Account ID: Z01034 Project #: 009-616

ANALYTICAL REPORT

Stuart Nielson Colorado Analytical Laboratories, Inc.

L	ab San	ple ID	B16917-001												
Custom	er Sam	iple ID	170217005-	01 - Lfh-1 - F	PWSID: CO	0121724 - LFH-1									
	sampled on 02/16/17 @ 0906 by Stephanie Schwenke														
	Precision* Detection Analysis														
Parameter		Code	Result	+/-	Limit	Method	Date / Time	Analyst							
Gross Alpha	pCi/L	T	0.0	0.0	1.5	SM 7110 B	3/2/17 @ 0840	LD							
	pCI/L	T	0.0	2.1	2.2	SM 7110 B	3/2/17 @ 0840	LD							
	pCI/L	T	0.0	0.2	0.1	SM 7500-Ra B	3/3/17 @ 0825	LD							
	pCi/L	T	0.0	0.8	8.0	EPA Ra-05	3/14/17 @ 1257	JR							
Radon	pCi/L	T	345	25	13.9	SM 7500-Rn B	2/17/17 @ 1500	AN							

Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10265; NJ CO008; NYSELAP (NELAC Certified) 11417; RI LAO00284; WI 998376610, TX T104704256-15-6

Codes: (T) = Total (D) = Dissolved (S) = Susspended (R) = Total Residual (PD) = Potentially Dissolved <= Less Than

[&]quot;Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

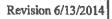


Radionuclides Certified Laboratory Report Form

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us



RAD

	Section 1	(Supplied or Completed by Pu	ıblic Water System)	Section II (Supplied or Completed by Certified Laboratory)									
	Pt	iblic Water System Information	n		Certified La	boratory Inform	nation						
PWS ID: CO01	21724			Laboratory ID: C	O 00008								
System Name: I	_fh-1			Laboratory Name	: Hazen Research, Inc.								
Contact Person		···	Phone #:	Contact Person: J	lessica Axen		Phone #: 303-	-279-4501					
Comments:													
Section III (Supplied or Completed by Public Water System)													
Sample Date: 02/16/2017 Collector: Stephanie Schwenke Facility ID (On Schedule): Sample Pt ID (On Schedule):													
			Section IV Radionuclides (S	upplied or Comp	oleted by Certified Laborate	ory)							
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code) CAS No. Analytical MCL Method				MCL	Lab MRL	Result				
02/17/2017	03/02/2017	B16917-001	Gross Alpha Including Ur	anium (4002)	12587-46-1	SM 7110 B	N/A	1.5	0.0(±0.0)				
02/1//201/	05/02/2017	210717-001	Combined Uranium	(4006)	7440-61-1	D2907-97	30 นอ/L						
02/17/2017	03/03/2017	B16917-001	Radium -226 (4	020)	13982-63-3	SM 7500-Ra B	N/A	0.1	0.0(±0.2)				
02/17/2017	03/14/2017	B16917-001	Radium -228 (4		15262-20-1	EPA Ra-05	N/A	0.8	0.0(±0.8)				
02/17/2017	03/02/2017	B16917-001	Gross Beta (41		12587-47-2	SM 7110 B	50 pCi/L*	2.2	0.0(±2.1)				
			Total Dissolved Solid			EPA 160.3	N/A						
*The MCL fo	r Gross Beta Pa	article Activity is 4 mrem/yea	r. Since there is no simple c	onversion betwe	en mrem/year and pCi/L	EPA considers	50 pCi/L to b	e the level	of concern.				
			Section V Calculated V	alues									
	N	/A	Gross Alpha Excluding U	ranium (4000)	Calculated Va	lue	15 pCi/L	N/A					
	4.4	(# L	Combined Radium {-226 &	& -228} (4010) Calculated Value 5 pCi/L N/A									

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter pCi/L: Picocuries per Liter

MCL: Maximum Contaminant Level

Report To Information	Bill To Information (If different from report to)	State Form / Project Information
Company Name: Colorado Analytical Contact Name: Stuart Nielson	Company Name: Same As Report To Contact Name:	PWSID: CO0121724 System Name: Lfh-1
Address: 240 S. Main St.	Address:	System Address: Ne 1/4 Nw 1/4 527
City: Brighton State: CO Zip: 80601	City: State: Zip:	T125 R65w 6th Pm City: Colorado Spgs State: CO Zip: 80908
Phone:303-659-2313 Fax:303-659-2315	Phone: Fax:	County: El Paso
Email: stuartnielson@coloradolab.com	Email:	Compliance Samples: Yes 🛭 No 🗌
Sampler Name: Stephanie Schwenke	PO No.:	Send Forms to State: Yes No

Colorado Analytical

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 101 Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

denal Chora Sample: Sa	Jang. Index DOC (Circle) UV 254 (Circle) Alpha/Beta m 226 m 228	lyses
	. Index C (Circle) 54 (Circle) ha/Beta ba/Beta	
Date Time Client Sample ID / EP Code 0.0 1.5 2.5	Alk./Lang. I. TOC, DOC (SUVA, UV 254 Gross Alpha Radium 226 Radium 228 Radium 228	Uranium
02/16/17 0906 170217005-01 LFH-1 6 0 0 0 0 0 0 0 0 0 0 0 0 0		1 🗆
L FROM BOTTLES		
		111
To: Hazur PEC!	ant Yes \(\) No \(\) Headspace Yes \(\) No \(\) HAZEN	
Delivered Via: Fed Ex SID C/S Charge Temp. °C Relinquished By: Date/Time: Received By: Date/Time: Refej	C /Ice Sample Pres. Yes No	
Relinquished By: Date/Time: Received By: Date/Time: Relinquished By: Date/Time: Relinquished By: Date/Time: Relinquished By:	eiyel By: Date/Time: 14	130



Analytical Results

TASK NO: 170217005

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water

20 Boulder Crescent St. Colorado Springs CO 80903

Task No.: 170217005

Client PO:

Client Project: LFH-1 CO-0121724

Date Received: 2/17/17

Date Reported: 3/6/17

Matrix: Water - Drinking

Customer Sample ID LFH-1
Sample Date/Time: 2/16/17

Lab Number: 170217005-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	155.5 mg/L as CaCO3	SM 2320-B	0.1	2/20/17	VDB
Calcium as CaCO3	6.3 mg/L	SM 3111-B	0.1	2/24/17	MBN
Carbonate	4.0 mg/L as CaCO3	SM 2320-B	0.1	2/20/17	VDB
Langelier Index	-0.43 units	SM 2330-B		2/24/17	SAN
pН	8.44 units	SM 4500-H-B	0.01	2/17/17	MBN
Temperature	20 °C	SM 4500-H-B	1	2/17/17	MBN
Total Alkalinity	159.5 mg/L as CaCO3	SM 2320-B	0.1	2/20/17	VDB
Total Dissolved Solids	458 mg/L	SM 2540-C	5	2/23/17	ISG

Abbreviations/ References:

Mt. = Minimum Level = LRL = RL
mg/L = Milligrams Per Litter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 m/s = Most Probable Number Index/ 100 m/s
Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 AFax: 303-659-2315

www.coloradolab.com

Report To Information Bill To Information (If different from report to) State Form / Project Information Company Name: JDS-Hudro Company Name: PWSID: (0- 0121724 Contact Name Name System Name: Address: 545 E. P. Ves Peak Ave Address: NE 1/4 NW 1/4 State Co Zip 80903 25StateCOZip 80903 Phone: 719-227-0072-ax: Phone: Fax: Email: i morety 2870 addition Compliance Samples: Yes No. Sampler Name: 🔀 Schwenke PO No.: Send Forms to State: Yes No X

CAL Task No. 170217005							P	HAS	E I,	Į1, \	/ Dr	inki	ng V	Vate	r Au	alys	es (c		(ans	ilysi:	5)		174		Sut	con	ract	Anal	lyses
ARF Date Time	Client Sample ID / EP Code	No. of Containers	Residual Chilorine (mg/L.) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbanates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC DOC (Circle)	SUVA, UV 254 (Circle)	metals	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
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>252																	X'	X	X		X								
1256	#6	3																		\neg								X	
9:22		2																T				X			_		_		
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9454				X				\dashv	\perp		_																		
Instructions:	#10	1						_				X												J					
Relinquished By:	Date/Time: 13-150 Receive	ed Hy:	2 W		Date/	Time 11	Ösci		Deliv	ered		ed By	Je y			:/S Ch Date/			Tem	1	- 01	C/lce	N	l,	aple F		es 🗆 Yes 🕽 'ime/	1	

Bill To Information (If different from report to)

Company Name: SR WATER

Contact Name: JTM MORLEY

Report To Information

Company Name: JOS HYDRO

Contact Name: MARK VOLLE



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab

Address: SYS E. BOKES PEAK AND Address: 20 BOULDER CRESCENT ST NEW NO 4 527 12860 W. Cedar Dr, Suite 100A SUMME 300 T125 RG5W 6T PM Lakewood CO 80228 CityColo SP65 State CO Zip \$0903 City COLO State COZip 80903 CityCOLO SPGS StateCO Zip 80908 Phone: 303-659-2313 Phone: 719-227-0072 Fax: Fax: 303-659-2315 Phone: County: EL PASO Email: Mor Myalle @ jdshydro, con Email: jmorle4@ 3870@anl.comCompliance Samples: Yes No www.coloradolab.com Plense to State forms Sampler Name: STEPH SCHWENKE PO No.: Send Forms to State: Yes No M CAL Task No. PHASE I, II, V Drinking Water Analyses (check analysis) Subcontract Analyses 170217005 C9. 2000 Total Coliform P/A TOC, DOC (Circle) 504.1 EDB/DBCP 515.4 Herbicides DIOXANE SUVA, UV 254 (Circle) 531.1 Carbamates Residual Chlorine (mg/L) 525.2 SOCs-Pest 505 Pests/PCBs No. of Containers 547 Glyphosate 548.1 Endothall Jok age Act **524.2 TTHMs** 552.2 HAA5s Lead/Copper ARF 549.2 Diquat Radium 226 Radium 228 Inorganics Uranium Nitrate Date Time Client Sample ID / EP Code 1 8:31 411 3 9:50 3 614 9:01 出る 9343 414 16 3340 8144 416 #17 419 13 Instructions: C/S Info; +) 504Blank Seals Present Yes No No Headspace Yes No Delivered Via: O C/Ice V Sample Pres. Yes No [C/S Charge Relinquisted By: Date/Time: Received By: Relinquished By: Date/Time: Received By:

State Form / Project Information

System Name:

LFH-1

PWSID: CO-0121724



Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

NOX

	Section I	(Supplied or Complet)		Section II (Supplied or Con	pleted by Cer	rtified La	boratory)	
		Public Water Syst	em Informati	on				Certified Labo	ratory Infor	mation		
PWSID	#: CO-0121724	1				Laborato	ry ID: CO 0015	5				
System	Name: LFH-1				<u> </u>	Laborato	ry Name: Color	ado Analytical I	aboratory			
Contact	Person: Mark	Volle		Phone #: 719	9-227-0072	Contact I	Person: Custom	er Service	Phone:	303-659-2	2313	
Comme	nts:					Commen	nts:					
Se	ction III (Suppl	ied or Completed by F	ublic Water S	ystem)				d or Completed	by Certified L	aborator	y)	
Sample Date	Collector	Facility ID On Schedule	Public Water S Sample Pt II) On Schedule	ystem) Confirmation?	Lab Receipt Date			d or Completed	by Certified L Analytical Method	aborator	y) Lab MRI. (mg/L)	Result (mg/L)
Sample		Facility ID On Schedule	Sample Pt II)	*		Sect	tion IV (Supplie		Analytical	MCL	Lab MRI.	Result (mg/L)

NT: Not Tested

Lab MRI.: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRI. A less than (<) may also used.

mg/L: Milligrams per Liter

MCI: Maximum Contaminant Level



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Phone: 303-659-2313 AFax: 303-659-2315

www.coloradolab.com

Report To Information Bill To Information (If different from report to) State Form / Project Information Company Name: TDS-Hudro PWSID: (0- 0121724 Contact Names Vark Contact Name: 3 System Name: Address 45 E. Piles Peak Ave Address: 14 NW1/4 527 Swite 300 StateCOZip 80903 25 State COZin 80903 Phone: 719-227-0072-ax: Phone: Fax: County: Email: i morety 3870 ad com Compliance Samples: Yes No. Sampler Name: Send Forms to State: Yes No X

CAL Task No.							i fojeto. Srida	P	HAS	E I,	n, v	/ Dr	inkiı	ng W	ate	An	alyse			ans	lysis	s)		1774		Sub	coni	ract	Ana	lyses
170217005 ARF Date Fime	Client Sample ID	EP-Code	of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	5 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHIMS	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC DOC (Circle)	SUVA, UV 254 (Circle)	metads	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
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9630	#3			7.4						_	X	_	_	_	_		4			_										
3.54						_							_		_		_								X					L
3253									_	_	_	_		_	_	_	_	X'	X	X		X								
1:00	#6	7.	3									\dashv	\dashv											-			.]		X	
9:22	#7		2						_			_	_			_							X							
8346	#8				- 6					X				_	_															
9354					X				\dashv	_	_	_			_		\perp													
Instructions:	#10		, b									\bot	X						1											
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Address: 20 BOULDER CRESCENT ST

City COLO State COZip GOR 03

Bill To Information (If different from report to)

Company Name: SR WATER

Phone:

Contact Name: JTM MORLEY

Report To Information

Company Name: JDS HYDRO

Contact Name: MARK VOLLE

SUMME 300

Address: SYS E. BOKES PEAK AND

CityColo SP65 State CO Zip \$0903



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab 12860 W. Cedar Dr. Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

Phone: 719-227-0072 Fax: County: EL PASO www.coloradolab.com Email: Mar Myalle @ joshydro, con Email: jmorley@ 3870@anl.com Compliance Samples: Yes & No Please to State forms Sampler Name: STEPH SCHWENKE PO No.: Send Forms to State: Yes No M CAL Task No. PHASE I, II, V Drinking Water Analyses (check analysis) Subcontract Analyses 170217005 Total Coliform P/A TOC, DOC (Circle) 4 Dioxane 504.1 EDB/DBCP 515.4 Herbicides SUVA, UV 254 (Circle) 531.1 Carbamates Residual Chlorine (mg/L) P/A Samples Only Gross Alpha/Beta 525.2 SOCs-Pest Pests/PCBs Alk./Lang. Index No. of Containers 548.1 Endothall 547 Glyphosate 524.2 TTHMs 552.2 HAA5s 549.2 Diquat Lead/Copper ARF Radium 226 Radium 228 Inorganics Uranium Nitrate Date Time Client Sample ID / EP Code 505 216 8:31 411 3 3 614 サノン 9342 #17 514) #18 9214 #19 Instructions: 504 Blank C/S Info: Seals Present Yes No N Headspace Yes No N 400 Delivered Via: C/S Charge Sample Pres. Yes X No Date/Time: 2:150 Received By: Relinguistéd By: Date/Time: 000 Relinquished By: Date/Time:

State Form / Project Information

NE 4 NW 4 527

System Name:

LEH-1

PWSID: CO-0121724

T125 R65W 6T PM

CityCOLO SPGS StateCO Zip 80908



Organic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

VOC/SOC

Section I (Supplied or Comple Public Water Syst		Section II (Supplied or Completed by Certified Laboratory) Certified Laboratory Information
PWSID#: CO-0121724		Laboratory ID: CO 00063
System Name: LFH-1		Laboratory Name: Colorado Analytical Laboratory
Contact Person: Mark Volle	Phone #: 719-227-0072	Contact Person: Customer Service Phone: 303-659-2313
Comments:	Do Samples Need to be Composited BY THE LAB?	Comments:

PWSID#; CO-01	21724			Section V (Supplied or Completed by	Public Water System)				
Sample Date: 2/	16/17	Collector:	Stephanie S	Schwenk Facility ID (On Schedule):		Pt ID (On Schedule):			
			Section VI	Synthetic Organic Chemicals (Supplied o					
Lab Receipt Date	Lab Analysis Date	Lab Sa	ample ID	Analyte Name	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
2/17/17	2/24/17	170217	7005-01E	Dibromochloropropane	96-12-8	EPA 504.1	0.2	0.02	BDL
2/17/17	3/1/17	170217	7005-01G	2,4,-D	94-75-7	EPA 515.4	70	0.1	BDL
2/17/17	3/1/17	170217	7005-01G	2,4,5-TP	93-72-1	EPA 515.4	50	0.2	BDL
2/17/17	2/23/17	170217	7005-01H	Alachlor	15972-60-8	EPA 525.2	2.	0.2	BDL
2/17/17	3/2/17	17021	7005-011	Aldicarb	116-06-3	EPA 531.1	N/A	0,6	BDL
2/17/17	3/2/17	17021	7005-011	Aldicarb sulfone	1646-88-4	EPA 531.1	N/A	1	BDL
2/17/17	3/2/17	17021	7005-01T	Aldicarb sulfoxide	1646-87-3	EPA 531.1	N/A	0.7	BDL
2/17/17	2/23/17	170217	7005-0111	Atrazine	1912-24-9	EPA 525.2	3	0.1	BDL.
2/17/17	2/23/17	170217	7005-01H	Benzo(a)pyrene	50-32-8	EPA 525.2	0.2	0.02	BDL
2/17/17	3/2/17	17021	7005-011	Carbofuran	1563-66-2	EPA 531.1	40	0.9	BDL
2/17/17	2/24/17	170217	7005-01F	Chlordane	57-74-9	EPA 505	2	0.2	BDL
2/17/17	3/1/17	170217	005-01G	Dalapon	75-99-0	EPA 515.4	200	1	BDL
2/17/17	2/23/17	170217	005-01H	Di(2-ethylhexyl)adipate	103-23-1	EPA 525.2	400	0.6	BDL
2/17/17	2/23/17	170217	005-01H	Di(2-ethylhexyl)phthalate	117-81-7	EPA 525.2	6	0.6	BDI.
2/17/17	3/1/17	170217	005-01G	Dinoseb	85-85-7	EPA 515.4	7	0.2	BDL
2/17/17	2/23/17	170217	005-01K	Diquat	85-00-7	EPA 549.2	20	0.4	BDL
2/17/17	2/23/17	170217	7005-01J	Endothall	145-73-3	EPA 548.1	100	9	BDL
2/17/17	2/24/17	170217	7005-01F	Endrin	72-20-8	EPA 505	2	0.01	BDL
2/17/17	2/24/17	170217	/005-01E	Ethylene dibromide	106-93-4	EPA 504.1	0.05	0.01	BDL
2/17/17	2/23/17	170217	005-01H	Heptachlor	76-44-8	EPA 525,2	0.4	0.04	BDL
2/17/17	2/24/17	170217	7005-01F	Heptachlor epoxide	1024-57-3	EPA 505	0.2	0.02	BDL

NT: Not Tested ug/L: Micrograms per Liter MCL: Maximum Contaminant Level BDL Below Laboratory MRL A less than sign (<) may also be used.

170217005-01

PWSID#: CO-01	21724			Section V (Supplied or Completed by	Public Water System)				
Sample Date: 2/	16/17	Collector:	Stephanie Sch	wenk Facility ID (On Schedule):		t ID (On Schedule):	1		
			Section VI Syr	nthetic Organic Chemicals (Supplied o					
Lab Receipt Date	Lah Analysis Date		ample ID	Analyte Name	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
2/17/17	2/24/17	170211	7005-01F	Hexachlorobenzene	118-74-1	EPA 505	I	0.1	BDL
2/17/17	2/24/17	17021	7005-01F	Hexachlorocyclopentadiene	77-47-4	EPA 505	50	0.1	BDL
2/17/17	2/24/17	17021	7005-01F	Lindane	58-89-9	EPA 505	0.2	0,02	BDL
2/17/17	2/24/17	17021	7005-01F	Methoxychlor	72-43-5	EPA 505	40	0.1	BDL
2/17/17	3/2/17	17021	7005-011	Oxamyl	23135-22-0	EPA 531.1	200	1	BDL
2/17/17	3/1/17	170217	7005-01G	Pentachlorophenol	87-86-5	EPA 515.4	1	0.04	BDL
2/17/17	3/1/17	170217	7005-01G	Picloram	1918-02-1	EPA 515.4	500	0,1	BDL
2/17/17	2/24/17	170211	7005-01F	Polychlorinated biphenyl's	1336-36-3	EPA 505	0.5	0.1	BDL
2/17/17	2/23/17	170217	7005-01H	Simazine	122-34-9	EPA 525.2	4	0.07	BDL.
2/17/17	2/24/17	17021	7005-01F	l'oxaphene	8001-35-2	EPA 505	3	1 1	BDL.



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Report To Information		State Form / Project Information	
Company Name: TDS-Hydro	Company Name: SPubler		
Contact Name: Mark Volle	Contact Name: Jim Morley	PWSID: Co - DI 21724 System Name:	
	3	164-1	
Address: 45 & Piles Peak Ave	Address: 20 Boulder CrescentSt	Address: NE 1/4 NW 1/4 527	
Suite 200		TIZS RESW 6 TAPH	
City CS StateCOZip 80903	CIC (to SNO-2		
	City ColoSpessateCOzip 80903	City Colo Segs State CD ZINSDGOS	
Phone: 719-227-0072Fax:	Phone: Fax:	County: FI Pasa	Ca Cal
Email: Mvolle@jdshydro.com	Phone: Fax: Email: j morety 3870 ad. com PO No.:	Complete Samuel V. Marie Name	Le Le
Sanday Sad Sad	J. C.	Companince Samples: Yes A No.	- <i>ح</i> ر
Sampler Name: Septence Schwenk	PO No.:	Send Forms to State: Yes No K	W.
CAL Task No.			

CAL Task No.	•	-			-	24 744.7	<i>p.</i> 27	7	12					-:	G				<u> </u>	•									
170217005	-21						P	HAS	E I,	П, \	/ Dr	inki	ng Y	Vate	r An	alys	es (c	heci	ans	ilysis)		4.5		Sut	con	ract	Anal	yses
ARF	Client Sample ID / EP Co	ap.	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	Tochoc (Circle)	SUVA, UV 254 (Circle)	metals	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium
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Bill To Information (If different from report to)

Company Name: SR WATER

Contact Name: JTM MORLEY

Report To Information

Company Name: JDS HYDRO

Contact Name: MARK VOLLE



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab Lakewood CO 80228

Address: SYS E. BOKES PEAK AND Address: 20 BOULDER CRESCENT ST Address NE 4 NW 4 527 12860 W. Cedar Dr, Suite 100A SULTIFE 300 T125 RG5W 6T PM CityColo SP65 State CO Zip \$0903 City COLO State Co Zip 80903 CityCOLO SPGS StateCO Zip 80808 Phone: 303-659-2313 Phone: 719-227-0072 Fax: Fax: 303-659-2315 Phone: County: EL PASO Email: Mar Mvalle @ joshydro, con Email: jmorley@ 3870@aol.com Compliance Samples: Yes No www.coloradolab.com Please A state forms Sampler Name: STEPH SCHWENKE PO No.: Send Forms to State: Yes No M CAL Task No. PHASE I, II, V Drinking Water Analyses (check analysis) 170217005 Subcontract Analyses 100 5000 Total Coliform P/A TOC, DOC (Circle) 504.1 EDB/DBCP 1,4 Dioxane SUVA, UV 254 (Circle) Residual Chlorine (mg/L) P/A Samples Only 531.1 Carbamates 515.4 Herbicides 525.2 SOCs-Pest 505 Pests/PCBs No. of Containers Gross Alpha/Beta Alk./Lang. Index 547 Glyphosate 548.1 Endothall TO REDE ADI 524.2 TTHMs 552.2 HAA5s ARF 549.2 Diquat Lead/Copper Radium 226 Radium 228 Inorganics Nitrate Date Time Client Sample ID / EP Code 8:31 411 33 9:50 412 出る 9342 4414 3340 #15 8144 416 9219 419 12 Instructions: C/S Info: 504Blank Seals Present Yes 🗌 No 🚺 Headspace Yes 🔲 No 🔲 せら Date/Time: 2:15 Reveived By: Delivered Via: OC/Ice Sample Pres. Yes No [] C/S Charge Temp. Relinquisted By: Date/Time: Relinquished By: Date/Time:

State Form / Project Information

System Name:

LFH-1

PWSID: CO-0121724



Analytical Results

TASK NO: 170217005

Report To: Mark Voile

Company: JDS Hydro Consultants 545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water

20 Boulder Crescent St. Colorado Springs CO 80903

Task No.: 170217005

Client PO:

Client Project: LFH-1 CO-0121724

Date Received: 2/17/17 Date Reported: 3/6/17

Matrix: Water - Drinking

Customer Sample ID LFH-1

Sample Date/Time: 2/16/17 Lab Number: 170217005-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Chloride	5.8 mg/L	EPA 300.0	0.1 mg/L	2/17/17	LJG
Cyanide-Free	< 0.005 mg/L	EPA 335.4	0.005 mg/L		VDB
E-Coli	< 1 mpn/100ml	Colilert	1 mpn/100mi		VDB
Sulfate	·	EPA 300.0	0.1 mg/L		ЫG
Total Coliform	142.1 mg/L	Colliert	1 mpn/100ml		VDB
	93 mpn/100ml		•		ISG
Total Organic Carbon	0.8 mg/L	SM 5310-C	0.5 mg/L		
Turbidity	2.49 NTU	SM 2130-B	0.01 NTU	2/17/17	MBN
<u>Total</u>					
Aluminum	0.053 mg/L	EPA 200.8	0.001 mg/L	2/22/17	TCD
Calcium	2.5 mg/L	EPA 200.7	0.1 mg/L	2/22/17	MBN
Соррег	0.0026 mg/L	EPA 200.8	0.0008 mg/L		TCD
iron	0.602 mg/L	EPA 200.7	0.005 mg/L		MBN
Lead	0.0005 mg/L	EPA 200.8	0.0001 mg/L		TCD
Magnesium	0.39 mg/L	EPA 200.7	0.02 mg/L		MBN
Manganese	0.0259 mg/L	EPA 200.8	0.0008 mg/L		TCD
Potassium	1.6 mg/L	EPA 200.7	0.1 mg/L		MBN
Silver	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L		TCD
Strontium	0.037 mg/L	EPA 200.8	0.005 mg/L		TCD
Total Hardness	7.7 mg/L as CaCO3	SM 2340-B	0.1 mg/L as CaCO3		MBN
Uranium	< 0.0002 mg/L	EPA 200.8	0.0002 mg/L		TCD
Zinc	0.002 mg/L	EPA 200.8	0.001 mg/L		TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L = Micrograms Per Liter or PPB mpn/100 mis = Most Probable Number Index/ 100 mis Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY



Analytical Results

TASK NO: 170217005

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley Company: SR Water

20 Boulder Crescent St.

Colorado Springs CO 80903

Task No.: 170217005

Client PO:

Client Project: LFH-1 CO-0121724

Date Received: 2/17/17

Date Reported: 3/6/17

Matrix: Water - Drinking

Customer Sample ID LFH-1
Sample Date/Time: 2/16/17

Lab Number: 170217005-01

 Test
 Result
 Method
 ML
 Date Analyzed
 Analyzed By

 Tote/ Zinc
 0.005 mg/L
 EPA 200.8
 0.001 mg/L
 2/22/17
 TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Report To Information			- 1
Report To Information	Bill To Information (if different from report to)	State Form / Project Information	-
Company Name: TDS-Hudro	Company Name: SP Water		,
Contact Name Mark Volle	Contact Name: Jim Mirley	PWSID: Co- DI 21724 System Name:	2
Address:	3	LFH-1	F
Address Es P. Ves Peak Ave	Address: 20 Boulder CrescentSt	NE 1/4 NW 1/4 527	Ī
Suite 300		TIDS RESW 16th PM	1
City CS StateCOZip 80903	CIC (A. SAGET		1
	City Colo Socsstate COzip 80903	City Colo Spas State CD ZINSD908	P
Phone: 719-227-0072-8x:	Phone: Fax:	County: El Paso	OB PS F
Email: Mvolle@jdshydro.com	Email: jmorely 3870 ead. com		- A
Sampler Name: Septance Schwerk	PO No.:	Send Forms to State: Yes No X	>
CAL Task No.			

CAL Task No. 170217005							P	HA	E L	II,	V Di	inki	ing V	Vate	r Ar	alys	es (c	heci	(an	alysi	5)	<u> </u>			Sul	bcont	ract	Anal	Vers	ાટે
ARF Date Time	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate			524.2 TTHMs		Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk/Lang. Index	CDOC (Circle)	VA, UV 254 (Circle)	chals	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium	PRIGE 3 914C
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Drinking Water Chain of Custody

Bill To Information (If different from report to)

Company Name: SR WATTER

Contact Name: JTM MORLEY

Report To Information

Company Name: JDS HYDRO

Contact Name: MARK VOLLE



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

Address	-									LFI	4 ~ .	L									DIII	,iicon	ı, cc	J OUG	JUL			
Address: SYS E. BOXES PE	AK ANE Address	"20 Bo	W.D	ER		res	ŒN	15	τ A	Addre NE	28 X4	N	3 44	5	27	-							od La					
SUTTE 300													651				<u> </u>				1286 Lak	iO W ewor	/. Ce od C	dar I O 80	Dr, 8 1228	Suite	100	A
CityCon SPGS State CO Zip &O	903 City Co	10 965	Stat	e C	Zip	80	903	3					_SSt					8					303-6					
Phone: 719-227-0072 Fax:	Phone:				Fax	:							PASC										3-6 5 9					
Email: mar mulle a jobsh	Jaco con Emaile	imacle	کارد	a 🔏											<u> </u>			\dashv			wwy	v.coi	lorad	<u>iolab</u>).con	n		
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Sampler Name: STEPH SCHWEN	JKE PO No.:								S	end E	orms	to St	ate: Y	es E	No.	Z _	*		المعم	esu	74.	ر ج	مصدر					
CAL Task No.				,		Pi	HAS	E I,	₽ĭ, \	V Dr	inki	ng V	ater	An	alyśc	s (cl	hecl	k ans	ılysi:	s)				Sub	cont	ract A	Analy	/ses
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	g g	aine Only	TH P	BC	B	ides	3	Pest	nates	ate	ial		so.					123		dex	Circ	Circle	3	Beta				
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Date Time Client Sample ID /	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	160 DOMES	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride Lus Aler	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	1,4 bloxane	Gross Alpha/Beta	Radium 226	Radium 228	Rudom Cyampide	Uranium
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State Form / Project Information

LFH-1

PWSID: Co-0121724
System Name:

Billings, MT 800.735.4489 • Casper, WY 888.235.0515

College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

ANALYTICAL SUMMARY REPORT

March 02, 2017

Colorado Analytical Laboratories inc PO Drawer 507 Brighton, CO 80601

Work Order:

C17020566

Quote ID: C4542 - 624, 625, 1,4-Dioxane

Project Name:

170217005 LFH-1 CO-0121724

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 2/21/2017

for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C17020566-001	170217005-01 LFH-1	02/16/17 0:00	02/21/17	Drinking Water	Azeotropic Distilation Separatory Funnel Liquid-Liquid Ext Semi-Volatile Organic Compounds 624-Purgeable Organics Volatile Compounds by Azeotropic Distillation

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Digitally signed by Randy Horton

Date: 2017.03.02 10:49:28 -07:00

Billings, MT 800.735.4489 • Casper, WY 888.235.0515

College Station, TX 888.690.2218 - Gillette, WY 866.686.7175 - Helena, MT 877.472.0711

CLIENT: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Report Date: 03/02/17

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170217005 LFH-1 CO-0121724

Lab ID:

C17020566-001

Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17

Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

Analyses	Result	Units Q	ualifiers RL	MCL/ QCL	Method	Analysis Date / By
VOCS BY AZEOTROPIC DISTILLATIO	N					
1,4-Dioxane	ND	ug/L	1.0		SW8260M	02/27/17 11:16 / eli-b
 Analysis by direct aqueous injection of the sar quantitate the 1,4-Dioxane and account for any 	nple distillate. A	deuterated versi	on of 1,4-Dioxane wation.	as added to th	e sample prior	
VOLATILE ORGANIC COMPOUNDS						
Acetone	ND	ug/L	20		E624	02/24/17 19:19 / eli-b
Acetonitrile	ND	ug/L	20		E624	02/24/17 19:19 / eli-b
Acrolein	ND	ug/L	20		E624	02/24/17 19:19 / eli-b
Acrylonitrile	ND	ug/L	20		E624	02/24/17 19:19 / eli-b
Benzene		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Bromobenzene	ND	ug/L	1.0		E624	02/24/17 19:19 / ell-b
Bromochioromethane	ND	ug/L	1.0		E624	02/24/17 19:19 / eli-b
Bromodichloromethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Bromoform		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Bromomethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Carbon disulfide		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Carbon tetrachloride		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Chlorobenzene		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Chlorodibromomethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Chloroethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
2-Chloroethyl vinyl ether		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Chloroform		ug/L	1.0		E624	02/24/17 19:19 / eli-b
Chloromethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
2-Chlorotoluene		ug/L	1.0		E624	02/24/17 19:19 / eli-b
4-Chlorotoluene		ug/L	1.0		E624	02/24/17 19:19 / eli-b
1.2-Dibromoethane		ug/L	1.0		E624	
Dibromomethene		_	1.0		E624	02/24/17 19:19 / eli-b
1,2-Dichlorobenzene		ug/L			E624	02/24/17 19:19 / eli-b
1,3-Dichlorobenzene		ug/L	1.0 1.0		E624	02/24/17 19:19 / eli-b
1,4-Dichlorobenzene		ug/L				02/24/17 19:19 / eli-b
Dichlorodiflucromethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
1.1-Dichloroethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
1.2-Dichloroethane		ug/L	1.0		E624	02/24/17 19:19 / eli-b
		ug/L	1.0		E624	02/24/17 19:19 / eli-b
1,1-Dichloroethene		ug/L	1.0		E624	02/24/17 19:19 / eli-b
cls-1,2-Dichloroethene		ug/L	1.0		=624	02/24/17 19:19 / ell-b
trans-1,2-Dichloroethene	ND I		1.0		=624	02/24/17 19:19 / eli-b
1,2-Dichloropropane	ND t		1.0		624	02/24/17 19:19 / eli-b
1,3-Dichloropropane	ND (_	1.0		E624	02/24/17 19:19 / eli-b
2,2-Dichloropropane	ND t		1.0		E624	02/24/17 19:19 / eli-b
1,1-Dichloropropene	ND t	-	1.0		E624	02/24/17 19:19 / eli-b
cis-1,3-Dichloropropene	ND (_	1.0		E624	02/24/17 19:19 / eli-b
trans-1,3-Dichloropropene	ND (-	1.0		E624	02/24/17 19:19 / eli-b
Ethylbenzene	ND (ug/L	1.0	E	E624	02/24/17 19:19 / eli-b

RL - Analyte reporting limit.

Report Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc 170217005 LFH-1 CO-0121724

Project: Lab ID:

C17020566-001

Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17

Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

Amalueae	Dani. M	Haita	Qualifica	D it	MCL/ QCL Method	Analysis Data / De-
Analyses	Result	Units	Qualifiers	RL.	QCL Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS						
Methyl tert-butyl ether (MTBE)	ND	ug/L	2	2.0	E624	02/24/17 19:19 / eli-l
Methyl ethyl ketone	ND	ug/L	:	20	E624	02/24/17 19:19 / eli-l
Methyl isobutyl ketone	ND	ug/L		10	E624	02/24/17 19:19 / eli-t
Methylene chloride	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-l
Naphthallene	ND	ug/L	0	.50	E624	02/24/17 19:19 / eli-l
Styrene	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-t
Tetrachloroethene	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-l
1,1,1,2-Tetrachloroethane	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L	1	1.0	E624	02/24/17 19:19 / ell-t
Toluene	ND	ug/L	1	1.0	E624	02/24/17 19:19 / ell-b
Trichioroethene	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-t
1,1,1-Trichloroethane	ND	ug/L		1.0	E624	02/24/17 19:19 / eli-b
1,1,2-Trichloroethane	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-b
Frichlorofluoromethane	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-b
1,2,3-Trichloropropane	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-t
/inyl Acetate	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-t
/inyl chloride	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-b
n+p-Xylenes	ND	ug/L	1	1.0	E624	02/24/17 19:19 / eli-b
-Xylene	ND	ug/L		1.0	E624	02/24/17 19:19 / eli-t
Kylenes, Total		ug/L		1.0	E624	02/24/17 19:19 / eli-b
Surr: 1,2-Dichloroethane-d4		%REC		-139	E624	02/24/17 19:19 / eli-b
Surr: p-Bromofluorobenzene		%REC		-127	E624	02/24/17 19:19 / eli-b
Surr: Toluene-d8	94.0	%REC	80-	-123	E624	02/24/17 19:19 / eli-b
SEMI-VOLATILE ORGANIC COMPOU	NDS					
Acenaphthene	ND	ug/L		10	E625	02/27/17 19:27 / eli-b
Acenaphthylene	ND	ug/L		10	E625	02/27/17 19:27 / eli-b
Anthracene	ND	ug/L		10	E625	02/27/17 19:27 / eli-b
Zobenzene		ug/L		10	E625	02/27/17 19:27 / eli-b
Benzidine		ug/L		10	E625	02/28/17 13:13 / eli-b
Benzo(a)anthracene		ug/L		10	E625	02/27/17 19:27 / eli-b
Benzo(a)pyrene		ug/L		10	E625	02/27/17 19:27 / eli-b
Benzo(b)fluoranthene		ug/L		10	E625	02/27/17 19:27 / eli-b
Benzo(g,h,i)perylene		ug/L		10	E625	02/27/17 19:27 / eli-b
Benzo(k)fluoranthene		ug/L		10	E625	02/27/17 19:27 / eli-b
-Bromophenyl phenyl ether		ug/L		10	E625	02/27/17 19:27 / eli-b
Butylbenzyiphthalate		ug/L		10	E625	02/27/17 19:27 / eli-b
-Chloro-3-methylphenol		ug/L ug/L		10	E625	02/27/17 19:27 / eli-b
is(-2-chloroethoxy)Methane		ug/L		10	E625	02/27/17 19:27 / eli-b
pis(-2-chloroethyl)Ether		ug/L		10	E625	02/27/17 19:27 / eli-b
vis(2-chloroisopropyl)Ether		ug/L		10	E625	02/27/17 19:27 / eli-b
2-Chloronaphthaiene		ug/L ug/L		10	E625	02/27/17 19:27 / eli-b
OTHER REPUBLISHED	ND	ωB⊁ ⊏		i V	E020	02121111 18.21 1 ell-0

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.



College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170217005 LFH-1 CO-0121724

Lab ID:

C17020566-001

Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17 Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL Me	thod	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPO	PUNDS				_		-
4-Chlorophenyl phenyl ether	ND.	ug/L		10	E6:	25	02/27/17 19:27 / eli-b
Chrysene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-t
Diethyl phthalate	ND	ug/L		10	E6:		02/27/17 19:27 / eli-t
Di-n-butyl phthalate	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-k
1,3-Dichlorobenzene	ND	ug/L		10	E6:		02/27/17 19:27 / ell-t
1.4-Dichlorobenzene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-t
3,3'-Dichlorobenzidine	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
2,4-Dichlorophenol	ND	ug/L		10	E6:		02/27/17 19:27 / ell-b
Dimethyl phthalate	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
Di-n-octyl phthalate	ND	ug/L		10	E6:		02/27/17 19:27 / eli-t
Dibenzo(a,h)anthracene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
2,4-Dimethylphenol	ND	ug/L		10	E6:		02/27/17 19:27 / eli-t
4,6-Dinitro-2-methylphenol	ND	ug/L		50	E6:		02/27/17 19:27 / eli-k
2,4-Dinitrophenol	ND	ug/L		50	E6:		02/27/17 19:27 / eli-b
2.4-Dinitrotoluene	ND	ug/L		10	E6:		02/27/17 19:27 / ell-b
2,6-Dinitrotoluene	ND	ug/L		10	E6:		02/27/17 19:27 / e(i-k
pis(2-ethylhexyl)Phthalate	ND	ug/L		10	E6:		02/27/17 19:27 / eli-t
Fluoranthene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
Fluorene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
Hexachlorobenzene	ND	ug/L		10	E62		02/27/17 19:27 / eli-b
-lexachlorobutadiene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		10	E62		02/27/17 19:27 / eli-b
Hexachloroethane	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
ndeno(1,2,3-cd)pyrene	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
sophorone	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
-Nitrosodiphenylamine	ND	ug/L		10	E62		02/27/17 19:27 / eli-b
2-Nitrophenol	ND	ug/L		10	E6:		02/27/17 19:27 / eli-b
4-Nitrophenol	ND	ug/L		50	E62		02/27/17 19:27 / eli-b
Naphthalene	ND	ug/L		10	E62		02/27/17 19:27 / eli-b
Vaprataiono	ND	ug/L		10	E62		02/27/17 19:27 / eli-b
Pentachiorophenol	ND	ug/L		50	E62		02/27/17 19:27 / eli-b
Phenanthrene		ug/L		10	E62		02/27/17 19:27 / eli-b
Phenol		ug/L		10	E62		02/27/17 19:27 / eli-b
Pyrene		ug/L		10	E62		02/27/17 19:27 / eli-b
1.2.4-Trichiorobenzene		ug/L		10	E62		02/27/17 19:27 / eli-b
2,4,6-Trichlorophenol		ug/L		10	E62		02/27/17 19:27 / eli-b
Surr: 2-Fluorobiphenyi		%REC		28-107	E62		02/27/17 19:27 / eli-b
Surr: 2-Fluorophenol		%REC		20-56	E62		02/27/17 19:27 / eli-b
Surr: Nitrobenzene-d5		%REC		32-94	E62		02/27/17 19:27 / eli-b
Surr: Phenol-d5		%REC		19-45	E62		02/27/17 19:27 / eli-b

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project: Lab ID: 170217005 LFH-1 CO-0121**724** C17020566-001

Client Sample ID: 170217005-01 LFH-1

470047005 04 | 51

Report Date: 03/02/17

Collection Date: 02/16/17 DateReceived: 02/21/17

Matrix: Drinking Water

Analyses	Result Units	Qualifiers I	MCL/ RL QCL Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPO	DUNDS			
Surr: Terphenyl-d14	69.0 %REC	32	122 E625	02/27/17 19:27 / eli-b
			122 E625 130 E625	02/27/17 19:27 / eli-b 02/27/17 19:27 / eli-b

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624	···						An	alytical Run:	R275391
Lab ID: ccv022417	Continuing Ca	ilibration Veri	fication Standa	ırd				02/24	l/17 09:51
Acetone	40.8	ug/L	20	82	70	130			
Acetonitrile	60.0	ug/L	20	120	70	130			
Acrolein	59.2	ug/L	20	118	70	130			
Acrylonitrile	46.4	ug/L	20	93	70	130			
Benzene	4.80	ug/L	0.50	96	70	130			
Bromobenzene	4,56	ug/L	0.50	91	70	130			
Bromochloromethane	4.64	ug/L	0.50	93	70	130			
Bromodichloromethane	4.08	ug/L	0.50	62	70	130			
Bromoform	4.08	ug/L	0.50	82	70	130			
Bromomethane	5.56	ug/L	0.50	111	70	130			
Carbon disulfide	4.80	ug/L	0.50	96	70	130			
Carbon tetrachloride	3.70	ug/L	0.50	74	70	130			
Chiorobenzene	4.80	ug/L	0.50	96	70	130			
Chlorodibromomethane	4.32	ug/L	0.50	86	70	130			
Chloroethane	4.88	ug/L	0.50	98	70	130			
2-Chloroethyl vinyl ether	3.07	ug/L	1.0	61	70	130			S
Chloroform	4.36	ug/L	0.50	87	70	130			
Chloromethane	4.60	ug/L	0.50	92	70	130			
2-Chlorotoluene	4.84	ug/L	0.50	97	70	130			
4-Chlorotoluene	4.80	ug/L	0.50	96	70	130			
1,2-Dibromoethane	4.40	ug/L	0.50	88	70	130			
Dibromomethane	4.60	ug/L	0.50	92	70	130			
1,2-Dichlorobenzene	4.72	ug/L	0.50	94	70	130			
1,3-Dichlorobenzene	4.84	ug/L	0.50	97	70	130			
1,4-Dichlorobenzene	4.76	ug/L	0.50	95	70	130			
Dichlorodifluoromethane	3.87	ug/L	0.50	77	70	130			
1,1-Dichloroethane	4.40	ug/L	0.50	88	70	130			
1,2-Dichloroethane	3.78	ug/L	0.50	76	70	130			
1,1-Dichloroethene	4.20	ug/L	0.50	84	70	130			
cis-1,2-Dichloroethene	4.72	ug/L	0.50	94	70	130			
trans-1,2-Dichloroethene	4.64	ug/L	0.50	93	70	130			
1,2-Dichioropropane	5.20	ug/L	0.50	104	70	130			
1,3-Dichloropropane	4.64	ug/L	0.50	93	70	130			
2,2-Dichloropropane	3.92	ug/L	0.50	78	70	130			
1,1-Dichloropropene	4.40	ug/L	0.50	88	70	130			
cis-1,3-Dichloropropene	4.56	ug/L	0.50	91	70	130			
trans-1,3-Dichloropropene	4.04	ug/L	0.50	81	70	130			
Ethylbenzene	4.84	ug/L	0.50	97	70	130			
Methyl tert-butyl ether (MTBE)	3.68	ug/L	0.50	74	70	130			
Methyl ethyl ketone	42.8	ug/L	20	86	70	130			
Methyl isobutyl ketone	45.6	ug/L	20	91	70	130			
Methylene chloride	5.44	ug/L	0.50	109	70	130			
Naphthalene	4.88	ug/L	0.50	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Work Order: C17020566

Project: 170217005 LFH-1 CO-0121724

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E624							Ar	nalytical Run:	R275391
Lab ID:	ccv022417	Continuing Ca	alibration Verifica	tion Standa	ard				02/24	/17 09:51
Styrene		4.76	ug/L	0.50	95	70	130			
Tetrachloro	ethene	4.60	ug/L	0.50	92	70	130			
1, 1, 1, 2-Tetr	achloroethane	4.24	ug/L	0.50	85	70	130			
1, 1,2,2-Tetr	achloroethane	4.96	ug/L	0.50	99	70	130			
Toluene		4.96	ug/L	0.50	99	70	130			
Trichloroeth	ene	4.80	ug/L	0.50	96	70	130			
1,1,1-Trichle	proethane	3.75	ug/L	0.50	75	70	130			
1,1,2-Trichle	proethane	4.76	ug/L	0.50	95	70	130			
Trichlorofluc	promethane	3.34	ug/L	0.50	67	70	130			S
1,2,3-Trichic	oropropane	4.20	ug/L	0.50	84	70	130			
Vinyl Acetat	le	4.56	ug/L	1.0	91	70	130			
Vinyl chlorid	le	4.84	ug/L	0.50	97	70	130			
m+p-Xylene	\$	9.76	ug/L	0.50	98	70	130			
o-Xylene		4.76	ug/L	0.50	95	70	130			
Xylenes, To	tal	14.5	ug/L	0.50	97	70	130			
Surr: 1,2-	Dichloroethane-d4			0.50	74	71	139			
Surr: p-Bi	romofluorobenzene			0.50	88	80	127			
Surr: Tolu	lene-d8			0.50	92	80	123			
Method:	E624								Batch:	R275391
Lab ID:	cs022417	Laboratory Co	ntroi Sample			Run: 5971/	A.I_170224A		02/24	/17 10:31
Acetone		41.6	ug/L	20	83	55	144			

Method: E624							Batch: R275391
Lab ID: cs02241	7 Laboratory C	ontroi Sample		F	Run: 5971A.l_	170224A	02/24/17 10:31
Acetone	41.6	ug/L	20	83	55	144	
Acetonitrile	60.4	ug/L	20	121	54	142	
Acrolein	49.6	ug/L	20	99	16	233	
Acrylonitrile	46.0	ug/L	20	92	76	127	
Benzene	4.96	ug/L	0.50	99	73	122	
Bromobenzene	4.76	ug/L	0.50	95	74	129	
Bromochloromethane	4.64	ug/L	0.50	93	66	120	
Bromodichloromethane	4.44	ug/L	0.50	89	74	128	
Bromoform	4.36	ug/L	0.50	87	66	128	
Bromomethane	5.76	ug/L	0.50	115	51	123	
Carbon disulfide	4.92	ug/L	0.50	98	46	145	
Carbon tetrachloride	3.80	ug/L	0.50	76	75	125	
Chiorobenzene	4.92	u g /L	0.50	98	80	123	
Chlorodibromomethan	4.64	u g /L	0.50	93	74	125	
Chloroethane	5.04	ug/L	0.50	101	59	142	
2-Chloroethyl vinyl ethe	2.74	ug/L	1.0	55	36	144	
Chloroform	4.40	ug/L	0.50	88	68	124	
Chloromethane	4.64	ug/L	0.50	93	53	146	
2-Chiorotoluene	5.04	ug/L	0.50	101	75	131	
4-Chlorotoluene	4.68	ug/L	0.50	94	74	129	
1,2-Dibromoethane	4.40	ug/L	0.50	88	76	124	
Dibromomethane	4.76	ug/L	0.50	95	77	125	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624								Batch:	R275391
Lab ID: lcs022417	Laboratory Co	ntroi Sample			Run: 5971/	A.I_170224A		02/24	/17 10:31
1,2-Dichlorobenzene	4.80	ug/L	0.50	96	74	124			
1,3-Dichlorobenzene	5.00	ug/L	0.50	100	77	122			
1,4-Dichlorobenzene	4.80	ug/L	0.50	96	76	126			
Dichlorodifluoromethane	4.36	ug/L	0.50	87	56	146			
1,1-Dichloroethane	4.56	ug/L	0.50	91	74	133			
1,2-Dichloroethane	3.76	ug/L	0.50	75	75	129			
1,1-Dichloroethene	4.28	ug/L	0.50	86	74	132			
cis-1,2-Dichloroethene	4.76	ug/L	0.50	95	81	122			
trans-1,2-Dichloroethene	5.08	u g /L	0.50	102	79	143			
1,2-Dichloropropane	5.20	ug/L	0.50	104	75	126			
1,3-Dichloropropane	4.32	ug/Ļ	0.50	86	71	136			
2,2-Dichloropropane	4.00	ug/L	0.50	80	68	142			
1,1-Dichloropropene	4.16	u g /L	0.50	83	70	131			
cis-1,3-Dichloropropene	4.12	ug/L	0.50	82	74	135			
trans-1,3-Dichloropropene	3.96	ug/L	0.50	79	76	149			
Ethylbenzene	4.92	ug/L	0.50	98	72	130			
Methyl tert-butyl ether (MTBE)	3.71	ug/L	0.50	74	72	120			
Methyl ethyl ketone	45.2	ug/L	20	90	45	130			
Methyl isobutyl ketone	49.2	ug/L	20	98	58	135			
Methylene chloride	5.64	ug/L	0.50	113	66	142			
Naphthalene	5.44	ug/L	0.50	109	69	124			
Styrene	4.84	ug/L	0.50	97	80	124			
Tetrachloroethene	4,68	ug/L	0.50	94	72	131			
1,1,1,2-Tetrachioroethane	4.16	ug/L	0.50	83	78	124			
1,1,2,2-Tetrachioroethane	4.72	ug/L	0.50	94	68	137			
Toluene	5.16	ug/L	0.50	103	72	135			
Trichloroethene	4.80	ug/L	0.50	96	85	126			
1,1,1-Trichloroethane	3.73	ug/L	0.50	75	63	120			
1,1,2-Trichloroethane	4.68	ug/L	0.50	94	78	124			
Trichlorofluoromethane	3.30	ug/L	0.50	66	72	120			s
1,2,3-Trichloropropane	4.04	ug/L	0.50	81	64	138			
Vinyl Acetate	4.08	u g /L	1.0	82	31	124			
Vinyl chloride	5.12	ug/L	0.50	102	58	140			
m+p-Xylenes	9.84	ug/L	0.50	98	67	139			
o-Xylene	4.84	ug/L	0.50	97	74	135			
Xylenes, Total	14.7	ug/L	0.50	98	70	137			
Surr: 1,2-Dichloroethane-d4		_	0.50	72	71	139			
Surr: p-Bromofluorobenzene			0.50	87	80	127			
Surr: Toluene-d8			0.50	92	80	123			
Lab ID: blk022417	Method Blank				Run: 5971A	.I_170224A		02/24/	17 11:30
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

College Station, TX 888.690.2218 - Gillette, WY 866.686.7175 - Helena, MT 877.472.8711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

. , 5,5561							110	ik Oluel.	C170205	
Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E624								Batch:	R275391
Lab ID:	blk022417	Method Blank				Run: 5971/	A.I_170224A		02/24	1/17 11:30
Acrolein		ND	ug/L	20						
Acrylonitril	e	ND	ug/L	3.0						
Benzene		ND	ug/L	0.50						
Bromoben	zene	ND	ug/L	0.50						
Bromochio	promethane	ND	ug/L	0.50						
Bromodich	loromethane	ND	ug/L	0.50						
Bromoform	1	ND	ug/L	0.50						
Bromomet	hane	ND	ug/L	0.50						
Carbon dis	sulfide	ND	ug/L	0.50						
Carbon tet	rachloride	ND	ug/L	0.50						
Chlorobena	zene	ND	ug/L	0.50						
Chlorodibre	omomethane	ND	ug/L	0.50						
Chloroetha	ine	ND	ug/L	0.50						
2-Chloroet	hyl vinyl ether	ND	ug/L	1.0						
Chioroform	-	ND	ug/L	0.50						
Chiorometi		ND	ug/L	0.50						
2-Chloroto		ND	ug/L	0.50						
4-Chlorotol		ND	ug/L	0.50						
1,2-Dibrom		ND	ug/L	0.50						
Dibromome		ND	ug/L	0.50						
1,2-Dichlor		ND	ug/L	0.50						
1,3-Dichlor		ND	ug/L	0.50						
1,4-Dichlor		ND	ug/L	0.50						
-	luoromethane	ND	ug/L	0.50						
1,1-Dichlor		ND	ug/L	0.50						
1,2-Dichior		ND	ug/L	0.50						
1.1-Dichlor		ND	_							
•	hioroethene		ug/L	0.50						
•		ND	ug/L	0.50						
	Pichloroethene	ND	ug/L	0.50						
1,2-Dichlor	· · ·	ND	ug/L	0.50						
1,3-Dichlor		ND	ug/L	0.50						
2,2-Dichlor		ND	ug/L	0.50						
1,1-Dichlor		ND	ug/L	0.50						
	hioropropene	ND	ug/L	0.30						
	ichloropropene	ND	ug/L	0.30						
Ethylbenze		ND	ug/L	0.50						
	-butyl ether (MTBE)	ND	ug/L	0.50						
Methyl ethy		ND	ug/L	20						
•	outyl ketone	ND	ug/L	20						
Methylene		ND	ug/L	0.50						
Naphthalen	ne	ND	ug/L	0.50						
Styrene		ND	ug/L	0.50						
Tetrachloro	ethene	ND	ug/L	0.50						

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

al Laboratories inc

Report Date: 03/02/17
Work Order: C17020566

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E624		<u></u>						Batch:	R27539
Lab ID:	blk022417	Method Blank				Run: 5971/	A.i_170224A		02/24	l/17 11:30
1,1,1,2-Tel	trachloroethane	ND	ug/L	0.50						
1, 1,2,2-Tet	trachloroethane	ND	ug/L	0.50						
Toluene		ND	ug/L	0.50						
Trichloroet	hene	ND	ug/L	0.50						
i,1,1-Trich	loroethane	ND	ug/L	0.50						
1,1,2-Trich	loroethane	ND	ug/L	0.50						
Frichloroflu	roromethane	ND	ug/L	0.50						
1,2,3-Trich	ioropropane	ND	ug/L	0.50						
/inyl Aceta	ate	ND	ug/L	1.0						
/inyl chlori	ide	ND	ug/L	0.40						
n+p-Xylen	es	ND	ug/L	0.50						
-Xylene		ND	ug/L	0.50						
(ylenes, T	otal	ND	ug/L	0.50						
Surr: 1,2	2-Dichloroethane-d4			0.50	74	71	139			
Surr: p-E	Bromofluorobenzene			0.50	90	80	127			
Surr: To	luene-d8			0.50	94	80	123			
ab ID:	b17021110-001bms	Sample Matrix	Spike			Run: 5971	A.I_170224A		02/24	/17 20:47
crolein		ND	ug/L	20	0	16	233			S 1
crylonitrile	ė	48.8	ug/L	20	98	76	127			
-Chloroeti	hyl vinyl ether	3.44	ug/L	1.0	69	36	144			
Surr: 1,2	l-Dichloroethane-d4			0.50	80	71	139			
Surr: p-E	Bromofluorobenzene			0.50	95	80	127			
Surr: Tol	luene-d8			0.50	100	80	123			
	s a known very reactive compour mple matrix.	nd. The recovery of t	his compound was n	ormal in th	e Laborat	ory Control Sar	mple (LCS). The	compound	appears to hav	ve reacted
.ab ID:	b17021110-001bmsd	Sample Matrix	Spike Duplicate			Run: 5971A	\.[_170224A		02/24	/17 21:16
\crolein		ND	ug/L	20	0	16	233		20	S 1
crylonitriie	9	48.8	ug/L	20	98	76	127	0.0	20	
-Chloroett	nyl vinyl ether	3.66	ug/L	1.0	73	36	144	6.1	20	
Surr: 1,2	-Dichloroethane-d4			0.50	81	71	139			
Surr. p-E	3romofluorobenzene			0.50	96	80	127			
Surr: Tol	uene-d8			0.50	99	80	123			
1 = This is with the sar	s a known very reactive compour mple matrix.	nd. The recovery of t	his compound was n	ormal in th	e Laborat	ory Control Sar	nple (LCS). The	compound	appears to hav	e reacted
ab ID:	b17021110-001bms	Sample Matrix	Spike			Run: 5971A	.i_170224A		02/24	/17 18:21
cetone		40.4	ug/L	20	81	55	144			
Acetonitrile	1	66.0	ug/L	20	132	54	142			
Benzene		4.60	ug/L	0.50	92	73	122			
Bromobenz		4.60	ug/L	0.50	92	74	129			
Bromochlo	romethane	4.56	u g /L	0.50	91	66	120			
اطمئامه مسمد	loromethane	4,36	ug/L	0.50	87	74	128			
N OF TOURS										
3romoform		4.40	ug/L	0.50	88	66	128			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Quai
Method:	E624					-			Batch:	R275391
Lab ID:	b17021110-001bms	Sample Matri	k Spike			Run: 5971	A.I_170224A		02/24	/17 18:21
Carbon dis	ulfide	5.12	ug/L	0.50	102	46	145			
Carbon tet	rachloride	3.59	ug/L	0.50	72	75	125			s
Chlorobena	zene	4.52	ug/L	0.50	90	80	123			
Chlorodibre	omomethane	4.52	ug/L	0.50	90	74	125			
Chloroetha	ne	5.40	ug/L	0.50	108	59	142			
Chloroform	1	4.68	ug/L	0.50	82	68	124			
Chlorometi	nane	4.64	ug/L	0.50	93	53	146			
2-Chlorotol	uene	4.88	ug/L	0.50	98	75	131			
4-Chlorotol	uene	4.68	ug/L	0.50	94	74	129			
1,2-Dibrom	oethane	4.16	ug/L	0.50	83	76	124			
Dibromome	ethane	4.64	ug/L	0.50	93	77	125			
1,2-Dichlor	obenzene	4.64	ug/L	0.50	93	74	124			
1,3-Dichlor	obenzene	4.88	ug/L	0.50	98	77	122			
1,4-Dichlor	obenzene	4.76	ug/L	0.50	91	76	126			
Dichlorodif	luoromethane	4.32	ug/L	0.50	86	56	146			
1,1-Dichlor	oethane	4.24	ug/L	0.50	85	74	133			
1,2-Dichlor	oethane	3.48	ug/L	0.50	70	75	129			S
1,1-Dichlor	oethene	4.12	ug/L	0.50	82	74	132			
cis-1,2-Dicl	hloroethene	4.48	ug/L	0.50	90	81	122			
trans-1,2-D	ichloroethene	4.64	ug/L	0.50	93	79	143			
1,2-Dichlor	opropane	4.92	ug/L	0.50	98	75	126			
1,3-Dichlor	opropane	4.24	ug/L	0.50	85	71	136			
2,2-Dichlor	opropane	3.60	ug/L	0.50	72	68	142			
1,1-Dichlor	opropene	4.04	ug/L	0.50	81	70	131			
cis-1,3-Dict	nloropropene	4.08	ug/L	0.50	82	74	135			
trans-1,3-D	ichloropropene	3.97	ug/L	0.50	79	76	149			
Ethylbenze	ne	4.64	ug/L	0.50	93	72	130			
Methyl tert-	butyl ether (MTBE)	3.63	ug/L	0.50	73	72	120			
Methyl ethy		44.4	ug/L	20	89	45	130			
Methyl isob	utyl ketone	51.2	ug/L	20	102	58	135			
Methylene o	chloride	5.44	ug/L	0.50	109	66	142			
Naphthalen	е	4.84	ug/L	0.50	97	69	124			
Styrene		4.56	ug/L	0.50	91	80	124			
Tetrachloro	ethene	4.44	ug/L	0.50	89	72	131			
1,1,1,2-Tetr	achloroethane	3.95	ug/L	0.50	79	78	124			
	achloroethane	4.88	ug/L	0.50	98	68	137			
Toluene		4.88	ug/L	0.50	98	72	135			
Trichloroeth		4.56	ug/L	0.50	91	85	126			
1,1,1-Trichi		3.51	ug/L	0.50	70	63	120			
1,1,2-Trichle		4.52	ug/L	0.50	90	78	124			
	oromethane	3.29	ug/L	0.50	66	72	120			S
	oropropane	3.90	ug/L	0.50	78	64	138			
Vinyl Acetal	te	4.00	ug/L	1.0	80	31	124			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 **Work Order:** C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624								Batch:	R27539
Lab ID: b17021110-001bms	Sample Matrix	Spike			Run: 5971	A.I_170224A		02/24	/17 18:2
/inyl chloride	5.12	ug/L	0.50	102	58	140			
n+p-Xylenes	9.32	ug/L	0.50	93	67	139			
p-Xylene	4.44	ug/L	0.50	89	74	135			
Kylenes, Total	13.8	ug/L	0.50	92	70	137			
Surr: 1,2-Dichloroethane-d4		_	0.50	80	71	139			
Surr: p-Bromofluorobenzene			0.50	94	80	127			
Surr: Toluene-d8			0.50	101	80	123			
_ab ID: b17021110-001bmsd	Sample Matrix	Spike Duplicate			Run: 5971	A.I_170224A		02/24	/17 18:5
Acetone	44.0	ug/L	20	88	55	144	8.5	20	
Acetonitrile	65.6	ug/L	20	131	54	142	0.6	20	
Benzene	5.04	ug/L	0.50	101	73	122	9.1	20	
Bromobenzene	4.96	ug/L	0.50	99	74	129	7.5	20	
3romochioromethane	4.80	ug/L	0.50	96	66	120	5.1	20	
Bromodichloromethane	4.60	ug/L	0.50	92	74	128	5.4	20	
iromoform	4.80	ug/L	0.50	96	66	128	8.7	20	
romomethane	6.00	ug/L	0.50	120	51	123	2.0	20	
arbon disulfide	5.20	ug/L	0.50	104	46	145	1.6	20	
arbon tetrachloride	3.97	ug/L	0.50	79	75	125	10	20	
Chlorobenzene	4.88	ug/L	0.50	98	80	123	7.7	20	
chlorodibromomethane	4.76	ug/L	0.50	95	74	125	5.2	20	
hloroethane	5.32	ug/L	0.50	106	59	142	1.5	20	
Chloroform	4.96	ug/L	0.50	87	68	124	5.8	20	
Chloromethane	4.88	ug/L	0.50	98	53	146	5.0	20	
-Chlorotoluene	5.20	ug/L	0.50	104	75	131	6.3	20	
-Chlorotoluene	5.04	ug/L	0.50	101	74	129	7.4	20	
,2-Dibromoethane	4.52	ug/L	0.50	90	76	124	8.3	20	
Dibromomethane	4.88	ug/L	0.50	98	77	125	5.0	20	
,2-Dichlorobenzene	5.04	ug/L	0.50	101	74	124	8.3	20	
,3-Dichlorobenzene	5.20	ug/L	0.50	104	77	122	6.3	20	
,4-Dichlorobenzene	5.12	ug/L	0.50	98	76	126	7.3	20	
Dichlorodifluoromethane	4.36	ug/L	0.50	87	56	146	0.9	20	
,1-Dichloroethane	4.68	ug/L	0.50	94	74	133	9.9	20	
,2-Dichloroethane	3.76	ug/L	0.50	75	75	129	7.8	20	
,1-Dichloroethene	4.44	ug/L	0.50	89	74	132	7.5	20	
is-1,2-Dichloroethene	4.88	ug/L	0.50	98	81	122	8.5	20	
ans-1,2-Dichioroethene	5.12	ug/L	0.50	102	79	143	9.8	20	
,2-Dichloropropane	5.24	ug/L	0.50	105	75	126	6.3	20	
,3-Dichloropropane	4.64	ug/L	0.50	93	71	136	9.0	20	
,2-Dichloropropane	3.96	ug/L	0.50	79	68	142	9.6	20	
,1-Dichloropropene	4.44	ug/L	0.50	89	70	131	9.4	20	
is-1,3-Dichloropropene	4.40	ug/L	0.50	88	74	135	7.5	20	
rans-1,3-Dichloropropene	4.24	ug/L	0.50	85	76	149	6.6	20	

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result U	nits RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch:	R275391
Lab ID: b17021110-001bmsd	Sample Matrix Spi	ke Duplicate		Run: 5971	A.I_170224A		02/24	/17 18:50
Ethylbenzene	5.00 սջ	J/L 0.50	100	72	130	7.5	20	
Methyl tert-butyl ether (MTBE)	3.83 სე	J/L 0.50	77	72	120	5.5	20	
Methyl ethyl ketone	46.0 ug	J/L 20	92	45	130	3.5	20	
Methyl isobutyl ketone	51.2 ևջ	J/L 20	102	58	135	0.0	20	
Methylene chloride	5.72 ug	1/L 0.50	114	66	142	5.0	20	
Naphthalene	5.56 นรู	J/L 0.50	111	69	124	14	20	
Styrene	4.84 կջ	J/L 0.50	97	80	124	6.0	20	
Tetrachloroethene	4.72 ug	y/L 0.50	94	72	131	6.1	20	
1,1,1,2-Tetrachioroethane	4.20 ug	/L 0.50	84	78	124	6.1	20	
1,1,2,2-Tetrachloroethane	5.20 นอ	/L 0.50	104	68	137	6.3	20	
Toluene	5.12 ug	/L 0.50	102	72	135	4.8	20	
Trichloroethene	4.80 ug	/L 0.50	96	85	126	5.1	20	
1,1,1-Trichloroethane	3.94 ug	/L 0.50	79	63	120	12	20	
1,1,2-Trichloroethane	4.76 ug	/L 0.50	95	78	124	5.2	20	
Trichlorofluoromethane	3.36 სე	/L 0.50	67	72	120	2.3	20	S
1,2,3-Trichloropropane	4.20 ug	/L 0.50	84	64	138	7.4	20	
Vinyl Acetate	4.20 ug	/L 1.0	84	31	124	4.9	20	
Vinyl chloride	5.08 นธ	/L 0.50	102	58	140	8.0	20	
m+p-Xylenes	9.92 ug	/L 0.50	99	67	139	6.2	20	
o-Xylene	4.80 ug	/L 0.50	96	74	135	7.8	20	
Xylenes, Total	14.7 ug	/L 0.50	98	70	137			
Surr: 1,2-Dichloroethane-d4		0.50	81	71	139			
Surr: p-Bromofluorobenzene		0.50	94	80	127			
Surr: Toluene-d8		0.50	100	80	123			

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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

Method: E625 Lab ID: MB-107004 Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	Method Blank ND						Batch	n: 107004
Acenaphthene Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether								
Acenaphthylene Anthracene Azobenzene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether	ND			Run: SV	5973N2.I_170227E	3	02/27	/17 18:24
Anthracene Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether		ug/L	10		_			
Azobenzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether	ND	ug/L	10					
Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether	ND	ug/L	10					
Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethyl)Ether	ND	ug/L	10					
Benzo(g,h,i)perylene Benzo(k)fluoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
Benzo(k)fiuoranthene 4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
4-Bromophenyl phenyl ether Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
Butylbenzylphthalate 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
bis(-2-chloroethoxy)Methane bis(-2-chloroethyl)Ether	ND	ug/L	10					
bis(-2-chloroethyl)Ether	ND	ug/L	10					
	ND	ug/L	10					
bis(2-chloroisopropyl)Ether	ND	ug/L	10					
2-Chloronaphthalene	ND	ug/L	10					
2-Chlorophenol	ND	ug/L	10					
4-Chlorophenyl phenyl ether	ND	ug/L	10					
Chrysene	ND	ug/L	10					
Diethyl phthalate	ND	ug/L	10					
Di-n-butyl phthalate	ND	ug/L	10					
1,2-Dichlorobenzene	ND	ug/L	10					
1,3-Dichlorobenzene	ND	ug/L	10					
1,4-Dichtorobenzene	ND	ug/L	10					
3,3'-Dichiorobenzidine	ND	ug/L	10					
2,4-Dichiorophenol	ND	ug/L	10					
Dimethyl phthalate	ND	ug/L	10					
Di-n-octyl phthalate	ND	ug/L	10					
Dibenzo(a,h)anthracene	ND	ug/L	10					
2,4-Dimethylphenol	ND	ug/L	10					
4,6-Dinitro-2-methylphenol	ND	ug/L	50					
2,4-Dinitrophenol	ND	ug/L	50					
2,4-Dinitrotoluene	ND	ug/L	10					
2,6-Dinitrotoluene	ND	ug/L	10					
bis(2-ethylhexyl)Phthalate	ND	ug/L	10					
Fluoranthene	ND	ug/L	10					
Fluorene	ND	ug/L	10					
Hexachlorobenzene	ND	ug/L	10					
Hexachlorobutadiene	ND	ug/L	10					
Hexachlorocyclopentadiene	ND	ug/L	10					
Hexachioroethane	ND	ug/L	10					
Indeno(1,2,3-cd)pyrene	170	α A ι∟	10					
			10					
Isophorone	ND ND	ug/L ug/L	10 10					

Qualiflers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17 Work Order: C17020566

Analyte	Result U	Jnits .	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625								Batch	: 107004
Lab ID: MB-107004	Method Blank				Run: SV59	73N2.I_170227B		02/27/	17 18:24
n-Nitrosodimethylamine	ND u	ıg/L	10						
n-Nitroso-di-n-propylamine	ND t	ıg/L	10						
n-Nitrosodiphenylamine	ND L	g/L	10						
2-Nitrophenol	ND L	g/L	10						
4-Nitrophenol	ND u	g/L	50						
Naphthalene	ND u	g/L	10						
Nitrobenzene		g/L	10						
Pentachlorophenol		g/L	50						
Phenanthrene		g/L	10						
Phenol		g/L	10						
Pyrene		g/L	10						
1.2.4-Trichlorobenzene		g/L	10						
2,4,6-Trichlorophenol		g/L	10						
Surr: 2-Fluorobiphenyl		•	10	55	28	107			
Surr: 2-Fluorophenol			10	36	20	56			
Surr: Nitrobenzene-d5			10	58	32	94			
Surr: Phenol-d5			10	35	19	45			
Surr: Terphenyl-d14			10	77	32	122			
Surr: 2,4,6-Tribromophenol			10	58	21	130			
Lab ID: LCS-107004	Laboratory Contro	l Sample			Run: SV59	73N2.I_1 70227B		02/27/	17 18:55
Acenaphthene	81.2 u	g/L	10	81	58	99			
Acenaphthylene	76.5 u	g/L	10	77	57	96			
Anthracene	79.5 u	g/L	10	80	60	107			
Azobenzene		g/L	10	79	56	100			
Benzo(a)anthracene		g/L	10	84	62	114			
Benzo(a)pyrene		g/L	10	80	62	108			
Benzo(b)fluoranthene		g/L	10	89	48	127			
Benzo(g,h,i)perylene		g/L	10	82	62	121			
Benzo(k)fluoranthene		g/L	10	79	55	111			
4-Bromophenyl phenyl ether		g/L	10	83	58	105			
Butylbenzylphthalate		g/L	10	92	60	113			
4-Chloro-3-methylphenol		g/L	10	66	53	92			
bls(-2-chloroethoxy)Methane		g/L	10	74	50	92			
bis(-2-chloroethyl)Ether		g/L	10	63	44	82			
bis(2-chioroisopropyl)Ether		g/L	10	61	56	87			
2-Chloronaphthalene		g/L	10	75	56	95			
2-Chlorophenol		g/L	10	60	47	76			
4-Chlorophenyl phenyl ether		g/L	10	76	58	99			
		g/L	10	82	63	106			
Chrysene		e· —							
Chrysene Diethyl phthalate		n/L	10	79	58	103			
Chrysene Diethyl phthalate Dl-n-butyl phthalate	78.6 u	g/L g/L	10 10	79 88	58 61	103 110			

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625						-		Batcl	n: 107004
Lab ID: LCS-107004	Laboratory Co	ntrol Sample			Run: SV59	73N2.I_170227B		02/27	/17 18:55
1,3-Dichlorobenzene	60.2	ug/L	10	60	41	79			
1,4-Dichlorobenzene	61.4	ug/L	10	61	42	79			
3,3'-Dichlorobenzidine	68.6	ug/L	10	69	51	93			
2,4-Dichlorophenol	64.7	ug/L	10	65	49	90			
Dimethyl phthalate	76.4	ug/L	10	76	58	104			
Di-n-octyl phthalate	88.3	ug/L	10	88	56	110			
Dibenzo(a,h)anthracene	80.4	ug/L	10	80	61	111			
2,4-Dimethylphenol	61.8	ug/L	10	62	45	89			
4,6-Dinitro-2-methylphenol	48.2	ug/L	50	48	37	105			
2,4-Dinitrophenol	39.7	ug/L	50	40	27	81			
2,4-Dinitrotoluene	87.7	ug/L	10	88	63	110			
2,6-Dinitrotoluene	75.5	ug/L	10	76	60	107			
bis(2-ethylhexyl)Phthalate	88.6	ug/L	10	89	56	108			
Fluoranthene	83.8	ug/L	10	84	63	110			
Fluorene	77.4	ug/L	10	77	60	99			
Hexachlorobenzene	78.2	ug/L	10	78	57	103			
Hexachlorobutadiene	67.5	ug/L	10	67	39	83			
Hexachlorocyclopentadiene	68.4	ug/L	10	68	39	91			
Hexachloroethane	59.6	ug/L	10	60	37	75			
Indeno(1,2,3-cd)pyrene	82.0	ug/L	10	82	59	109			
Isophorone	67.1	ug/L	10	67	42	102			
n-Nitrosodimethylamine	36.9	ug/L	10	37	20	45			
n-Nitroso-di-n-propylamine	71.5	ug/L	10	71	49	98			
n-Nitrosodiphenylamine	90.0	u g /L	10	90	61	108			
2-Nitrophenol	68.0	ug/L	10	68	51	96			
4-Nitrophenol	18.3	ug/L	50	18	15	36			
Naphthalene	71.6	ug/L	10	72	48	96			
Nitrobenzene	65.0	ug/L	10	65	51	91			
Pentachiorophenol	70.6	ug/L	50	71	53	109			
Phenanthrene	80.5	u g/ L	10	81	58	104			
Phenol	35.4	ug/L	10	35	27	45			
Pyrene	89.3	ug/L	10	89	64	108			
1,2,4-Trichlorobenzene	67.3	ug/L	10	67	49	85			
2,4,6-Trichlorophenol	64.9	ug/L	10	65	47	99			
Surr: 2-Fluorobiphenyl			10	63	28	107			
Surr: 2-Fluorophenol			10	35	20	56			
Surr: Nitrobenzene-d5			10	68	32	94			
Surr: Phenol-d5			10	42	19	45			
Surr: Terphenyl-d14			10	87	32	122			
Surr: 2,4,6-Tribromophenol			10	70	21	130			
Lab ID: B17021688-001CMS	Sample Matrix	Spike			Run: SV597	3N2.I_170227B		02/27/	17 20:29
Acenaphthene	86.4	ug/L	10	86	58	99			

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Report Date: 03/02/17 Project: 170217005 LFH-1 CO-0121724 Work Order: C17020566

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E625								Batc	h: 107004
Lab ID:	B17021688-001CMS	Sample Matrix	k Spike			Run: SV59	73N2.i_170227B		02/27	7/17 20:29
Acenaphth	ylene	83.0	ug/L	10	83	57	96			
Anthracene	?	86.4	ug/L	10	86	60	107			
Azobenzen	e	84.3	ug/L	10	84	56	100			
Benzo(a)ar	nthracene	90.3	ug/L	10	90	62	114			
Benzo(a)py	/rene	80.9	ug/L	10	81	62	108			
Benzo(b)flu	ıoranthene	80.4	ug/L	10	80	48	127			
Benzo(g,h,i	i)peryiene	80.5	ug/L	10	81	62	121			
Benzo(k)flu	oranthene	83.5	ug/L	10	83	55	111			
4-Bromoph	enyl phenyl ether	80.4	ug/L	10	80	58	105			
Butylbenzy	iphthalate	99.7	ug/L	10	100	60	113			
4-Chioro-3-	-methylphenol	77.0	ug/L	10	77	53	92			
bis(-2-chlor	roethoxy)Methane	77.3	ug/L	10	77	50	92			
bls(-2-chlor	oethyl)Ether	66.7	ug/L	10	67	44	82			
bis(2-chlore	oisopropyi)Ether	66.6	ug/L	10	67	56	87			
2-Chlorona	phthalene	79.8	ug/L	10	80	56	95			
2-Chloroph	enol	64.1	ug/L	10	64	47	76			
4-Chloroph	enyl phenyl ether	84.5	ug/L	10	85	58	99			
Chrysene		85.9	ug/L	10	86	63	106			
Diethyl phth	halate	85.4	ug/L	10	85	58	103			
Di-n-butyl p	hthalate	96.0	ug/L	10	96	61	110			
1,2-Dichlor	obenzene	66.1	ug/L	10	66	43	81			
1,3-Dichlore	obenzene	61.9	ug/L	10	62	41	79			
1,4-Dichlore	obenzene	61.8	ug/L	10	62	42	79			
3,3'-Dichlor	robenzidine	69.1	ug/L	10	69	51	93			
2,4-Dichlor	opheno!	68.4	ug/L	10	68	49	90			
Dimethyl ph	nthalate	81.4	ug/L	10	81	58	104			
Di-n-octyl p	hthalate	90.6	ug/L	10	91	56	110			
Dibenzo(a,i	h)anthracene	80.0	ug/L	10	80	61	111			
2,4-Dimethy	ylphenol	69.2	ug/L	10	69	45	87			
4,6-Dinitro-	2-methylphenol	58.9	ug/L	50	59	37	105			
2,4-Dinitrop	henol	5 4.8	ug/L	50	55	27	81			
2,4-Dinitrote	oluene	82.5	ug/L	10	83	63	110			
2,6-Dinitrote	cluene	80.8	ug/L	10	81	60	107			
bis(2-ethylh	exyl)Phthalate	92.0	ug/L	10	92	56	108			
Fluoranther	ne	88.0	ug/L	10	88	63	110			
Fluorene		80.1	ug/L	10	80	60	99			
Hexachloro	benzene	82.5	ug/L	10	83	57	103			
Hexachioro	butadiene	69.0	ug/L	10	69	39	83			
Hexachloro	cyclopentadiene	68.1	ug/L	10	68	39	91			
Hexachioro	ethane	65.6	ug/L	10	66	37	75			
Indeno(1,2,	3-cd)pyrene	82.3	ug/L	10	82	59	109			
Isophorone	** *	71.3	ug/L	10	71	42	102			
	methylamine	41.5	ug/L	10	41	20	45			

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17
Work Order: C17020566

Project: 170217005 LFH-1 CO-0121724

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625		·						Batch	: 107004
Lab ID: B17021688-00	1CMS Sample Matri	x Spike			Run: SV59	73N2.I_170227B		02/27/	/17 20:29
n-Nitroso-di-n-propylamine	76.9	u g/ L	10	77	49	98			
n-Nitrosodiphenylamine	93.7	ug/L	10	94	61	108			
2-Nitrophenol	69.9	ug/L	10	70	51	96			
4-Nitrophenol	24.6	ug/L	50	25	15	36			
Naphthalene	76.0	ug/L	10	76	48	96			
Nitrobenzene	72.5	ug/L	10	73	51	91			
Pentachlorophenol	89.2	ug/L	50	89	53	109			
Phenanthrene	85.1	ug/L	10	85	58	104			
Phenol	36.7	ug/L	10	37	27	45			
Pyrene	89.8	ug/L	10	90	64	108			
1,2,4-Trichlorobenzene	70.9	ug/L	10	71	49	85			
2,4,6-Trichlorophenol	67.7	ug/L	10	68	47	99			
Surr: 2-Fluorobiphenyl			10	62	28	107			
Surr: 2-Fluorophenol			10	39	20	56			
Surr: Nitrobenzene-d5			10	72	32	94			
Surr: Phenol-d5			10	35	19	45			
Surr: Terphenyl-d14			10	87	32	122			
Surr: 2,4,6-Tribromopheno	ol .		10	75	21	130			
Lab ID: B17021688-003	•	-				73N2.I_170227B		02/27/	17 21:31
Acenaphthene	89.8	ug/L	10	90	58	99			
Acenaphthylene	82.2	ug/L	10	82	57	96			
Anthracene	73.2	ug/L	10	73	60	107			
Azobenzene	80.2	ug/L	10	80	56	100			
Benzo(a)anthracene	85.1	ug/L	10	85	62	114			
Benzo(a)pyrene	77.0	ug/L	10	77	62	108			
Benzo(b)fluoranthene	73.3	ug/L	10	73	48	127			
Benzo(g,h,i)perylene	78.5	ug/L	10	79	62	121			
Benzo(k)fluoranthene	83.1	ug/L	10	83	55	111			
4-Bromophenyl phenyl ether	78.1	ug/L	10	78	58	105			
Butylbenzylphthalate	92.9	ug/L	10	93	60	113			
4-Chioro-3-methylphenol	69.5	ug/L	10	69	53	92			
bis(-2-chloroethoxy)Methane	69.6	ug/L	10	70	50	92			
bis(-2-chloroethyl)Ether	58.4	ug/L	10	58	44	82			
bis(2-chloroisopropyl)Ether	57.7	ug/L	10	58	56	87			
2-Chloronaphthalene	77.7	ug/L	10	78	56	95			
2-Chlorophenol	56.6	ug/L	10	57	47	76			
4-Chlorophenyl phenyl ether	82.9	ug/L	10	83	58	99			
Chrysene	82.0	ug/L	10	82	63	106			
Diethyl phthalate	80.2	ug/L	10	80	58	103			
	86.9	ug/L	10	87	61	110			
Di-n-butyl phthalate		-							
Di-n-butyl phthalate 1,2-Dichlorobenzene 1,3-Dichlorobenzene	61.5 59.3	ug/L ug/L	10 10	62 59	43 41	81 79			

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625								Batch	n: 107004
Lab ID: B17021688-003CMS	Sample Matrix	Spike			Run: SV59	73N2.I_170227E	3	02/27	/17 21:31
1,4-Dichlorobenzene	57.9	ug/L	10	58	42	79			
3,3'-Dichlorobenzidine	52.9	ug/L	10	53	51	93			
2,4-Dichlorophenol	61.5	ug/L	10	62	49	90			
Dimethyl phthalate	74.3	ug/L	10	74	58	104			
Di-n-octyl phthalate	82.5	ug/L	10	83	56	110			
Dibenzo(a,h)anthracene	75.9	ug/L	10	76	61	111			
2,4-Dimethylphenol	60.0	ug/L	10	60	45	87			
4,6-Dinitro-2-methylphenol	41.6	ug/L	50	42	37	105			
2,4-Dinitrophenol	30.1	ug/L	50	30	27	81			
2,4-Dinitrotoluene	86.9	ug/L	10	87	63	110			
2,6-Dinitrotoluene	75.9	ug/L	10	76	60	107			
bis(2-ethylhexyl)Phthalate	81.5	ug/L	10	82	56	108			
Fluoranthene	82.0	ug/L	10	82	63	110			
Fluorene	81.9	ug/L	10	82	60	99			
Hexachlorobenzene	75.8	ug/L	10	76	57	103			
Hexachlorobutadiene	69.3	ug/L	10	69	39	83			
Hexachlorocyclopentadiene	69.5	ug/L	10	70	39	91			
Hexachloroethane	57.7	ug/L	10	58	37	75			
Indeno(1,2,3-cd)pyrene	73.4	ug/L	10	73	59	109			
Isophorone	68.4	ug/L	10	68	42	102			
n-Nitrosodimethylamine	27.8	ug/L	10	28	20	45			
n-Nitroso-di-n-propylamine	68.7	ug/L	10	69	49	98			
n-Nitrosodiphenylamine	84.0	ug/L	10	84	61	108			
2-Nitrophenol	61.8	ug/L	10	62	51	96			
4-Nitrophenol	27.7	ug/L	50	28	15	36			
Naphthalene	72.4	ug/L	10	72	48	96			
Narobenzene	69.7	ug/L	10	70	51	91			
Pentachiorophenol	66.8	ug/L	50	67	53	109			
Phenanthrene	79.7	ug/L ug/L	10	80	58	109			
Phenol	33.9	_	10	34	27	45			
		ug/L	10						
Pyrene	81.2	ug/L		81 71	64	108			
1,2,4-Trichlorobenzene	71.3	ug/L	10		49	85			
2,4,6-Trichlorophenol	63.8	ug/L	10	64	47	99			
Surr: 2-Fluorobiphenyl			10	45	28	107			
Surr: 2-Fluorophenol			10	37	20	56			
Surr: Nitrobenzene-d5			10	62	32	94			
Surr: Phenol-d5			10	31	19	45			
Surr: Terphenyl-d14 Surr: 2,4,6-Tribromophenol			10 10	64 55	32 21	122 130			
Lab ID: MB-107004	Method Blank					73N2.I_170228A		02/29	17 12:11
Benzidine	ND ND	ual	40		Null. 5759	1 0142.1_11 0220A		UZ1Z0/	17 12.11
Derizatife	מא	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

College Station, TX 888.690.2218 • Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17
Work Order: C17020566

Analyte		Result Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E825							Batcl	h: 107004
Lab ID: Benzidine	LCS-107004	Laboratory Control Sample 63.4 ug/L	10	63	Run: SV59 10	73N2.I_170228A 100		02/28	/17 12:42
Lab ID: Benzidine	B17021688-001CMS	Sample Matrix Spike 25.8 ug/L	20	26	Run: SV59 10	73N2.I_170228A 100		02/28	/17 14:16
Lab ID: Benzidine	B17021688-003CMS	Sample Matrix Spike 28.5 ug/L	20	28	Run: SV59 10	73N2.l_170228A 100		02/28	/17 15:18

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170217005 LFH-1 CO-0121724 Report Date: 03/02/17

Work Order: C17020566

CV_2 Continuing Ca 75.7 75.2 78.7 79.8 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 98 79.4 80.8 77.8 70.3 80.3 72.9	alibration Verifug/Lug/Lug/Lug/Lug/Lug/Lug/Lug/Lug/Lug/L	10 10 10 10 10 10 10 10 10 10 10 10	101 100 105 106 104 104 105 100 98 99 113 103 106 108	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120 120	An	nalytical Run: 02/27	R275528 /17 15:18
75.7 75.2 78.7 79.8 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 89.8 77.8 70.3 80.3 72.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10 10 10 10	101 100 105 106 104 104 105 100 98 99 113 103 106 108	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120		02/27	/17 15:18
75.7 75.2 78.7 79.8 78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 86 79.4 80.8 77.8 70.3 80.3 72.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10 10 10 10	100 105 106 104 104 105 100 98 99 113 103 106 108	80 80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120			
78.7 79.8 78.0 78.0 78.6 75.3 73.2 97 74.4 84.4 77.2 98 79.4 80.8 77.8 70.3 80.3 72.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10 10 10	105 106 104 104 105 100 98 99 113 103 106 108	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120 120			
79.8 78.0 78.0 78.6 75.3 73.2 87 74.4 84.4 77.2 89 80.8 77.8 70.3 80.3 87.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10 10 10	106 104 104 105 100 98 99 113 103 106 108	80 80 80 80 80 80 80 80	120 120 120 120 120 120 120 120			
78.0 78.0 78.6 75.3 73.2 74.4 84.4 77.2 9.4 80.8 77.8 70.3 80.3 72.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10 10	104 105 100 98 99 113 103 106 108	80 80 80 80 80 80 80	120 120 120 120 120 120 120			
78.0 78.6 75.3 73.2 74.4 84.4 77.2 9.4 80.8 77.8 70.3 80.3 72.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10 10	104 105 100 98 99 113 103 106 108	80 80 80 80 80 80	120 120 120 120 120 120			
78.6 75.3 73.2 74.4 84.4 77.2 80.8 77.8 70.3 80.3 87.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10	105 100 98 99 113 103 106 108	80 80 80 80 80 80	120 120 120 120 120 120			
75.3 73.2 74.4 84.4 77.2 8e 79.4 80.8 77.8 70.3 80.3 9r 72.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10 10	100 98 99 113 103 106 108	80 80 80 80 80	120 120 120 120 120			
73.2 74.4 84.4 77.2 80.8 77.8 70.3 80.3 87.9	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10 10	98 99 113 103 106 108	80 80 80 80	120 120 120 120			
74.4 84.4 77.2 98.8 79.4 80.8 77.8 70.3 80.3 97.9	ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10	99 113 103 106 108	80 80 80 80	120 120 120			
84.4 77.2 79.4 80.8 77.8 70.3 80.3 87.3	ug/L ug/L ug/L ug/L ug/L ug/L	10 10 10 10 10	113 103 106 108	80 80 80	120 120			
84.4 77.2 79.4 80.8 77.8 70.3 80.3 87.3	ug/L ug/L ug/L ug/L ug/L	10 10 10 10	103 106 108	80 80	120			
79.4 80.8 77.5 70.3 80.3 87	ug/L ug/L ug/L ug/L	10 10 10	106 108	80				
80.8 77.8 70.3 80.3 er 72.9	ug/L ug/L ug/L ug/L	10 10	108		120			
80.8 77.8 70.3 80.3 r 72.9	ug/L ug/L ug/L	10						
70.3 80.3 r 72. 9	ug/L ug/L		104	80	120			
70.3 80.3 r 72. 9	ug/L	10	104	80	120			
r 72.9			94	80	120			
		10	107	80	120			
	ug/L	10	97	80	120			
75.0	ug/L	10	100	80	120			
75.7	ug/L	10	101	80	120			
81.6	ug/L	10	109	80	120			
72.7	ug/L	10	97	80	120			
77.8	ug/L	10	104	80	120			
74.9	ug/L	10	100	80	120			
75,8	ug/L	10	101	80	120			
74.8	ug/L	10	100	80	120			
75.3	ug/L	10	100	80	120			
83.5	ug/L	10	111	80	120			
74.8	ug/L	10	100	80	120			
73.0	ug/L	10	97	80	120			
71.3	ug/L	50	95	80	120			
69.4	-		93					
79.4	_		106					
	-							
	_							
€		69.4 ug/L 79.4 ug/L 79.4 ug/L 78.1 ug/L 84.4 ug/L 76.0 ug/L 77.8 ug/L 73.8 ug/L 71.9 ug/L 73.1 ug/L 77.6 ug/L 77.6 ug/L 75.6 ug/L	69.4 ug/L 50 79.4 ug/L 10 78.1 ug/L 10 84.4 ug/L 10 76.0 ug/L 10 77.8 ug/L 10 73.8 ug/L 10 71.9 ug/L 10 73.1 ug/L 10 77.6 ug/L 10 77.6 ug/L 10 75.6 ug/L 10	69.4 ug/L 50 93 79.4 ug/L 10 106 78.1 ug/L 10 104 84.4 ug/L 10 112 76.0 ug/L 10 101 77.8 ug/L 10 104 73.8 ug/L 10 98 71.9 ug/L 10 96 73.1 ug/L 10 97 77.6 ug/L 10 103 75.6 ug/L 10 101	69.4 ug/L 50 93 80 79.4 ug/L 10 106 80 78.1 ug/L 10 104 80 84.4 ug/L 10 112 80 76.0 ug/L 10 101 80 77.8 ug/L 10 104 80 73.8 ug/L 10 98 80 71.9 ug/L 10 96 80 77.6 ug/L 10 97 80 77.6 ug/L 10 103 80 75.6 ug/L 10 101 80	69.4 ug/L 50 93 80 120 79.4 ug/L 10 106 80 120 78.1 ug/L 10 104 80 120 84.4 ug/L 10 112 80 120 76.0 ug/L 10 101 80 120 77.8 ug/L 10 104 80 120 73.8 ug/L 10 98 80 120 71.9 ug/L 10 96 80 120 77.6 ug/L 10 97 80 120 77.6 ug/L 10 103 80 120 75.6 ug/L 10 101 80 120	69.4 ug/L 50 93 80 120 79.4 ug/L 10 106 80 120 78.1 ug/L 10 104 80 120 84.4 ug/L 10 112 80 120 76.0 ug/L 10 101 80 120 77.8 ug/L 10 104 80 120 73.8 ug/L 10 98 80 120 71.9 ug/L 10 96 80 120 77.6 ug/L 10 97 60 120 77.6 ug/L 10 103 80 120 75.6 ug/L 10 103 80 120 75.6 ug/L 10 101 80 120	69.4 ug/L 50 93 80 120 79.4 ug/L 10 106 80 120 78.1 ug/L 10 104 80 120 84.4 ug/L 10 112 80 120 76.0 ug/L 10 101 80 120 77.8 ug/L 10 104 80 120 73.8 ug/L 10 98 80 120 71.9 ug/L 10 96 80 120 77.6 ug/L 10 103 80 120 77.6 ug/L 10 103 80 120 75.6 ug/L 10 101 80 120

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD RI	PDLimit	Qual
Method: E625							Analy	tical Run:	R27552
Lab ID: 27-Feb-17_CCV_2	Continuing Ca	libration Vertfi	cation Standa	ırd				02/27	7/17 15:18
n-Nitrosodimethylamine	75.3	ug/L	10	100	80	120			
n-Nitroso-di-n-propylamine	77.8	ug/L	10	104	80	120			
n-Nitrosodiphenylamine	78.9	ug/L	10	105	80	120			
2-Nitrophenol	75.8	ug/L	10	101	80	120			
4-Nitrophenol	69.6	ug/L	50	93	80	120			
Naphthalene	79.8	ug/L	10	106	80	120			
Nitrobenzene	76.8	ug/L	10	102	80	120			
Pentachiorophenol	73.3	ug/L	50	98	80	120			
Phenanthrene	74.0	ug/L	10	99	80	120			
Phenoi	79.2	ug/L	10	106	80	120			
Pyrene	75.2	ug/L	10	100	80	120			
1,2,4-Trichlorobenzene	72.8	ug/L	10	97	80	120			
2,4,6-Trichlorophenol	73.6	ug/L	10	98	80	120			
Surr: 2-Fluorobiphenyi			10	100	80	120			
Surr: 2-Fluorophenol			10	113	80	120			
Surr: Nitrobenzene-d5			10	105	80	120			
Surr: Phenol-d5			10	121	80	120			S
Surr: Terphenyl-d14			10	101	80	120			
Surr: 2,4,6-Tribromophenol			10	102	80	120			
Method: E625							Analy	tical Run:	R275577
Lab ID: 28-Feb-17_CCV_2	Continuing Ca	libration Verifi	cation Standa	rd				02/28	/17 11:39
Benzidine	89.5	ug/L	10	119	80	120			

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc **Project:** 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	SW8260M								Analytical Rur	1: 107003
Lab ID:	CCV-107003	Continuing Cal	bration Verification	on Standa	ırd					/17 08:30
1,4-Dioxane		105	ug/L	1.0	105	80	120			
Method:	SW8260M				_				Batch	: 107003
Lab ID: 1,4-Dioxane	LCS-107003	Laboratory Con 106	itrol Sample ug/L	1.0	106	Run: VOA5 70	973A.I_170227A 130		02/27	17 09:22
Lab ID: 1,4-Dioxane	MB-107003	Method Blank ND	ug/L	1.0		Run: VOA5	973A.I_170227A		02/27	17 09:44
Lab ID: 1,4-Dioxane	C17020566-001BMS	Sample Matrix	Spike ug/L	2.0	100	Run: VOA5	973A.I_170227A 130		02/27/	17 11:3 7
Lab ID: 1,4-Dioxane	C17020566-001BMSD	Sample Matrix 9	Spike Duplicate ug/L	2.0	103	Run: VOA5	973A.I_170227A 130	3.0	02/27 / 20	17 11:59

Work Order Receipt Checklist

Colorado Analytical Laboratories Inc C17020566

Login completed by:	Dorian Quis		Dat	e Received: 2/21/2017	
Reviewed by:	Kasey Vidick		F	Received by: dcq	
Reviewed Date:	2/21/2017		C	arrier name: Ground	
Shipping container/cooler in	good condition?	Yes 🗸	No 🔲	Not Present	
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes 🗌	No 🗌	Not Present 🗸	
Custody seals intact on all sa	ample bottles?	Yes 🗌	No 🔲	Not Present ✓	
Chain of custody present?		Yes 🗸	No 🔲		
Chain of custody signed who	en relinquished and received?	Yes 🗸	No 🗌		
Chain of custody agrees with	sample labels?	Yes 🗸	No 🗌		
Samples in proper container	bottle?	Yes 🗸	No 🔲		
Sample containers intact?		Yes 🔽	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🔽	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Sul	insidered field parameters	Yes 🗸	No 🗀		
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes 🗌	No 🗹	Not Applicable	
Container/Temp Blank temps	rature:	6.8°C Blue ica			
Water - VOA vials have zero	headspace?	Yes 🗸	No 🗌	No VOA viats submitted	
Water - pH acceptable upon i	receipt?	Yes	No 🗌	Not Applicable	
Standard Danasti	- Dragadona				

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Chain of Custody Form

	1	
Report To Information	Bill To Information (If different from report to)	Project Name
Company Name: Colorado Analytical	Company Name: Same As Report To	170217005
Contact Name: Stuart Nielson	Contact Name:	Lfh-1 Co-0121724
Address:	Address:	Task Number (Lab Use Only)
240 S. Main St.		1
<u> </u>		
l —		
City Brighton State CO Zip80601	City State Zip	
		1
Phone:3036592313 Fax:3036592315	Phone: Fax:	
Email: stuartnielson@coloradolab.com	Email:	Disposal Date(Lab Use Only)
Sample Collector: Stephanie Schwenke	PO No.:	



Brighton Lab
240 South Main Street
Brighton, CO 80601
Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

										_			C. 1710	22056	ما
Waste Wate Ground Wat Surface Wat	ter 🗌	Soil Sludge Compost				No. of Containers	Grab or (Check One Only) Composite	624 VOC Long List	625 SOCs	1,4 Dioxane					
Z/16/17		95-01 LFH-1			C/S Info:	7									
3.2															
Relinguished B	ry: Da	te/Vime: 120/17	Received By:	Date/Time			ished By:			ate/Time	e;	Received By:		Date/Time:	
V		1600									(0) = A	C C DC 11	<i>-</i>		



Inorganic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS 4300 Cherry Creek Drive South, Denver, CO 80246-1530 Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revised 6/13/2014

IOC

Section I (Supplied or Completed by Public Water System) Section II (Supplied or Completed by Certified Laboratory) **Public Water System Information Certified Laboratory Information** PWSID#: CO0121724 Laboratory ID: CO 0015 System Name: Sterling Ranch MD Laboratory Name: Colorado Analytical Laboratory Contact Person: Mark Volle Phone #: 719-227-0072 Contact Person: Customer Service Phone: 303-659-2313 Comments: Comments: Do Samples Need to be Composited BY THE LAB? Section III (Supplied or Completed by Public Water System) Sample Date: 3/23/17 Collector: Stephanie Schwe Facility ID (On Schedule): New Well Sample Pt ID (On Schedule): New Well Section IV Inorganic Chemicals (Completed by Certified Laboratory) Lab Receipt Lab Analysis Lab Sample ID Analyte Name CAS No. Analytical MCL Lab MRL Result Date Date Method (mg/L)(mg/L) (mg/L)3/24/17 3/24/17 170324007-01 Fluoride 7681-49-4 EPA 300.0 0.09 1.22

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than (<) may also used,

mg/L: Milligrams per Liter

MCL: Maximum Contaminant Level

4/21/17 170324007-01

1/ 1

Drinking Water Chain of Custody

page lof 2

Compliance Samples: Yes M No 🗆

Colorado
~ i ii laigilea

LABORATORIES, INC.

Report To Information Bill To Information (if different from report to) State Form / Project Information Company Name: JDS-Hadro Consultants Company Name: SR WATER PWSID: CO 0121724 Contact Name: Mark Volle Contact Name: JIM MORLEY System Name: STERLENG RANCH MD Address 4.5 E. Pilles Peack Ave Address: 20 BOWDER CRESCENT Address:
20 BOWDER CRESCENT Suite 300 COLORADO
City SPACIOLES State Cozip 80903 State Ozip 80903 City State Co Zip & 0903 Phone: 119-227-0079 ax: County: Phone: Fax:

Email: imortey 3870(2001, com

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

	Sampler	Name: S	Rechanne Schwenkel	O No.:								S	end F	orme	to St	ate: 1	Yes 🗀	No	4												
		Task No.							P	HAS	E I,								7	hecl	C an	alysi	s)				Sub	cont	ract.	Anal	yses
Pag	· 170	324007		8	ni e	n P/A	BCP	Bs	des		SSE	ates	9	17									lex	ircle)	Sircle)	J	Seta				
Page 2 of 3		ARF		of Container	Residual Chlorine (mg/L) P/A Samples Only	Fotal Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	TTHMS	552.2 HAA5s	Lead/Copper	, ຍ	63	de	mics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	Ju2-560	Gross Alpha/Beta	Radium 226	m 228		HI I
	Date	Time	Client Sample ID / EP Code	No. of	Residu (mg/L P/A S	Total	504.1	505	515.4	524.2	525.2	531.1	547 G	548.1	549.2	524.2	552.2	Lead	Nitrate	Nitrite	Fluoride	Inorganics	Alk./I	T0C,	SUVA,	É	Gross	Radiu	Radium	Radon	Uranium
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	-	7257	4 3	<u> </u>										X																	
		1	#3 8:05	2							X																				
ļ		8:11	业十			X													Ĩ												
		7152	#5	1																							X				
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L		7:53	47	2																						X					
		7:58	#8-included in suith	7											X											-					
	V	7-59		1															\neg			×									
		5,03		1	,														X	X	×		X								
	Instruc	tions:	to Its Soy preservas bottle shipment. Pleas ove #8 no soon as I	tive	_ was	TI	201	nde	4		C/S I	nfo:									Sea	s Pre	sent '	/es [No	УH	eadsp	ace \	Yes 🛝	No	2
	Him	the k	pottle Shipment. Pleas	epi	reserve	1	xqu	tox												ſ		0				/				′	- 1
L		Sam	Ove #8 no soon as i	Joir	اد حدياء	2 +	156	يانو	Tre	nta	Deliv	ered/	Via:	او	d t	EX	C	/S Ch	arge	ום	Теп	う. IP	3,	C /lee	V	San	aple F	res.	Yes X	ANO!	
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Drinking Water Chain of Custody

Bill To Information (If different from report to)

Company Name: SR Water

Report To Information

Company Name: JDS-1+core Consultants

State Form / Project Information



LABORATORIES, INC.

Brighton Lab 240 South Main Street

Contact ?	Name: 1	Mark Volle Pikes Peak Ave	Contac	et Name:	lin	ν	Nor	ler	4	nt_		PWSI System System Addre	n Nai Ya V	me:	۲۵.	~^h	N	11		-			240 Brig	Sou ghto	n Laith M n, CC	lain : D 80:	601				
	5	Swite 300 StatCOZip 80903		de pr							-	City		_		State				.			Lak	Kewo	v. Ce od C 303-6	O 80	0228		: 100	A	
		127-00723 Ne@jdshydro.com	Phone:		1.0	0		Count								_					3-659 <u>lorac</u>		_	<u>n</u>							
Sampler!	Name:	tephanic Schwenk	PO No.	.:	<i>د</i>						- 1	end I																			
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Date 3-23	Time	Client Sample ID / EP Code	8.0	Resid (mg/L P/A S	Total	504.1	505	515.4	14	525.2	531.1	547 G	548.1	\$49.2	524.2	552.2	Lead/	Nitrate	Nitrite	Fluoride	Inorganics	Alk./L		SUVA,	Cyc	Gross,	Radium 226	Radium 228	Radon	Uranium	6
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Inorganic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

IOC

		or Completed by Pub				ed or Completed b			Eg., 1
PWSID#: COO		Water System Inform	artion	Laboratory	ID: CO 0015	fied Laboratory I	<u>nformation</u>		
System Name:	Sterling Ranch M	fD -	·	Laboratory	Name: Colorado A	nalytical Laborator	ry	-	-i -
Contact Persor	n: Mark Volle		Phone #:	Contact Pe	rson: Customer Serv	vice Pho	ne: 303-659	9-2313	
Comments:			Do Samples Need to be Composited BY THE LAB?	Comments	:		,,,		
			Section III (Supplied or Comp	pleted by Pub	lie Water System)				
Sample Date: 3	/23/17 Coll		/e Facility ID (On Schedule):	New Well	Sample	Pt ID (On Schedu	le): New	Well	
			ection IV Inorganic Chemicals (Completed by		y)			
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name		CAS No.	Analytical Method	MCL (mg/L)	Lab MRI. (mg/L)	Result (mg/L)
3/24/17	3/29/17	170324007-01A	Antimony		7740-36-0	EPA 200.8	0.006	0.001	BDL
3/24/17	3/29/17	170324007-01A	Arsenic		7440-38-2	EPA 200.8	0.01	0.001	0.002
3/24/17	3/29/17	170324007-01A	Barium		7440-39-3	EPA 200.8	2	0.001	0.003
3/24/17	3/29/17	170324007-01A	Beryllium		7440-41-7	EPA 200.8	0.004	0.001	BDL
3/24/17	3/29/17	170324007-01A	Cadmium		7440-43-9	EPA 200.8	0.005	0.001	BDL
3/24/17	3/29/17	170324007-01A	Chromium		7440-47-3	EPA 200.8	0,1	0.001	BDL
3/24/17	3/29/17	170324007-01A	Mercury		7439-97-6	EPA 200.8	0.002	0.0001	BDL
3/24/17	3/29/17	170324007-01A	Nickel		7440-02-0	EPA 200.8	N/A	0.001	0.001
3/24/17	3/29/17	170324007-01A	Selenium		7782-49-2	EPA 200.8	0.05	0.001	BDL
3/24/17	3/30/17	170324007-01A	Sodium		7440-23-5	EPA 200.7	N/A	0.1	52.8

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter

MCL: Maximum Contaminant Level

Drinking Water Chain of Custody

page lof 2

Colorado

LABORATORIES, INC.

i	Report To Information	Bill To Information (If different from report to)	State Form / Project Information
	Company Name: JDS-Hadro Consultant	Company Name: SR WATER	
	Contact Name: Mark Volle	Contact Name: JTM MORLEY	PWSID: CO O121724 System Name:
	Address:	Address:	STERVENG RANCH MD
	Address; 45 E. Pillesteak Ave	Address: 20 BOWLDER CRESCENT	Address: 20 BOWDER CARSCEUT
	Suite 300		
	City C.S State Ozip 80963	COORADO City SPACULS State Collin 80905	City Sels State Co Zip \$0909
	Phone: 119-227-0072 ax:	Phone: Fax:	County: El Paso
	Email: M Volka Whide Com	Emple imater 38700001 com	Compliance Samples Van (7/2) [7]

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Sample	r Name: 🕒	Hermine Juniven	KELPO No.:								S	end F	orm	to St	ate: \	Yes [No													
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Page 2 of 3	ARF		No. of Containers	Residual Chiorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	TTHMs	552.2 HAA5s	Lead/Copper	E	يو	ide	Inorganics	Alk/Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	103-Sep	Gross Alpha/Beta	Radium 226	Radium 228	_	mn.
Date	Time	Client Sample ID / EP Cod	le S	Resid (mg/l P/A S	Tota	504.	505	515.	524.	525.	531.	547 (548.	549.	524.	552.2	Lead	Nitrate	Nitri	Fluoride	Inorg	AIR	ည်	SUVA	3	Gross	Radiu	Radi	Radon	Uranium
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Drinking Water Chain of Custody



Brighton Lab 240 South Main Street Brighton, CO 80601

Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Report To Information		
Neport 10 information	Bill To Information (If different from report to)	State Form / Project Information
Company Name: JDS-1+ydro Consultants		PWG10. (5 01 31734
Contact Name: Mark Volle	Contact Name: Jim Morley	Surtem Names
		System Name: Ser line Ranch Mb Address:
Address: 45 E. Pikes Peak Ave	Address: Do Boulder Cresent	Address: Boulder Cresent
Suite 300		
City CS Stat COZip 80903	CIOCOLSAD Starle Zip 20903	City CS State Zip 20903
Phone: 119-227-007:3	Phone: Fax:	County: El Paso
Email: Mvolle@jdshydro.com	Email: jmortey 3870@ast.com	Compliance Samples: Yes 1 No 🗆
Sampler Name: Kerrange Schwenke	PO No.:	Send Forms to State: Yes No. 10

CAL Task No. 170324007							•		PHA	SE I	, II, \	V Dr	inki	ng V	Vate	r An	alys	es (c	hecl	an:	alysi	 s)				Subcontract Analyses							
Page 3 of 3		24007 RF	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	Tog, Doc (Circle)	SUVA, UV 254 (Circle)	Cyanile	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium			
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Analytical Results

TASK NO: 170324007

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water 20 Boulder Crescent St.

Colorado Springs CO 80903

Task No.: 170324007

Client PO:

Client Project: Sterling Ranch MD C00121724

Date Received: 3/24/17

Date Reported: 4/21/17

Matrix: Water - Drinking

Customer Sample ID Sterling Ranch MD

Sample Date/Time: 3/23/17

8:03 AM

Lab Number: 170324007-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	99.7 mg/L as CaCO3	SM 2320-B	0.1	3/28/17	VDB
Calcium as CaCO3	2.5 mg/L	SM 3111-B	0.1	3/30/17	MBN
Carbonate	< 0.1 mg/L as CaCO3	SM 2320-B	0.1	3/28/17	VDB
Langelier Index	-1.23 units	SM 2330-B		3/31/17	LJG
pH	8.16 units	SM 4500-H-B	0.01	3/24/17	MBN
Temperature	20 °C	SM 4500-H-B	1	3/24/17	MBN
Total Alkalinity	99.7 mg/L as CaCO3	SM 2320-B	0.1	3/28/17	VDB
Total Dissolved Solids	143 mg/L	SM 2540-C	5	3/29/17	ISG

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L = Micrograms Per Liter or PPB mpn/100 m/s = Most Probable Number Index/ 100 m/s Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY

Drinking Water Chain of Custody

Blli To Information (If different from report to)

Company Name: SR WATER

Contact Name: JIM MORLEY

Report To Information

Company Name: IDS-Hadro Consultants

Contact Name: Mark Volle

page lof 2

State Form / Project Information

PWSID: CO 0121724 System Name:



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

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	City CS State Ozip 80903	State Dzip 80903 CIEV SPACULGS									City Sees State Co Zip 80903										1	Phor	ne: 3	03-6	59-2	313						
	Phone: 119-227-0072 ax:	Phone:									County: El Paso										Fax: 303-659-2315											
	Email: M Valle@jdshydre.Com	: M volk@jdshydro.com Emall: jmorter																		. www.coloradolab.com												
	sampler Name: Stephante Schwenke							Send Forms to State: Yes No No																								
	CAL Task No.						P	HAS	E I,	11, \	/ Dr	inkiı	ng V	Vater	r Ans	lyse	s (ch	eck a	nal	ysis))				Sub	cont	ract .	Analy	yses			
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age 2 of 3	ARF	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOC5-Pest	531.1 Carbamates	547 Glyphosate	Endothall	Diquat	524.2 TTHMs	552.2 HAA5s	Copper	. 9	e l	ide	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	705-560	Gross Alpha/Beta	Radium 226	Radium 228	-	um.			
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Drinking Water Chain of Custody

Bill To Information (if different from report to)

Company Name: SR Water

Report To Information

Contact Name: Mark

Company Name: JDS-14cdro Consultants

State Form / Project Information



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

	Address: St. Pikes Peak Ave Address: Do Boulder Cresent											System Name: Sterling Ranch MD Address: So Boulder Cresent										2 TV SUBLILIVIAID SICECI											
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			Phone:		_	2.77-	Far	<u></u>	2			County: El Paso															-						
Eman:	77(10	He@jdshydro.com	Email:	Twork	5	->8	106	200	21 00	(.07	7	Compliance Samples: Yes No									www.coloradolab.com												
Sample	r Name: \-	teprank Schwenke	PO No.	:			_					Send Forms to State: Yes No. 12																					
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Date	Time	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	this too	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Jk./La	(TOG, DOC (Circle)	SUVA, UV 254 (Circle)	Cyanile	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium	6		
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Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

NOX

	Section I	(Supplied or Complet	ted by Public V	Water System			Section II (Supplied or Con	pleted by Cer	rtified La	boratory)	
		Public Water Syst	em Informati	on				Certified Labor				
PWSID	#: CO0121724					Laborato	y ID: CO 0015	5				
System	Name: Sterling	Ranch MD				Laborato	ry Name: Color	rado Analytical I	aboratory		·	
Contact	Person: Mark	Volle		Phone #: 719	9-227-0072	Contact I	erson: Custom	er Service	Phone: 3	303-659-2	2313	
Comme	nts:					Commen	its:					
Se	ction III (Suppl	ied or Completed by I	Public Water S	ystem)		Sect	ion IV (Supplie	ed or Completed l	by Certified L	aborator	y)	
Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Laboratory Sample ID #	Analyte	Analytical Method	MCL (mg/L)	Lab MRI. (mg/L)	Result (mg/L)
0.10.0.10.0	4 4 44 4	New Well	New Well		2/24/17	2/24/17	170324007-01	Nitrate Nitrogen	EPA 300.0	10		
3/23/17	tephanie Schwenk	New Well	New Well	;	3/24/17	3/24/17	1/032400/-01	LAURAGE LAUROSCH	EPA 300.0	10	0.1	BDL

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter

MCL: Maximum Contaminant Level

Drinking Water Chain of Custody

page lot 2

Colorado) l
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LABORATORIES, INC.

Report To Information	Bill To Information (If different from report to)	State Form / Project Information
Company Name: JDS-Hadro Consultants	Company Name: SR WATER	
Contact Name: Mark Volle	Contact Name: JIM MORLEY	PWSID: CO 0(2\724 System Name:
		STERVENG RANCH MD
Address: 45 E. Pilesteak Ave	Address: 20 BOWDER CRESCENT	Address: 20 BOWDER CRESCENT
Suite 300		The first of the f
City CS state Ozip 80903	COLORADO City SPACULS State COZID 80908	City SPLS State CO Zip & O903
Phone: 119-227-0072 2x:	Phone: Fax:	County: El Paso
Emall: M Volle@ idshudro.com	Emall: imater 3870(d) and com	Compliance Samples, Ver III No 🗆

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Sample	r Name: C	reprime sonice	TILE LEO NO	u:							S	end F	orms	to St	ate:	Yes 🗌	No													
_ CAL	. Task No.							P	HAS	SE I,	11, \	V Dr	inki	ng V	Vate	r An	alys	es (c	hecl	(an	alysi	5)				Sut	cont	ract	Ana	lyse
)324007 ARF		apo No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Fotal Coliform P/A	504.1 EDB/DBCP	Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	Slyphosate	Endothall	Diquat	524.2 TTHMs	552.2 HAA5s	Copper	ie ,	Ð	ide	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	103-5cal	Gross Alpha/Beta	Radium 226	ım 228	-	E
Date	Time	Client Sample ID / EP Co	ode 2	Resid (mg/l P/A S	Tota	504.	505	515.4	524.2	525.	531.1	547(548.1	549.2	524.2	552.2	Lead	Nitrate	Nitri	Fluoride	Inorg	Alk/	TOC	SUVA	E	Gross	Radin	Radium	Radon	Uranium
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Drinking Water Chain of Custody

page 2012



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Report To Information	Bill To Information (If different from report to)	State Form / Project Information
Company Name: JDS-1-tradre Consultants	Company Name: SR Water	PWSID: CO 0121724
Contact Name: Mark Volle	Contact Name: Tim Morley	Sustam Names
Address	3	Sterling Ranch MD
Address: 45 E. Pikes Peak Ave	Address: Do Bowder Cresent	Address: Builder Cresent
Suite 300		
City CS Stat COZID 80903	City Colores State Zip 80903	City CS State Zip 20903
Phone: 119-227-0073	Phone: Fax:	County: El Paso
Email: Mvolle@jdshydro.com	Email: marley 3870 Cast.com	
Sampler Name: Kprank Schwerke	PO No.:	Send Forms to State: Yes 🗆 No. 🍙

AL Ta	sk No.							P	HAS	E I,	II, \	/ Dr	inki	ng V	ate	r An	alys	es (c	hecl	(ans	lysi	5)				Sub	cont	ract .	Ana	lyses]
	RF	Client Sample ID / EP Code	. of Containers	sidual Chlorine g/L) A Samples Only	ital Coliform P/A	4.1 EDB/DBCP	5 Pests/PCBs	des	to the	5.2 SOCs-Pest	1.1 Carbamates	7 Glyphosate	8.1 Endothall	9.2 Diquat	4.2 TTHMs	2.2 HAA5s	ad/Copper	rate	rite	oride	rganics	./Lang. Index	A, DOC (Circle)	/A, UV 254 (Circle)	Vanile	ss Alpha/Beta	Jium 226	lium 228	lon	mium	1
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	All the 2.3	3:26 8:26 8:26 8:27 8:23 8:23	ARF Time Client Sample ID / EP Code 3 8:01 #11 6:00 a. #12 3:26 #13 8:32 #15 8:32 #15 8:32 #17 8:33 #18 8:39 #30 Fructions: Receive	70324007 ARF Time Client Sample ID / EP Code 2 2 3 3 3 4 3 3 4 3 3 4 3 3	ARF Time Client Sample ID / EP Code Signal H Signal Client Sampl	ARF Time Client Sample ID / EP Code 3 \$\frac{1}{2} \frac{1}{2} \	ARF Time Client Sample ID / EP Code Signal Client	ARF Time Client Sample ID / EP Code Signal Client	ARF Time Client Sample ID / EP Code Signal Chousiners Signal H Signal Chounce Signal	ARF Time Client Sample ID / EP Code Signal Chlorine Wesignal Chlorine Sind H 15 Sind H 15 Sind H 16 Sind H 17 Sind H 18 Sind H 19 Sin	ARF Time Client Sample ID / EP Code Single Holoides Si	ARF Time Client Sample ID / EP Code Solve Fig. 12 Solve Fig. 12 Solve Fig. 13 Solve Fig. 14 Herbicides Solve Fig. 15 Solve Fig. 15 Solve Fig. 16 Solve Fig. 17 Solve Fig. 17 Solve Fig. 18 Solve Fig. 18 Solve Fig. 19 Solve Fi	ARF Time Client Sample ID / EP Code Solver F 200 and F 200 a	ARF Time Client Sample ID/EP Code Washing Client Sample ID/EP Code Wash	ARF Time Client Sample ID / EP Code Residual Chlorine Residual Chlo	ARF Time Client Sample ID / EP Code Washington A Social Coliform Plans State of St	ARF Time Client Sample ID / EP Code Washing Client Sample ID / E	ARF Time Client Sample ID / EP Code Washington Color (mg/L) Wood I EDB/DBCP Sold I EDB/	ARF Time Client Sample ID/EP Code Time Client Sample ID/EP Code Washing	ARF Time Client Sample ID / EP Code Solution Process Comparison States of the Color of Containers of Contain	ARF Time Client Sample ID/EP Code Time Client Sample ID/EP Code Samples Only Sampl	ARF Time Client Sample ID/EP Code Segretary Continues Resignal Cyloride ARF Time Client Sample ID/EP Code ARF ARF ARF ARF ARF ARF ARF AR	ARF Time Client Sample ID/EP Code Sear Particides Sear Part Colligum	ARF Time Client Sample ID / EP Code Alf / London Bi	ARF Client Sample ID/EP Code Sample Client Sample ID/EP Code Willing Client Sample ID/EP Code William Cl	ARF Time Client Sample ID/EP Code Valuation of the processor of the proc	ARF Time Client Sample ID/EP Code Valuable II	ARF Client Sample ID / EP Code Client Sample ID / EP Code Code	ARF	ARF	ARF



Organic Chemicals Certified Laboratory Report Form WQCD - Drinking Water CAS Submit Online at http://www.wqcdcompliance.com/login

Revised 4/13/2015

VOC/SOC

Section I (Supplied or Complete Public Water Syste			mpleted by Certified Laboratory) oratory Information
PWSID#: CO0121724		Laboratory ID: CO 00063	OTALOLY MIOLINIALION
System Name: Sterling Ranch MD	 	Laboratory Name: Colorado Analytical	Laboratory
Contact Person: Mark Volle	Phone #: 719-227-0072	Contact Person: Customer Service	Phone: 303-659-2313
Comments:	Do Samples Need to be Composited BY THE LAB?	Comments:	

PWSID#: CO012	21724			Section V (Supplied or Complete	ed by Public Wa	ter System)				
Sample Date: 3/2	23/17	Collector:	Stephanie S	chwenk Facility ID (On Schedule):	New Well		Pt ID (On Schedule):	New We	<u>.</u>	
				Synthetic Organic Chemicals (Suppl						
Lab Receipt Date	Lab Analysis Date	Lab Sa	ample ID	Analyte Name		CAS No	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Resul (ug/L
3/24/17	4/3/17	170324	1007-01E	Dibromochloropropane		96-12-8	EPA 504.1	0.2	0.02	BDL
3/24/17	3/29/17	170324	007-01G	2,4,-D		94-75-7	EPA 515.4	70	0.1	BDL
3/24/17	3/29/17	170324	007-01G	2,4,5-TP		93-72-1	EPA 515.4	50	0.2	BDL
3/24/17	3/31/17	170324	4007-01T	Alachlor	1	5972-60-8	EPA 525,2	2	0.2	BDL
3/24/17	3/31/17	170324	1007-01J	Aldicarb		116-06-3	EPA 531.1	N/A	0.6	BDL
3/24/17	3/31/17	170324	4007-01J	Aldicarb sulfone		1646-88-4	EPA 531.1	N/A	1	BDI
3/24/17	3/31/17	170324	4007-01J	Aldicarb sulfoxide		1646-87-3	EPA 531.1	N/A	0.7	BDI
3/24/17	3/31/17	170324	4007-01I	Atrazine		1912-24-9	EPA 525.2	3	0,1	BDI
3/24/17	3/31/17	170324	4007-011	Benzo(a)pyrene		50-32-8	EPA 525.2	0.2	0.02	BDI
3/24/17	3/31/17	170324	1007-01J	Carbofuran	·	1563-66-2	EPA 531.1	40	0.9	BDI
3/24/17	3/30/17	170324	007-01F	Chlordane		57-74-9	EPA 505	2	0.2	BDL
3/24/17	3/29/17	170324	007-01G	Dalapon	-	75-99-0	EPA 515.4	200	1	BDL
3/24/17	3/31/17	170324	4007-01I	Di(2-ethylhexyl)adipate		103-23-1	EPA 525.2	400	0.6	BDL
3/24/17	3/31/17	170324	1007-011	Di(2-ethylhexyl)phthalate		117-81-7	EPA 525.2	6	0.6	BDI
3/24/17	3/29/17	170324	007-01G	Dinoseb		85-85-7	EPA 515.4	7	0.2	BDL
3/24/17	3/24/17	170324	007-01L	Diquat		85-00-7	EPA 549.2	20	0.4	BDL
3/24/17	3/29/17	170324	007-01K	Endothall		145-73-3	EPA 548,1	100	9	BDL
3/24/17	3/30/17	170324	007-01F	Endrin		72-20-8	EPA 505	2	0.01	BDL
3/24/17	4/3/17	170324	007-01E	Ethylene dibromide		106-93-4	EPA 504.1	0.05	0.01	BDL
3/24/17	3/31/17	170324	1007-011	Heptachlor		76-44-8	EPA 525.2	0.4	0.04	BDL
3/24/17	3/30/17	170324	007-01F	Heptachlor epoxide		1024-57-3	EPA 505	0.2	0.02	BDL

NT: Not Tested ug/L: Micrograms per Liter MCL: Maximum Contaminant Level BDL Below Laboratory MRL A less than sign (<) may also be used.

PWSID#; CO012	21724			Section V (Supplied or Complete	ed by Public Water	r System)				
Sample Date: 3/	23/17	Collector:	Stephanie S	chwenk Facility ID (On Schedule):	New Well		e Pt ID (On Schedule):	New Wo	ell .	·
				ynthetic Organic Chemicals (Suppl		by Certifie	d Laboratory)	7.0.	JAX.	
Lab Receipt Date	Lab Analysis Date	Lab Sa	ample ID	Analyte Name		AS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
3/24/17	3/30/17	170324	4007-01F	Hexachlorobenzene	11	8-74-1	EPA 505	1	0.1	BDL
3/24/17	3/30/17	170324	1007-01F	Hexachlorocyclopentadiene	77	7-47-4	EPA 505	50	0.1	BDL
3/24/17	3/30/17	170324	4007-01F	Lindane	58	8-89-9	EPA 505	0.2	0.02	BDL
3/24/17	3/30/17	170324	1007-01F	Methoxychlor	72	2-43-5	EPA 505	40	0.1	BDL
3/24/17	3/31/17	170324	4007-01J	Oxamyl	231	35-22-0	EPA 531.1	200	1	BDL
3/24/17	3/29/17	170324	1007-01G	Pentachlorophenol	87	7-86-5	EPA 515.4	1	0.04	BDL
3/24/17	3/29/17	170324	1007-01G	Pictoram	191	18-02-1	EPA 515.4	500	0.1	BDL
3/24/17	3/30/17	170324	1007-01F	Polychlorinated biphenyl's	133	36-36-3	EPA 505	0.5	0.1	BDL
3/24/17	3/31/17	170324	4007-011	Simazine		2-34-9	EPA 525.2	4	0.07	BDL
3/24/17	3/30/17	170324	1007-01F	Toxaphene		01-35-2	EPA 505	3	1	BDL

2/2 4/21/17

Drinking Water Chain of Custody

page lot 2

Compliance Samples: Yes 🗷 No 🔲



LABORATORIES, INC.

Report To Information	Bill To Information (if different from report to)	State Form / Project Information
Company Name: JDS-Hadro Consultant	Company Name: SR WATER	PANSID. CO. OIOLTON
Contact Name: Mark Volle	Contact Name: JIM MORLEY	PWSID: CO 0121724 System Name:
Address: 45 E. Pilles Peak Ave	Address: BOWDER CRESCENT	STERVENG RANCH MD Address: 20 BOWDER CRESCENT
Suite 300		And the state of t
City CS State Ozip 80903	Color ADU City SPACULS State Collip 80903	City SPLS State CO Zip 80905
Phone: 119-227-007-	Phone: Fax:	County: El Paso

hydro. Com Email: jmortey 3870@aol.com

Brighton Lab 240 South Main Street Brighton, CO 80601

<u>Lakewood Lab</u> 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

	Sampler	Name: S	Hechanne Schw	senke po) Ne.:								S	end F	orms	to St	nte: 1	es [No	Y												
	_ CAL	Task No.	•							P	HAS	ξE I,	П, V	/ Dr	inki	ng V	/ate	r An	alys	s (cl	heck	ans	lysis	i)	····			Sub	cont	ract.	Anal	yses
Page 3 of 4	. 170	324007 ARF			No. of Containers	Residual Chlorine (mg/L.) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	OCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	iquat	THMs	AA5s	opper			0	ics	Alk/Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	103-50C	Gross Alpha/Beta	226	228		
4	Date	Time	Client Sample ID / EP	Code	No. of	Residua (mg/L) P/A San	Total C	504.1 E	505 Pe	515.4 F	524.2 VOCs	525.2 S	531.1 C	547 Gly	548.1 E	549.2 D	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk/La	TOC, D	SUVA, U	(a)S	Gross A	Radium 226	Radium	Radon	Uranium
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Drinking Water Chain of Custody



<u>Lab</u> h Main Street CO 80601

d Lab Cedar Dr, Suite 100A d CO 80228

3-659-2313 659-2315

radolab.com

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Report To Information	Bill To	Inform	nation	ı (If di	fferer	nt from	п гер	ort to)	1	S	tate	Form	/ Pro	ject I	nform	nation	n n					LABOH	IATO	HI
Company Name: JDS-1+ Larce Consultants	Compar	ny Nai	me:	<u>S</u> (<u> </u>	Va.	Je	4-4				_ ^	_		. ~	1 -7	1	. i				<u>Brig</u> l	htor	a !
Contact Name: Mark Volle	Contact	Name	T	in	v)	~~	10.					D: <u>C</u> a Nan		\mathcal{O}	12	1 1	9	7	_			240 S		
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Address: 45 E. Pikes Peak Ave	Address	: ~	ma ti	>	\ \ \		1		1	A	lddre	<u>5</u> 5:	7	,	<u>, </u>				_			T -1		
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Suite 300																						12866 Lake		
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Phone: 119-227-0073	Phone:					Fax	•				¹ount	y: E	1 5	کے د کے د								Fax:	303	-
1001/ 1100: 101 1					<i>/</i> 2-					+	, UMIII	y. L.	3 1	<u></u>					\dashv					
Email: Mvolle@jdshydro.com	Email:	mo	<u>418</u>	<u>م څ</u>	28]	06	702	<u> </u>	Or	<u> </u>	omp	iance	Sam	ples:	Yes	Z No						www	.cor	U
Sampler Name: Korange Sihvenke				ب						- 1					•									
Sampler Name: - Representation	PO No.:									S	end I	orms	to S	ate: \	Yes 🗌	No.								
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ARF	Containers		mples Only	Coliform	EDB/DBCP	ests/PCBs	erbi	省が	SOCs-Pest	Carbamates	yphosate	Indothall	Diquat	THMS	HAA5s	opper				ics	ng. I	ò	254	,
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	24007 RF Time	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	ides	401 E85	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	(Tog, Doc (Circle)	SUVA, UV 254 (Circle)	ayanide	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium	6
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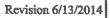


Radionuclides Certified Laboratory Report Form

WQCD - Drinking Water CAS

4300 Cherry Creek Drive South; Denver, CO 80246-1530

Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us



RAD

	Section 1	(Supplied or Completed by P	oblic Water System)	Section II (Supplied or Completed by Certified Laboratory)											
	Pt	ublic Water System Informatio	h		Certified La	aboratory Inform	nation								
PWS ID: CO01	21724			Laboratory ID	: CO 00008										
System Name: 9	Sterling Ranch N	/ID		Laboratory Name: Hazen Research, Inc.											
Contact Person			Phone #:	Contact Person	n: Jessica Axen		Phone #: 303-279-4501								
Comments:			Do Samples Need to be Composited BY THE LAB?	Comments:		· ·									
			Section III (Supplied	l or Completed	l by Public Water System)										
Sample Date:	03/23/2017	Collector:	Facility ID (On Schedule):	Sample Pt ID (On Schedule):											
			Section IV Radionuclides (S	applied or Completed by Certified Laboratory)											
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (C	Code)	CAS No.	Analytical Method	MCL	Lab MRL	Result						
03/24/2017	04/18/2017	C27017-001	Gross Alpha Including Un		12587-46-1	SM 7110 B	N/A	1.5	0.0(±1.5)						
	0 0 00.200		Combined Uranium	(4006)	7440-61-1	D2907-97	30 ug/L								
03/24/2017	04/07/2017	C27017-001	Radium -226 (4		13982-63-3	SM 7500-Ra B	N/A	0.1	0.4(±0.3)						
03/24/2017	03/30/2017	C27017-001	Radium -228 (4		15262-20-1	EPA Ra-05	N/A	0.6	0.2(±0.6)						
03/24/2017	04/18/2017	C27017-001	Gross Beta (41		12587-47-2	SM 7110 B	50 pCi/1.*	2.1	0.0(±2.0)						
		<u> </u>	Total Dissolved Solid			EPA 160.3	N/A								
*The MCL fo	r Gross Beta P	article Activity is 4 mrem/yea	ar. Since there is no simple o	onversion bet	ween mrem/year and pCi/L	EPA considers	50 pCi/L to b	e the level	of concern.						
			Section V Calculated V	alues											
	N	I/A	Gross Alpha Excluding U	ranium (4000)) Calculated Va	lue	15 pCi/L	N/A							
			Combined Radium {-226 &	& -228 } (4010)) Calculated Va	alue	5 pCi/L	N/A							

NT: Not Tested

Lab MRL: Laboratory Minimum Reporting Level

BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter pCi/L: Picocuries per Liter

MCL: Maximum Contaminant Level

Drinking Water Chain of Custody

Brighton, CO 80601 Brighton, CO 80601

Lakewood Lab 12860 W. Cedar Dr, Suite 101 Lakewood CO 80228

Phone: 303-659-2313 Fax: 303-659-2315

www.coloradolab.com

Send Forms to State: Yes 🔲 No 🔯 :.oN Oq Sampler Name: Compliance Samples: Yes No :lism3 Email: stuartnielson@coloradolab.com :эпон4 County: El Paso Fax: Fax:303-659-2315 Phone:303-659-2313 City: Colo Spgs :qiZ State: State: CO Zip: 80903 City: City: Brighton State: CO Zip: 80601 20 Boulder Crescent P.O. Box 507 System Address: :sssrbbA :ssanbbA Contact Name: Contact Name: Stuart Nielson System Name: Sterling Ranch MD PWSID: CO0121724 Company Name: Same Company Name: Colorado Analytical Labs State Form / Project Information (of thorn mort from fifth it is the state of Report To Information

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Delivered Vis: HO C/S Charge Temp. °C /Ice Sample Pres. Yes No	V
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& -228. C/S Info: Seals Present Yes \(\text{No} \) Headspace Yes \(\text{No} \)	Instructions: Gross Alpha, without Radon & Uranium. ** Combined Radium -22d Please print results on Colorado State form but do not submit to CDPHE. Thank y
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Pests/PCBs 4 Herbicides 2 VOCs 2 VOCs 2 SOCs-Pest 1 Carbamates Glyphosate 1 Endothall 2 Diquat 2 TTHMs 2 HAA5s 2 HAA5s 2 HAA5s Copper tte tte tte tte tte tte tte	No. of Containers No. of Containers No. of Containers P/A Samples Only South EDB/DBCP P/A South
	170324007
PHASE I, II, V Drinking Water Analyses (check analysis) Subcontract Analyses	CAL Task No.



Analytical Results

TASK NO: 170324007

Report To: Mark Volle

Company: JDS Hydro Consultants

545 E. Pikes Peak Ave

Suite 300

Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water

20 Boulder Crescent St. Colorado Springs CO 80903

Task No.: 170324007

Client PO:

Client Project: Sterling Ranch MD C00121724

Date Received: 3/24/17

Date Reported: 4/21/17

Matrix: Water - Drinking

Customer Sample ID Sterling Ranch MD Sample Date/Time: 3/23/17

Lab Number: 170324007-01

Facility ID: New Well Sample Point ID: New Well

Test	Result	Method	ML	Date Analyzed	Analyzed By
Chloride	1.3 mg/L	EPA 300.0	0.1 mg/L	3/24/17	LJG
Cyanide-Free	< 0.005 mg/L	EPA 335.4	0.005 mg/L	3/28/17	VDB
E-Coli	< 1 mpn/100ml	Colliert	1 mpn/100mi	3/25/17	VDB
Sulfate	10.7 mg/L	EPA 300.0	0.1 mg/L	3/24/17	LJG
Total Coliform	68 mpn/100ml	Colifert	1 mpn/100ml	3/25/17	VDB
Total Organic Carbon	< 0.5 mg/L	SM 5310-C	0.5 mg/L	3/28/17	ISG
Turbidity	1.08 NTU	SM 2130-B	0.01 NTU	3/24/17	MBN
Total					
Aluminum	0.032 mg/L	EPA 200.8	0.001 mg/L	3/29/17	TCD
Calcium	1.0 mg/L	EPA 200.7	0.1 mg/L	3/29/17	MBN
Copper	< 0.0008 mg/L	EPA 200.8	0.0008 mg/L	3/29/17	TCD
iron	0.180 mg/L	EPA 200.7	0.005 mg/L	3/30/17	MBN
Lead	0.0002 mg/L	EPA 200.8	0.0001 mg/L	3/29/17	TCD
Magnesium	0.06 mg/L	EPA 200.7	0.02 mg/L	3/29/17	MBN
Manganese	0.0071 mg/L	EPA 200.8	0.0008 mg/L	3/29/17	TCD
Potassium	1.0 mg/L	EPA 200.7	0.1 mg/L	3/29/17	MBN
Silver	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	3/29/17	TCD
Strontium	0.009 mg/L	EPA 200.8	0.005 mg/L	3/29/17	TCD
Total Hardness	2.7 mg/L as CaCO3	SM 2340-B	0.1 mg/L as CaCO3	3/30/17	MBN
Uranium	< 0.0002 mg/L	EPA 200.8	0.0002 mg/L	3/29/17	TCD
Zinc	0.002 mg/L	EPA 200.8	0.001 mg/L	3/29/17	TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L = Microgrems Per Liter or PPB mpn/100 m/s = Most Probable Number Index/ 100 m/s Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY



Analytical Results

TASK NO: 170324007

Report To: Mark Volle Company: JDS Hydro Consultants 545 E. Pikes Peak Ave Suite 300 Colorado Springs CO 80903

Bill To: Jim Morley Company: SR Water

20 Boulder Crescent St. Colorado Springs CO 80903

Task No.: 170324007

Client PO:

Client Project: Sterling Ranch MD C00121724

Date Received: 3/24/17 Date Reported: 4/21/17

Matrix: Water - Drinking

Customer Sample ID Sterling Ranch MD Sample Date/Time: 3/23/17

Lab Number: 170324007-01

Facility ID: New Well Sample Point ID: New Well

Test	Result	Method	ML	Date Analyzed	Analyzed By
<u>Total</u>					
Zinc	0.002 mg/L	EPA 200.8	0.001 mg/l	L 3/29/17	TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL mg/L = Milligrams Per Liter or PPM ug/L ≃ Micrograms Per Liter or PPB mpn/100 mls = Most Probable Number Index/ 100 mls Date Analyzed = Date Test Completed

DATA APPROVED FOR RELEASE BY

Drinking Water Chain of Custody

Bill To Information (if different from report to)

Contact Name: JIM MORLEY

Company Name: JDS-Hydro Consultants Company Name: SR WATER

Report To Information

Contact Name: Mark Holle

page lot 2

State Form / Project Information

PWSID: CO 0121724 System Name:

Colorado

LABORATORIES, INC.

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Brighte	on, CO	8060)1

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Com Email: jmortey 3870(2001.com) Sampler Name: Section Schwerke PO No.: CAL Task No. 170324007 ARF Date Time Client Sample ID/EP Code 3-23 7:55 #1 17:57 #3 8:05 3 8:05 3 4 5 5 7 7 80 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Suite 300 City C3 State Ozip 80903 City Space State Cozip 80903 City Space State Cozip 80903 City Space State Cozip 80903 Phone: 119-007-007 pax: Phone: Fax: Phone: Fax: Caopado State Cozip 80903 Cat Space State Cozip 80903 Cat Time My New School Residence of Space Space State Cozip 80903 ARF Date Time Client Sample ID/EP Code Space	Suite 3th Script SO PALLER CRESCENT 200 PRODUCTIVE SUITE 3th South State Coxid Book State C	Suite 3cc Suite 3cc City CS state Cozip 80903 City April State Cozip 80903 County: C State Cozip 80903 County: C State Cozip 80903 County: C State Cozip 80903 City April State Cozip 80903 County: C State Cozip 80903 City April State Cozip 80903 County Cozip 80903 City April State Cozip 80903 County Cozip 80903 County Cozip 80903 City April State Cozip 80903 County Cozi	Suite 3co Suite 3co City CS State Cozip 80905 City APROLES State Cozip 80905 County: El Phone: Fax: Fax: County: El Phone: Fax: Fax	Suite 3cc City CS state Ozip 80903 City Prone: 119-007-007 fax: Phone: 19-007-007 fax: Phone: Sampler Name: Section to State: Cozip 80903 City Prone: State Cozip 80903 City Prone: State Cozip 80903 City Prone: Fax: County: EI Pas Sampler Name: Section to State: To St	Suite 3co Suite 3co City CS state Ozip 80903 City CPACILE State Cozip 80903 County: El Paso County: El Pas	Suite 320 City CS stant Carp 80903 City Stant Carp 80903 County: El Paso County: El Paso Compliance Samples: Yes Mo Sampler Name: Decrease School Repond. Sampler Name: Decrease School Repond. CAL Task No. PHASE I, II, V Drinking Water Analyse ARF Date Time Client Sample ID / EP Code 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Suite 320 City CS stand Dzip 80903 City Spanics State Cozip 80903 City Spanics Cozip 80903 Countries Cozip 80903 City Spanics Cozip 80903 Countries Cozip 80903 Countries Cozip 80903 City Spanics Cozip 80903 Cozip 80903 Cozip 80903 City Spanics Cozip 80903 Cozip 80903 Cozip 80903 Cozip 80903 City Spanics Cozip 80903 Cozip 80903 Cozip 80903 Cozip 80903 Cozip 80903 City Spanics Cozip 80903 Cozip 80903 Cozip 80903 Cozip 80903 City Spanics Cozip 80903 City CS state Cozip 80903 City PROLES State Cozip 80903 County: El Paso Coun	Suite 3cd City C3 state C21p 80903 City 2000 Schape CARSCENT COUNTY: E1 PASS C	Suite 320 City C3 state Cozip 80903 Country: E1 Paso Country: E1 Paso Country: E1 Paso Country: E1 Paso Sampler Name: Sechinke Schwerke Po No: CAL Task No. PHASE I, II, V Drinking Water Analyses (check analysis of Sampler Name) PHASE I, II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke Schwerke Po No: Date Time Client Sample ID / EP Code Sampler Name: Sechinke Schwerke Po No: Date Time Client Sample ID / EP Code Sampler Name: Sechinke Schwerke In II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke Schwerke In II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke Schwerke In II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke Schwerke In II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II, II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II, V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II III V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II II V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II II V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II II V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II I I V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II I I V Drinking Water Analyses (check analysis of Sampler Name) Sampler Name: Sechinke II I I V Drink	Suite 320 City C3 State Cozip 80963 City C3 State Cozip 80963 City C3 State Cozip 80963 City C4 State Cozip 80963 Compiliance Sample: Yea In No III Sampler Name: Sechiate Schwerke Po No.: CAL Task No. 170324007 ARF Date Time Client Sample ID / EP Code Out 19 State 1	Suite 200 Suite 200 City 200 5 State CO Zip 80905 County: Elegan City 200 5 State CO Zip 80905 County: Elegan City 200 5 State Co Zip 80905 County: Elegan City 200 5 State Co Zip 80905 County: Elegan City 200 5 State Co Zip 80905 City 200 5 State Co Zip 80905 County: Elegan City 200 5 State Co Zip 80905 County: Elegan City 200 5 State Co Zip 80905 City 200 5 State Co Zip 80905 County: Elegan City 200 5 State Co Zip 8090	SUITE 25 STATE COZID BOAD CITY PROME: SUITE 250 WILLIAM COZID BOAD CITY PROME: SUITE 250 WILLIAM COZID BOAD CITY PROME: Phone: 19-007-007 Pas: Phone: Fax: County: E Pass Fax: 303 WWW.coli Phone: ARECENT Send Forms to State: Yet INO INDIANA ARE Call Task No. 170324007 ARE Date Time Client Sample ID / EP Code Suite 250 John Suite 250 Jo	Suite 3cc Phone: 19-27-007621 Fax: 303-659 Fax: 303-659 Www.colorad Www.colorad Sumpler Name: Schwerke 10 No. Sum	Suite 350 Suite 350 Noted Property State Cozip 8090 5 City Cosis State Cozip	Suite 350 City C3 State CO Zip 8090 5 City C3 State Co Zip	Suite State College State Coll		

Drinking Water Chain of Custody



LABORATORIES, INC.

Brighton Lab 240 South Main Street Brighton, CO 80601 Lakewood Lab 12860 W. Cedar Dr, Suite 100A

> Phone: 303-659-2313 Fax: 303-659-2315

> Lakewood CO 80228

www.coloradolab.com

Report To Information Bill To Information (If different from report to) State Form / Proje	et Information
	CL IDIOLINGUIQUI
Company Name: JDS-Hydro Consultants Company Name: SR Water	0121724
Contact Name: Mark VD10 Contact Name: 1500 Y VVV 244 System Name:	
3 Serting 8	anch MD
545 E. Piles Peak Ave Address: Do Boulder Cresent Address: Bu	ulder Cresent
Suite 300	
City CS State Dzip 80903 City CS State Dzip 80903 City CS	State Zip80903
Phone: 719-227-0073 Phone: Fax: County: E1 P	
Email: Mvolle@jdshydro.com Email: jmorley 3870@asl.com Compliance Sample	es: Yes 🗹 No 🗀
State of the state	*
Sampler Name: Korone Schwenke PO No.: Send Forms to State	te: Yes 🔲 No. 🌠

_ CAL	Task No.							PI	HAS	E I,	н, \	/ Dr	inkiı	ng V	/ater	· An	alys	es (c	hecl	k ans	llysis	5)				Sub	cont	ract .	Anal	yses	
,	324007 ARF		of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	ides	ADI INA	2 SOCs-Pest	1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	ıte	te	ride	Inorganics	Alk /Lang, Index	, DOC (Circle)	SUVA, UV 254 (Circle)	ande	Gross Alpha/Beta	Radium 226	Radium 228	u.	irm	
Date	Time	Client Sample ID / EP Code	No.	Residus (mg/L) P/A Sar	Tota	504	505	515	1	525.2	531.1	547	548	549.	524.	552.	Lead	Nitrate	Nitrite	Fluoride	Inor	Alk.	(B)	SUV/	J	Gro	Radi	Radi	Radon	Uranium	F
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	3:26	在14	3	· ·		X				\dashv							\exists				-7				$\neg \dagger$	\dashv	\exists				
1	8:18	# 5	2	4.									1		\top		\neg												x		
V	3:12	#16 (1,4 Diorane)	3							T		Ī																			1
	8,23	#17	2							T					\exists								X						\neg		1
	8-21	#18	1	2							X																				1
1/	8:15		3	Я			X						\neg	\neg														\neg			1
V	8:29	#90	3	′					X							\neg											\neg				1
Instru	etions: 1									C/S I															□ Hì						
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Billings, MT 800.735.4489 • Casper, WY 888.235.051 Gillette, WY 866.686.7175 • Helena, MT 877.472.071

ANALYTICAL SUMMARY REPORT

April 06, 2017

Colorado Analytical Laboratories Inc PO Drawer 507 Brighton, CO 80601

Work Order:

C17030850

Quote ID: C4542 - 624, 625, 1,4-Dioxane

Project Name:

170324007 Sterling Ranch MD

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 3/28/2017 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C17030850-001	170324007 Sterling Ranch MD	03/23/17 8:03	03/28/17	Groundwater	Azeotropic Distilation Separatory Funnel Liquid-Liquid Ext Semi-Volatile Organic Compounds 624-Purgeable Organics Volatile Compounds by Azeotropic Distillation

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Digitally signed by Randy Horton

Date: 2017.04.06 16:31:29 -06:00

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 886.686.7175 • Helena, MT 677.472.0711

CLIENT: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Work Order: C17030850

Report Date: 04/06/17

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.





LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170324007 Sterling Ranch MD

Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

._____

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

Analyses	Result U	nits Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
VOCS BY AZEOTROPIC DISTILLATION	N				
1,4-Dioxane	ND ug	/L	1.0	SW8260M	04/06/17 09:34 / eli-b
 Analysis by direct aqueous injection of the sar quantitate the 1,4-Dioxane and account for any 			oxane was	added to the sample prior t	to distillation and used to
VOLATILE ORGANIC COMPOUNDS					
Acetone	ND ug	/L	20	E624	03/31/17 16:09 / eli-b
Acetonitrile	ND ug	/L	20	E624	03/31/17 16:09 / eli-b
Acrolein	ND ug	/L	20	E624	03/31/17 16:09 / eli-b
Acrylonitrile	ND ug	/L	20	E624	03/31/17 16:09 / ell-b
Benzene	ND ug	/L	1.0	E624	03/31/17 16:09 / eli-b
Bromobenzene	ND ug	/L	1.0	E624	03/31/17 16:09 / eli-b
Bromochioromethane	ND ug		1.0	E624	03/31/17 16:09 / e[l-b
Bromodichloromethane	ND ug	/L	1.0	E624	03/31/17 16:09 / eli-b
Bromoform	ND ug	/L	1.0	E624	03/31/17 16:09 / eli-b
Bromomethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Carbon disulfide	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Carbon tetrachloride	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Chlorobenzene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Chlorodibromomethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Chloroethane	ND ug		1.0	E624	03/31/17 16:09 / eil-b
2-Chloroethyl vinyl ether	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Chloroform	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Chloromethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
2-Chlorotoluene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
4-Chlorotoluene	ND ug	/L	1.0	E624	03/31/17 16:09 / eli-b
1,2-Dibromoethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
Dibromomethane	ND ug		1.0	E624	03/31/17 16:09 / ell-b
1,2-Dichlorobenzene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,3-Dichlorobenzene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,4-Dichlorobenzene	ND ug		1.0	E624	03/31/17 16:09 / ell-b
Dichlorodifiuoromethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,1-Dichloroethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,2-Dichloroethane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,1-Dichloroethene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
cis-1,2-Dichioroethene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
trans-1,2-Dichloroethene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,2-Dichloropropane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
1,3-Dichloropropane	ND ug		1.0	E624	03/31/17 16:09 / eli-b
2,2-Dichloropropane	ND ug		1.0	E624	03/31/17 16:09 / ell-b
1,1-Dichloropropene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
cis-1,3-Dichloropropene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
trans-1,3-Dichioropropene	ND ug		1.0	E624	03/31/17 16:09 / eli-b
	ND ug		1.0	E624	03/31/17 16:09 / ell-b

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project: Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

Analyses	Result	Unife	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
reserved.	- Neartt	OFFICE	Acres 11 (C) 2	NL.	WOL MENIOR	Aridiyala Date / Dy
VOLATILE ORGANIC COMPOUNDS						
Methyl tert-butyl ether (MTBE)	ND	ug/L		2.0	E624	03/31/17 16:09 / eli-b
Methyl ethyl ketone	ND	ug/L		20	E624	03/31/17 16:09 / eli-b
Methyl isobutyl ketone	ND	ug/L		10	E624	03/31/17 16:09 / eli-b
Methylene chloride	ND	ug/L		1.0	E624	03/31/17 16:09 / ell-b
Naphthalene		ug/L		0.50	E624	03/31/17 16:09 / eli-b
Styrene	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Tetrachloroethene	ND	ug/L		1.0	E624	03/31/17 16:09 / ell-b
1,1,1,2-Tetrachloroethane	ND	_		1.0	E624	03/31/17 16:09 / eli-b
1,1,2,2-Tetrachloroethane	ND	_		1.0	E624	03/31/17 16:09 / eli-b
Toluene	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Trichloroethene	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0	E624	03/31/17 16:09 / ell-b
1,2,3-Trichloropropane	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Vinyl Acetate	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Vinyl chloride	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
n+p-Xylenes	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
>-Xylene	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Kylenes, Total	ND	ug/L		1.0	E624	03/31/17 16:09 / eli-b
Surr: 1,2-Dichloroethane-d4		%REC		71-139	E624	03/31/17 16:09 / eli-b
Surr: p-Bromofluorobenzene		%REC		80-127	E624	03/31/17 16:09 / eli-b
Surr: Toluene-d8		%REC		80-123	E624	03/31/17 16:09 / eli-b
		70:420		00-120	LUZT	U-119 1 60.04 1 11 101000
SEMI-VOLATILE ORGANIC COMPOU						
Acenaphthene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
Acenaphthylene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
Anthracene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
*zobenzene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
Benzidine	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
Benzo(a)anthracene		ug/L		10	E625	03/30/17 17:14 / eli-b
Benzo(a)pyrene		ug/L		10	E625	03/30/17 17:14 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10	E625	03/30/17 17:14 / elí-b
Benzo(k)fluoranthene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
-Bromophenyl phenyl ether	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
sutylbenzylphthalate	QN	ug/L		10	E625	03/30/17 17:14 / eli-b
-Chloro-3-methyiphenoi	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
is(-2-chloroethoxy)Methane	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
is(-2-chloroethyl)Ether	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
is(2-chloroisopropyl)Ether	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
2-Chloronaphthalene	ND	ug/L		10	E625	03/30/17 17:14 / eli-b
2-Chlorophenol	ND	ug/L		10	E625	03/30/17 17:14 / eli-b

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control (imit.

MCL - Maximum contaminant level.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170324007 Sterling Ranch MD

Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS				40		E005	00/00/47 47:44 / -!! 5
4-Chlorophenyl phenyl ether		ug/L		10		E625	03/30/17 17:14 / ell-b
Chrysene	ND	-		10		E625	03/30/17 17:14 / eli-b
Diethyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Oi-n-butyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
1,2-Dichlorobenzene	ND	_		10		E625	03/30/17 17:14 / ell-b
1,3-Dichlorobenzene	ND	_		10		E625	03/30/17 17:14 / eli-b
1,4-Dichlorobenzene	ND	•		10		E625	03/30/17 17:14 / eli-b
3,3'-Dichlorobenzidine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Dimethyl phthalate	ND	•		10		E625	03/30/17 17:14 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / ell-b
Dibenzo(a,h)anthracene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
1,6-Dinitro-2-methylphenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		E625	03/30/17 17:14 / ell-b
2,4-Dinitrotoluene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
ois(2-ethylhexyl)Phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Fluoranthene	ND	ug/L		10		E625	03/30/17 17:14 / ell-b
Fluorene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
-lexachiorobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
-lexachlorobutadiene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
-lexachloroethane	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
ndeno(1,2,3-cd)pyrene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
sophorone	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		E625	03/30/17 17:14 / ell-b
n-Nitroso-di-n-propytamine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
n-Nitrosodiphenylamine	ND	_		10		E625	03/30/17 17:14 / eli-b
2-Nitrophenol	ND	ug/L		10		E625	03/30/17 17:14 / ell-b
I-Nitrophenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
Naphthalene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Vitrobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Pentachlorophenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
Phenanthrene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Phenoi		ug/L		10		E625	03/30/17 17:14 / eli-b
Pyrene		ug/L		10		E625	03/30/17 17:14 / eli-b
1.2.4-Trichlorobenzene		ug/L		10		E625	03/30/17 17:14 / eli-b
2,4,6-Trichlorophenoi		ug/L		10		E625	03/30/17 17:14 / ell-b
Surr: 2-Fluorobiphenyi		%REC		28-107		E625	03/30/17 17:14 / eli-b
Surr: 2-Fluorophenol		%REC		20-56		E625	03/30/17 17:14 / eli-b
Surr: Nitrobenzene-d5		%REC		32-94		E625	03/30/17 17:14 / ell-b
		%REC		19-45		E625	03/30/17 17:14 / eli-b
Surr: Phenol-d5	21.0	70REC		[8-40		E020	03/30/17 17.14 / eti-b

Report

RL - Analyte reporting limit.

Definitions:

QCL - Quality control limit.

MCL - Maximum contaminant level.

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:

Colorado Analytical Laboratories Inc

Project:

170324007 Sterling Ranch MD

Lab ID:

C17030850-001

Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17

Collection Date: 03/23/17 08:03

DateReceived: 03/28/17

Matrix: Groundwater

Analyses	Result Units	Qualifiers RL	MCL/ QCL Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMP	OUNDS			
Surr: Terphenyl-d14	70.0 %REC	32-122	E625	03/30/17 17:14 / ell-b
Surr: 2,4,6-Tribromophenol	68.0 %REC	21-130	E625	03/30/17 17:14 / eli-b

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							An	alytical Run:	R27728
Lab ID: ccv033117	Continuing Ca	libration Ver	ification Standa	ard				03/31	/17 08:45
Acetone	58.0	ug/L	20	116	70	130			
Acetonitrile	56.4	ug/L	20	113	70	130			
Acrolein	56.4	ug/L	20	113	70	130			
Acrylonitrile	49.6	ug/L	20	99	70	130			
Benzene	5.08	ug/L	0.50	102	70	130			
Bromobenzene	5.04	ug/L	0.50	101	70	130			
Bromochioromethane	5.36	ug/L	0.50	107	70	130			
Bromodichloromethane	4.92	ug/L	0.50	98	70	130			
Bromoform	5.04	ug/L	0.50	101	70	130			
Bromomethane	4,28	ug/L	0.50	86	70	130			
Carbon disulfide	5.32	ug/L	0.50	106	70	130			
Carbon tetrachloride	5.80	ug/L	0.50	116	70	130			
Chlorobenzene	4.56	ug/L	0.50	91	70	130			
Chlorodibromomethane	5.04	ug/L	0.50	101	70	130			
Chloroethane	4.80	ug/L	0,50	96	70	130			
2-Chloroethyl vinyl ether	2.90	ug/L	1.0	58	70	130			s
Chloroform	5.60	ug/L	0.50	112	70	130			
Chloromethane	3,82	ug/L	0.50	76	70	130			
2-Chlorotoluene	5.00	ug/L	0.50	100	70	130			
4-Chlorotoluene	5.44	ug/L	0.50	109	70	130			
1,2-Dibromoethane	4.68	ug/L	0.50	94	70	130			
Dibromomethane	4.96	ug/L	0.50	99	70	130			
1,2-Dichlorobenzene	5.04	ug/L	0.50	101	70	130			
1,3-Dichlorobenzene	5.16	ug/L	0.50	103	70	130			
1,4-Dichlorobenzene	5.00	ug/L	0.50	100	70	130			
Dichlorodifluoromethane	5.20	ug/L	0.50	104	70	130			
1,1-Dichloroethane	4.9 6	ug/L	0.50	99	70	130			
1,2-Dichloroethane	6.24	ug/L	0.50	125	70	130			
1,1-Dichloroethene	5.12	ug/L	0.50	102	70	130			
cis-1,2-Dichloroethene	4.76	ug/L	0.50	95	70	130			
trans-1,2-Dichloroethene	5.00	ug/L	0.50	100	70	130			
1,2-Dichloropropane	4.88	ug/L	0.50	98	70	130			
1,3-Dichloropropane	4.88	ug/L	0.50	98	70	130			
2,2-Dichloropropane	5.72	ug/L	0.50	114	70	130			
1,1-Dichloropropene	5.44	ug/L	0.50	109	70	130			
cis-1,3-Dichloropropene	4.80	ug/L	0.50	96	70	130			
trans-1,3-Dichloropropene	4.84	ug/L	0.50	97	70	130			
Ethylbenzene	4.88	ug/L	0.50	98	70	130			
Methyl tert-butyl ether (MTBE)	5.20	ug/L	0.50	104	70	130			
Methyl ethyl ketone	54.0	ug/L	20	108	70	130			
Methyl isobutyl ketone	50.4	ug/L	20	101	70	130			
Methylene chloride	5.88	ug/L	0.50	118	70	130			
Naphthalene	5.08	ug/L	0.50	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17 Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Ana	ilytical Run:	R27728
Lab ID: ccv033117	Continuing Ca	dibration Veri	fication Stands	ird				03/31	/17 08:4
Styrene	4.52	ug/L	0.50	90	70	130			
Tetrachioroethene	4.68	ug/L	0.50	94	70	130			
1,1,1,2-Tetrachioroethane	4.72	ug/L	0.50	94	70	130			
1,1,2,2-Tetrachloroethane	4.96	ug/L	0.50	99	70	130			
Toluene	4.76	ug/L	0.50	95	70	130			
Trichlorcethene	4.92	ug/L	0.50	98	70	130			
1,1,1-Trichloroethane	5.72	ug/L	0.50	114	70	130			
1,1,2-Trichloroethane	4.72	ug/L	0.50	94	70	130			
Trichiorofluoromethane	4.88	ug/L	0.50	98	70	130			
1,2,3-Trichloropropane	5.24	ug/L	0.50	105	70	130			
Vinyl Acetate	5.32	ug/L	1.0	106	70	130			
Vinyl chloride	4.60	ug/L	0.50	92	70	130			
m+p-Xylenes	9.32	ug/L	0.50	93	70	130			
o-Xylene	4.52	ug/L	0.50	90	70	130			
Xylenes, Total	13.8	ug/L	0.50	92	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	107	71	139			
Surr: p-Bromofluorobenzene			0.50	102	80	127			
Surr: Toluene-d8			0.50	91	80	123			
Method: E624								Batch:	R27728
Lab ID:	Laboratory Co	ntrol Sample			Run: 5971/	A.I <u>.</u> 170331A		03/31	/17 09:19
Acetone	56.0	ug/L	20	112	55	144			
Acetonitrile	56.8	ug/L	20	114	54	142			
Acrolein	42.4	ug/L	20	85	16	233			
Acrylonitrile	48.4	ug/L	20	97	76	127			
Benzene	4.92	ug/L	0.50	98	73	122			
Bromobenzene	4.96	ug/L	0. 5 0	99	74	129			
Bromochloromethane	5.16	ug/L	0.50	103	66	120			
Bromodichioromethane	5.16	ug/L	0.50	103	74	128			
Bromoform	5.12	ug/L	0.50	102	66	128			
Bromomethane	4.76	ug/L	0.50	95	51	123			
Carbon disuifide	5.36	ug/L	0.50	107	46	145			
Carbon tetrachloride	5.72	ug/L	0.50	114	75	125			
Chlorobenzene	4.64	ug/L	0.50	93	80	123			
Chiorodibromomethane	5.32	ug/L	0.50	106	74	125			
Chloroethane	4.48	ug/L	0.50	90	59	142			
2-Chloroethyl vinyl ether	2.62	u g /L	1.0	52	36	144			
Chloroform	5.52	ug/L	0.50	110	68	124			
Chloromethane	3.77	ug/L	0.50	75	53	146			
2-Chlorotoluene	5.08	ug/L	0.50	102	75	131			
4-Chlorotoluene	5.36	ug/L	0.50	107	74	129			
					76	124			
1,2-Dibromoethane	4.64	ug/L	0.50	93	76	124			

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17 Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624								Batch:	R277281
Lab ID:	Laboratory Co	ntrol Sample			Run: 5971	A.I_170331A		03/31	/17 09:19
1,2-Dichlorobenzene	4.96	ug/L	0.50	99	74	124			
1,3-Dichlorobenzene	5.12	ug/L	0.50	102	77	122			
1,4-Dichlorobenzene	4.96	ug/L	0.50	99	76	126			
Dichlorodifluoromethane	5.60	ug/L	0.50	112	56	146			
1,1-Dichloroethane	4.72	ug/L	0.50	94	74	133			
1,2-Dichloroethane	5.76	ug/L	0.50	115	75	129			
1,1-Dichloroethene	5.16	ug/L	0.50	103	74	132			
cis-1,2-Dichloroethene	4.88	ug/L	0.50	98	81	122			
trans-1,2-Dichloroethene	5.12	ug/L	0.50	102	79	143			
1,2-Dichloropropane	4.60	ug/L	0.50	92	75	126			
1,3-Dichloropropane	4.68	ug/L	0.50	94	71	136			
2,2-Dichloropropane	5.68	ug/L	0.50	114	68	142			
1,1-Dichloropropene	5.00	ug/L	0.50	100	70	131			
cis-1,3-Dichloropropene	4.40	ug/L	0.50	88	74	135			
trans-1,3-Dichloropropene	4.84	ug/L	0.50	97	76	149			
Ethylbenzene	4.96	ug/L	0.50	99	72	130			
Methyl tert-butyl ether (MTBE)	5.12	ug/L	0.50	102	72	120			
Methyl ethyl ketone	52.0	ug/L	20	104	45	130			
Methyl isobutyl ketone	50.8	ug/L	20	102	58	135			
Methylene chloride	6.08	ug/L	0.50	122	66	142			
Naphthaiene	5.60	ug/L	0.50	112	69	124			
Styrene	4.56	ug/L	0.50	91	80	124			
Tetrachloroethene	4.72	ug/L	0.50	94	72	131			
1,1,1,2-Tetrachloroethane	4.64	ug/L	0.50	93	78	124			
1,1,2,2-Tetrachloroethane	4.76	ug/L	0.50	95	68	137			
Toluene	4,76	ug/L	0.50	95	72	135			
Trichloroethene	4.80	ug/L	0.50	96	85	126			
1,1,1-Trichloroethane	5.40	ug/L	0.50	108	63	120			
1,1,2-Trichloroethane	4.48	ug/L	0.50	90	78	124			
Trichlorofluoromethane	4.52	ug/L	0.50	90	72	120			
1,2,3-Trichloropropane	4.68	ug/L	0.50	94	64	138			
Vinyl Acetate	4.76	ug/L	1.0	95	31	124			
Vinyl chloride	4.76	ug/L	0.50	95	58	140			
m+p-Xylenes	9.08	ug/L	0.50	91	67	139			
o-Xylene	4.48	ug/L	0.50	90	74	135			
Xylenes, Total	13.6	ug/L	0.50	90	70	137			
Surr: 1,2-Dichloroethane-d4	10.0	-2-	0.50	109	71	139			
Surr: p-Bromofluorobenzene			0.50	102	80	127			
Surr: Toluene-d8			0.50	92	80	123			
Lab ID: blk033117	Method Blank				Run: 5971	.i_170331A		03/31	/17 10:18
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17 **Work Order:** C17030850

Analyte	Result	Units	RL	%REC Low Limit High Limit	RPD RPDLimit Qual
Method: E624					Batch: R277281
Lab ID: blk033117	Method Blank			Run: 5971A.I_170331A	03/31/17 10:18
Acrolein	ND	ug/L	20	_	
Acrylonitrile	ND	ug/L	20		
Benzene	ND	ug/L	0.50		
Bromobenzene	ND	ug/L	0.50		
Bromochloromethane	ND	ug/L	0.50		
Bromodichloromethane	ND	ug/L	0.50		
Bromoform	ND	ug/L	0.50		
Bromomethane	ND	ug/L	0.50		
Carbon disulfide	ND	ug/L	0.50		
Carbon tetrachloride	ND	ug/L	0.50		
Chlorobenzene	ND	ug/L	0.50		
Chlorodibromomethane	ND	ug/L	0.50		
Chioroethane	ND	ug/L	0.50		
2-Chloroethyl vinyl ether	ND	ug/L	1.0		
Chloroform	ND	ug/L	0.50		
Chloromethane	ND	ug/L	0.50		
2-Chiorotoluene	ND	ug/L	0.50		
4-Chiorotoluene	ND	ug/L	0.50		
1,2-Dibromoethane	ND	ug/L	0.50		
Dibromomethane	ND	ug/L	0.50		
1,2-Dichlorobenzene	ND	ug/L	0.50		
1,3-Dichlorobenzene	ND	ug/L	0.50		
1,4-Dichlorobenzene	ND	ug/L	0.50		
Dichlorodifiuoromethane	ND	ug/L	0.50		
1,1-Dichloroethane	ND	ug/L	0.50		
1,2-Dichloroethane	ND	ug/L	0.50		
1,1-Dichloroethene	ND	ug/L	0.50		
cis-1,2-Dichloroethene	ND	ug/L	0.50		
trans-1,2-Dichloroethene	ND	ug/L	0.50		
1,2-Dichioropropane	ND	ug/L	0.50		
1,3-Dichloropropane	ND	ug/L	0.50		
2,2-Dichloropropane	ND	ug/L	0.50		
1,1-Dichloropropene	ND	ug/L	0.50		
cis-1,3-Dichloropropene	ND	ug/L	0.50		
trans-1,3-Dichloropropene	ND	ug/L	0.50		
Ethylbenzene	ND	ug/L	0.50		
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.50		
Methyl ethyl ketone	ND	ug/L	20		
Methyl isobutyl ketone	ND	ug/L	20		
Methylene chloride	ND	ug/L ug/L	0.50		
Naphthalene	ND		0.50		
-	ND	ug/L	0.50		
Styrene Totrochloroothone		ug/L			
Tetrachloroethene	ND	ug/L	0.50		

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624								Batch:	R277281
Lab ID: blk033117	Method Blank				Run: 5971/	A.I_170331A		03/31	/17 10:18
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichlorofiuoromethane	ND	ug/L	0.50						
1,2,3-Trichloropropane	ND	ug/L	0.50						
Vinyl Acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: 1,2-Dichloroethane-d4		-9	0.50	105	71	139			
Surr: p-Bromofluorobenzene			0.50	104	80	127			
Surr: Toluene-d8			0.50	92	80	123			
Lab ID: b17031875-001dms	Sample Matrix	Spike			Run: 5971/	A.I_170331A		03/31	/17 14:12
Acetone	378	ug/L	100	109	55	144			
Acetonitrile	274	ug/L	100	110	54	142			
Benzene	24.6	ug/L	2.5	98	73	122			
Bromobenzene	24.8	ug/L	2.5	99	74	129			
Bromochloromethane	25.2	ug/L	2.5	101	66	120			
Bromodichloromethane	26.2	ug/L	2.5	105	74	128			
Bromoform	27.0	ug/L	2.5	108	66	128			
3romomethane	18.8	ug/L	2.5	75	51	123			
Carbon disulfide	26.4	ug/L	2.5	106	46	145			
Carbon tetrachloride	28.2	ug/L	2,5	113	75	125			
Chlorobenzene	22.8	ug/L	2.5	91	80	123			
Chlorodibromomethane	26.8	ug/L	2.5	107	74	125			
Chloroethane	20.2	ug/L	2.5	81	59	142			
Chioroform	33.2	ug/L	2.5	110	68	124			
Chioromethane	18.6	ug/L	2.5	74	53	146			
2-Chlorotoluene	24.8	ug/L	2.5	99	75	131			
4-Chlorotoluene	25.8	ug/L	2.5	103	74	129			
1,2-Dibromoethane	24.0	ug/L	2.5	96	76	124			
Dibromomethane	26.2	ug/L	2.5	105	77	125			
1,2-Dichlorobenzene	24.6	ug/L	2.5	98	74	124			
1,3-Dichlorobenzene	24.6	ug/L	2.5	98	77	122			
1,4-Dichlorobenzene	24.6	ug/L	2.5	98	76	126			
Dichlorodifiuoromethane	27.0	ug/L	2.5	108	56	146			
1,1-Dichloroethane	24.2	ug/L	2.5	97	74	133			
1,2-Dichloroethane	29.2	ug/L	2.5	117	75	129			

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624								Batch:	R27728
Lab ID: b17031875-001dms	Sample Matrix	Spike			Run: 5971	A.I_170331A		03/31	/17 14:12
1,1-Dichloroethene	26.6	ug/L	2.5	106	74	132			
cis-1,2-Dichloroethene	24.4	ug/L	2.5	98	81	122			
trans-1,2-Dichloroethene	25.8	ug/L	2.5	103	79	143			
1,2-Dichloropropane	23.0	ug/L	2.5	92	75	126			
1,3-Dichloropropane	22.4	ug/L	2.5	90	71	136			
2,2-Dichloropropane	28.0	ug/L	2.5	112	68	142			
1,1-Dichioropropene	25.2	ug/L	2.5	101	70	131			
cis-1,3-Dichloropropene	22.2	ug/L	2.5	89	74	135			
trans-1,3-Dichloropropene	24.6	ug/L	2.5	98	76	149			
Ethylbenzene	23.6	ug/L	2.5	94	72	130			
Methyl tert-butyl ether (MTBE)	25.6	ug/L	2.5	102	72	120			
Methyl ethyl ketone	268	ug/L	100	107	45	130			
Methyl isobutyl ketone	258	ug/Ĺ	100	103	58	135			
Methylene chloride	32.2	ug/L	2.5	129	66	142			
Naphthalene	27.6	ug/L	2.5	110	69	124			
Styrene	22.4	ug/L	2.5	90	80	124			
Tetrachloroethene	22.8	ug/L	2.5	91	72	131			
1,1,1,2-Tetrachioroethane	23.0	ug/L	2.5	92	78	124			
1,1,2,2-Tetrachioroethane	26.0	ug/L	2.5	104	68	137			
Toluene	24.4	ug/L	2.5	95	72	135			
Trichloroethene	23.8	ug/L	2.5	95	85	126			
1,1,1-Trichloroethane	26.8	ug/L	2.5	107	63	120			
1,1,2-Trichloroethane	23.4	ug/L	2.5	94	78	124			
Trichlorofluoromethane	21.2	ug/L	2.5	85	72	120			
1,2,3-Trichioropropane	26.2	ug/L	2.5	105	64	138			
Vinyl Acetate	24.4	ug/L	5.0	98	31	124			
Vinyl chloride	22.6	ug/L	2.5	90	58	140			
m+p-Xylenes	44.8	ug/L	2.5	90	67	139			
o-Xylene	22.6	ug/L	2.5	90	74	135			
Xylenes, Total	67.4	ug/L	2.5	90	70	137			
Surr: 1,2-Dichloroethane-d4			2.5	110	71	139			
Surr: p-Bromofluorobenzene			2.5	102	80	127			
Surr: Toluene-d8			2.5	93	80	123			
Lab ID: b17031875-001dmsd	Sample Matrix	Spike Duplicate			Run: 5971/	\.I_170331A		03/31	17 15:11
Acetone	410	ug/L	100	122	55	144	8.1	20	
Acetonitrile	262	ug/L	100	105	54	142	4.5	20	
Benzene	25.0	ug/L	2.5	100	73	122	1.6	20	
Bromobenzene	25.6	ug/L	2.5	102	74	129	3.2	20	
Bromochloromethane	25.2	ug/L	2.5	101	66	120	0.0	20	
Bromodichloromethane	27.2	ug/L	2.5	109	74	128	3.7	20	
Bromoform	28.4	ug/L	2.5	114	66	128	5.1	20	
Bromomethane	20.8	ug/L	2.5	83	51	123	10	20	

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPOLimit	Qual
Method: E624								Batch:	R277281
Lab ID: b17031875-001dmsd	Sample Matrix	Spike Duplicate			Run: 5971.	A.I_170331A		03/31	/17 15:11
Carbon disulfide	25.6	ug/L	2.5	102	46	145	3.1	20	
Carbon tetrachloride	28.6	ug/L	2.5	114	75	125	1.4	20	
Chlorobenzene	23.6	ug/L	2.5	94	80	123	3.4	20	
Chlorodibromomethane	28.0	ug/L	2.5	112	74	125	4.4	20	
Chloroethane	20.6	ug/L	2.5	82	59	142	2.0	20	
Chloroform	33.6	ug/L	2.5	111	68	124	1.2	20	
Chloromethane	19.3	ug/L	2.5	77	53	146	3.8	20	
2-Chlorotoluene	26.4	ug/L	2.5	106	75	131	6.2	20	
4-Chlorotoluene	27.2	ug/L	2.5	109	74	129	5.3	20	
1,2-Dibromoethane	24.0	ug/L	2.5	96	76	124	0.0	20	
Dibromomethane	26.8	ug/L	2.5	107	77	125	2.3	20	
1,2-Dichlorobenzene	25.8	ug/L	2.5	103	74	124	4.8	20	
1,3-Dichlorobenzene	26.0	ug/L	2.5	104	77	122	5.5	20	
1,4-Dichlorobenzene	25.4	ug/L	2.5	102	76	126	3.2	20	
Dichlorodifluoromethane	25.8	ug/L	2.5	103	56	146	4.5	20	
1,1-Dichloroethane	24.8	ug/L	2.5	99	74	133	2.4	20	
1,2-Dichloroethane	29,2	ug/L	2.5	117	75	129	0.0	20	
1.1-Dichloroethene	26.8	ug/L	2.5	107	74	132	0.7	20	
cis-1,2-Dichloroethene	25.2	ug/L	2.5	101	81	122	3.2	20	
trans-1,2-Dichloroethene	26.4	ug/L	2.5	106	79	143	2.3	20	
1,2-Dichloropropane	23.6	ug/L	2.5	94	75	126	2.6	20	
1,3-Dichloropropane	23,8	ug/L	2.5	95	71	136	6.1	20	
2,2-Dichloropropane	28.6	ug/L	2.5	114	68	142	2.1	20	
1,1-Dichloropropene	25.8	ug/L	2.5	103	70	131	2.4	20	
cls-1,3-Dichloropropene	23.2	ug/L	2.5	93	74	135	4.4	20	
trans-1,3-Dichloropropene	25.4	ug/L	2,5	102	76	149	3.2	20	
Ethylbenzene	25.0	ug/L	2.5	100	72	130	5.8	20	
Methyl tert-butyl ether (MTBE)	26.6	ug/L	2.5	106	72	120	3.8	20	
Methyl ethyl ketone	292	ug/L	100	117	45	130	8.6	20	
Methyl isobutyl ketone	286	ug/L	100	114	58	135	10	20	
Methylene chloride	31.4	ug/L	2.5	126	66	142	2.5	20	
Naphthalene	27.8	ug/L	2.5	111	69	124	0.7	20	
Styrene	22.8	ug/L	2.5	91	80	124	1.8	20	
Tetrachloroethene	23.8	ug/L	2,5	95	72	131	4.3	20	
1,1,1,2-Tetrachloroethane	23.2	ug/L	2.5	93	78	124	0,9	20	
1,1,2,2-Tetrachioroethane	27.4	ug/L	2.5	110	68	137	5.2	20	
Toluene	24.4	ug/L	2.5	95	72	135	0.0	20	
Trichloroethene	25.0	ug/L	2.5	100	85	126	4.9	20	
1,1,1-Trichioroethane	27.4	ug/L	2.5	110	63	120	2.2	20	
1,1,2-Trichloroethane	24.8	ug/L	2.5	99	78	124	5.8	20	
Trichlorofluoromethane	22.4	ug/L	2.5	90	72	120	5.5	20	
1,2,3-Trichloropropane	26.8	ug/L	2.5	107	64	138	2.3	20	
Vinyl Acetate	24.4	ug/L ug/L	5.0	98	31	124	0.0	20	
Auth Weigle	47.7	αAι ⊢	5.0	30	31	147	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

8illings, MT 880.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPOLimit	Qual
Method:	E824								Batch:	R277281
Lab ID:	b17031875-001dmsd	Sample Matrix	k Spike Duplicate			Run: 5971/	A.I_170331A		03/31	/17 15:11
Vinyl chlori	ide	22.8	u g /L	2.5	91	58	140	0.9	20	
m+p-Xylen	es	46.0	ug/L	2.5	92	67	139	2.6	20	
o-Xylene		23.4	ug/L	2.5	94	74	135	3.5	20	
Xylenes, To	otal	69.4	ug/L	2.5	93	70	137			
Surr: 1,2	2-Dichloroethane-d4			2.5	112	71	139			
Surr: p-8	3romofluorobenzene			2.5	105	80	127			
Surr: To	luene-d8			2.5	93	80	123			



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Units %REC Low Limit High Limit Analyte Result **RPD RPDLimit** Qual Method: Batch: 107942 Lab ID: MB-107942 Method Blank Run: SV5973N2.I_170330B 03/30/17 16:12 10 Acenaphthene ND ug/L ND 10 Acenaphthylene ug/L 10 Anthracene ND ug/L Azobenzene ND ug/L 10 **Benzidine** ND ug/L 10 10 Benzo(a)anthracene ND ug/L ND ug/L 10 Benzo(a)pyrene Benzo(b)fluoranthene ND ug/L 10 Benzo(g,h,i)perylene ND ug/L 10 Benzo(k)fluoranthene ND ug/L 10 ND 10 4-Bromophenyl phenyl ether ug/L Butylbenzylphthalate ND ug/L 10 ND 10 ug/L 4-Chloro-3-methylphenol bis(-2-chloroethoxy)Methane ND ug/L 10 bis(-2-chloroethyl)Ether ND ug/L 10 bis(2-chloroisopropyl)Ether ND ug/L 10 10 ND ug/L 2-Chloronaphthalene ND ug/L 10 2-Chlorophenol 10 4-Chlorophenyl phenyl ether ND ug/L Chrysene ND ug/L 10 10 Diethyl phthalate ND ug/L 10 Di-n-butyl phthalate ND ug/L 10 ND ug/L 1,2-Dichlorobenzene 10 1,3-Dichlorobenzene ND ug/L 1,4-Dichlorobenzene ND ug/L 10 3,3'-Dichlorobenzidine ND ug/L 10 2,4-Dichlorophenol ND ug/L 10 Dimethyl phthalate ND ug/L 10 10 Di-n-octyl phthalate ND ug/L ND ug/L 10 Dibenzo(a,h)anthracene 2,4-Dimethylphenoi ND ug/L 10 ND ug/L 50 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol ND ug/L 50 ND ug/L 10 2,4-Dinitrotoluene 2,6-Dinitrotoluene ND ug/L 10 ND ug/L 10 bis(2-ethylhexyl)Phthalate Fluoranthene ND ug/L 10 ND 10 Fluorene ug/L Hexachlorobenzene ND ug/L 10 ND 10 Hexachlorobutadiene ug/L Hexachlorocyclopentadiene ND ug/L 10 10 Hexachloroethane ND ug/L

Qualifiers:

RL - Analyte reporting limit.

Indeno(1,2,3-cd)pyrene

ND

ug/L

ND - Not detected at the reporting limit.

10

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Quai
Method: E625								Batc	n: 107942
Lab ID: MB-107942	Method Blank				Run: SV59	73N2.I_170330B		03/30	/17 16:12
Isophorone	ND	ug/L	10			-			
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	นg/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenanthrene	ND	ug/L	10						
Phenoi	ND	ug/L	10						
Pyrene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
Surr: 2-Fluorobiphenyl		-6	10	57	28	107			
Surr: 2-Fluorophenol			10	42	20	56			
Surr: Nitrobenzene-d5			10	62	32	94			
Surr: Phenol-d5			10	30	19	45			
Surr: Terphenyl-d14			10	80	32	122			
Surr: 2,4,6-Tribromophenol			10	68	21	130			
Lab ID: LCS-107942	Laboratory Con	troi Sample			Run: SV59	73N2.I_170330B		03/30	/17 16:43
Acenaphthene	89.1	ug/L	10	89	58	99			
Acenaphthylene	84.2	ug/L	10	84	57	96			
Anthracene	75.6	ug/L	10	76	60	107			
Azobenzene	78.0	ug/L	10	78	56	100			
Benzidine	53.1	ug/L	10	53	10	100			
Benzo(a)anthracene	86.4	ug/L	10	86	62	114			
Benzo(a)pyrene	84.7	ug/L	10	85	62	108			
Benzo(b)fluoranthene	89.8	ug/L	10	90	48	127			
Benzo(g,h,i)perylene	87.2	ug/L	10	87	62	121			
Benzo(k)fluoranthene	84.0	ug/L	10	84	55	111			
4-Bromophenyl phenyl ether	87.1	ug/L	10	87	58	105			
Butylbenzylphthalate	90.8	ug/L	10	91	60	113			
4-Chloro-3-methylphenol	74.6	ug/L	10	75	53	92			
bis(-2-chloroethoxy)Methane	69.9	ug/L	10	70	50	92			
bis(-2-chloroethyl)Ether	72.1	ug/L	10	72	44	82			
bis(2-chioroisopropyl)Ether	63.2	ug/L	10	63	56	87			
2-Chioronaphthalene	84.9	ug/L	10	85	56	95			
2-Chlorophenol	67.2	ug/L	10	67	47	76			
	20.5	- "				00			

Qualifiers:

Diethyl phthalate

Chrysene

RL - Analyte reporting limit.

4-Chlorophenyl phenyl ether

83.0

87.0

84.6

ug/L

ug/L

ug/L

ND - Not detected at the reporting limit.

58

63

58

99

106

103

10

10

10

83

87

85

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD **Report Date:** 04/06/17 **Work Order:** C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625	· •··	_						Batch	: 107 9 42
Lab ID: LCS-107942	Laboratory Conf	roi Sample			Run: SV59	73N2.I_170330B		03/30	/17 16:43
Di-n-butyl phthalate	87.1	ug/L	10	87	61	110			
1,2-Dichiorobenzene	69.3	ug/L	10	69	43	81			
1,3-Dichlorobenzene	64.0	ug/L	10	64	41	79			
1,4-Dichlorobenzene	64.5	ug/L	10	64	42	79			
3,3'-Dichlorobenzidine	64.8	ug/L	10	65	51	93			
2,4-Dichlorophenol	70.6	ug/L	10	71	49	90			
Dimethyl phthalate	82.5	ug/L	10	82	58	104			
Di-n-octyl phthalate	93.4	ug/L	10	93	56	110			
Dibenzo(a,h)anthracene	87.8	ug/L	10	88	61	111			
2,4-Dimethylphenol	66.2	ug/L	10	66	45	89			
4,6-Dinitro-2-methylphenol	66.1	u g /L	50	66	37	105			
2,4-Dinitrophenol	54.1	ug/L	50	54	27	81			
2,4-Dinitrotoluene	56.2	ug/L	10	86	63	110			
2,6-Dinitrotoluene	77.2	ug/L	10	77	60	107			
bis(2-ethylhexyl)Phthalate	86.0	u g/ L	10	86	56	108			
Fluoranthene	84.2	ug/L	10	84	63	110			
Fluorene	89.3	u g /L	10	89	60	99			
Hexachlorobenzene	82.7	u g /L	10	83	57	103			
Hexachiorobutadiene	71.7	ug/L	10	72	39	83			
Hexachiorocyclopentadlene	81.0	ug/L	10	81	39	91			
Hexachloroethane	65.0	ug/L	10	65	37	75			
Indena(1,2,3-cd)pyrene	83.2	ug/L	10	83	59	109			
Isophorone	69.8	ug/L	10	70	42	102			
n-Nitrosodimethylamine	36.8	ug/L	10	37	20	45			
n-Nitroso-di-n-propylamine	76.6	ug/L	10	77	49	98			
n-Nitrosodiphenylamine	91.5	ug/L	10	92	61	108			
2-Nitrophenol	72.3	ug/L	10	72	51	96			
4-Nitrophenol	27.4	ug/L	50	27	15	36			
Naphthalene	68.1	ug/L	10	68	48	96			
Nitrobenzene	77.9	ug/L	10	78	51	91			
Pentachiorophenol	72.4	ug/L	50	72	53	109			
Phenanthrene	82.0	ug/L	10	82	58	104			
Phenol	40.6	ug/L	10	41	27	45			
Pyrene	85.0	ug/L	10	85	64	108			
1,2,4-Trichlorobenzene	71.2	ug/L	10	71	49	85			
2,4,6-Trichlorophenol	73.9	ug/L	10	74	47	99			
Surr: 2-Fluorobiphenyl			10	69	28	107			
Surr: 2-Fluorophenol			10	42	20	56			
Surr. Nitrobenzene-d5			10	72	32	94			
Surr: Phenoi-d5			10	36	19	45			
Surr: Terphenyl-d14			10	80	32	122			
Surr: 2,4,6-Tribromophenol			10	70	21	130			

Qualifiers:

RL - Analyte reporting limit.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625								Batci	h: 10794
Lab iD: C17030850-001CMS	Sample Matrix	Spike			Run: SV59	73N2.I_170330E	}	03/30	/17 17:45
Acenaphthene	86.7	ug/L	10	87	58	99			
Acenaphthylene	75.5	ug/L	10	76	57	96			
Anthracene	81.6	u g /L	10	82	60	107			
Azobenzene	84.6	ug/L	10	85	56	100			
Benzidine	122	ug/L	20	122	10	100			s
Benzo(a)anthracene	83.4	ug/L	10	83	62	114			
Benzo(a)pyrene	78.4	ug/L	10	78	62	108			
Benzo(b)fluoranthene	79.9	ug/L	10	80	48	127			
Benzo(g,h,i)perylene	83.2	ug/L	10	83	62	121			
Benzo(k)fluoranthene	84.5	ug/L	10	84	55	111			
4-Bromophenyl phenyl ether	79.5	u g /L	10	79	58	105			
Butylbenzylphthalate	89.2	ug/L	10	89	60	113			
4-Chloro-3-methylphenol	78,3	ug/L	10	78	53	92			
bis(-2-chloroethoxy)Methane	77.9	ug/L	10	78	50	92			
bis(-2-chloroethyl)Ether	71.5	ug/L	10	71	44	82			
bis(2-chloroisopropyl)Ether	58.4	ug/L	10	58	56	87			
2-Chloronaphthalene	7 7.6	ug/L	10	78	56	95			
2-Chlorophenol	63.7	ug/L	10	64	47	76			
4-Chlorophenyl phenyl ether	81.0	ug/L	10	81	58	99			
Chrysene	85.9	ug/L	10	86	63	106			
Diethyl phthalate	84.0	ug/L	10	84	58	103			
Di-n-butyl phthalate	87.0	ug/L	10	87	61	110			
1,2-Dichlorobenzene	67.3	ug/L	10	67	43	81			
1,3-Dichlorobenzene	66.0	ug/L	10	66	41	79			
1,4-Dichlorobenzene	66.7	ug/L	10	67	42	79			
3,3'-Dichlorobenzidine	131	ug/L	10	131	51	93			S
2,4-Dichlorophenol	70.0	ug/L	10	70	49	90			
Dimethyl phthalate	79.3	ug/L	10	79	58	104			
Di-n-octyl phthalate	81.8	ug/L	10	82	56	110			
Dibenzo(a,h)anthracene	80.1	ug/L	10	80	61	111			
2,4-Dimethylphenol	70.7	ug/L	10	71	45	87			
4,6-Dinitro-2-methylphenol	53.1	ug/L	50	53	37	105			
2,4-Dinitrophenol	43.0	ug/L	50	43	27	81			
2,4-Dinitrotoluene	85.6	ug/L	10	86	63	110			
2,6-Dinitrotoluene	81.5	ug/L	10	81	60	107			
bis(2-ethylhexyl)Phthalate	77.5	ug/L	10	77	56	108			
Fluoranthene	84.0	ug/L	10	84	63	110			
Fluorene	0.08	ug/L	10	80	60	99			
Hexachlorobenzene	78,2	ug/L	10	78	57	103			
Hexachiorobutadiene	69.1	ug/L	10	69	39	83			
Hexachlorocyclopentadiene	69.0	ug/L	10	69	39	91			
Hexachloroethane	62.6	ug/L	10	63	37	75			
Indeno(1,2,3-cd)pyrene	76.3	ug/L	10	76	59	109			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625			-					Batc	h: 107942
Lab ID: C17030850-001CMS	Sample Matrix	c Spike			Run: SV59	73N2.I_170330B		03/30	/17 17:45
Isophorone	71.4	ug/L	10	71	42	102			
n-Nitrosodimethylamine	26.1	ug/L	10	26	20	45			
n-Nitroso-di-n-propylamine	76.1	ug/L	10	76	49	98			
n-Nitrosodiphenylamine	105	ug/L	10	105	61	108			
2-Nitrophenol	73.5	ug/L	10	74	51	96			
4-Nitrophenol	25.8	ug/L	50	26	15	36			
Naphthalene	75.6	ug/L	10	76	48	96			
Nitrobenzene	75.6	ug/L	10	76	51	91			
Pentachlorophenol	60.3	ug/L	50	60	53	109			
Phenanthrene	83.8	ug/L	10	84	58	104			
Phenol	38.7	ug/L	10	39	27	45			
Pyrene	87.0	ug/L	10	87	64	108			
1,2,4-Trichlorobenzene	74.7	ug/L	10	75	49	85			
2,4,6-Trichlorophenol	68.8	ug/L	10	69	47	99			
Surr: 2-Fluorobiphenyl			10	51	28	107			
Surr: 2-Fluorophenol			10	41	20	56			
Surr: Nîtrobenzene-d5			10	64	32	94			
Surr: Phenol-d5			10	33	19	45			
Surr: Terphenyl-d14			10	73	32	122			
Surr: 2,4,6-Tribromophenol			10	67	21	130			



Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD **Report Date:** 04/06/17 **Work Order:** C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPDLimit	Qual
Method: E625							Analytical Run:	R277253
Lab ID: 30-Mar-17_CCV_11	Continuing Ca	libration Verif	ication Standa	rd			03/30)/17 15:40
Acenaphthene	75.3	ug/L	10	100	80	120		
Acenaphthylene	79.7	ug/L	10	106	80	120		
Anthracene	75.2	ug/L	10	100	80	120		
Azobenzene	75.1	ug/L	10	100	08	120		
Benzidine	70.6	ug/L	10	94	80	120		
Benzo(a)anthracene	76.3	ug/L	10	102	80	120		
Benzo(a)pyrene	81.9	ug/L	10	109	80	120		
Benzo(b)fluoranthene	78.3	ug/L	10	104	80	120		
Benzo(g,h,l)perylene	78.0	ug/L	10	104	80	120		
Benzo(k)fluoranthene	81.6	ug/L	10	109	80	120		
4-Bromophenyl phenyl ether	81.6	ug/L	10	109	80	120		
Butylbenzylphthalate	78.0	ug/L	10	104	80	120		
4-Chloro-3-methylphenol	76.0	ug/L	10	101	80	120		
bis(-2-chloroethoxy)Methane	70.4	ug/L	10	94	80	120		
bis(-2-chloroethyl)Ether	77.2	ug/L	10	103	80	120		
bis(2-chloroisopropyl)Ether	76.7	ug/L	10	102	80	120		
2-Chloronaphthalene	79.8	ug/L	10	106	08	120		
2-Chlorophenol	72.7	ug/L	10	97	80	120		
4-Chlorophenyl phenyl ether	72.7	ug/L	10	97	80	120		
Chrysene	74.9	ug/L	10	100	80	120		
Diethyl phthalate	76.8	ug/L	10	102	80	120		
Di-n-butyl phthalate	76.9	ug/L	10	102	80	120		
1,2-Dichlorobenzene	76.8	ug/L	10	102	80	120		
1,3-Dichlorobenzene	72.1	ug/L	10	96	80	120		
1,4-Dichlorobenzene	74.8	ug/L	10	100	80	120		
3,3'-Dichlorobenzidine	76.2	ug/L	10	102	80	120		
2,4-Dichlorophenol	73.5	ug/L	10	98	80	120		
Dimethyl phthalate	77.0	ug/L	10	103	80	120		
Di-n-octyl phthalate	81.2	ug/L	10	108	80	120		
Dibenzo(a,h)anthracene	76.2	ug/L	10	102	80	120		
2,4-Dimethylphenol	70.3	ug/L	10	94	80	120		
4,6-Dinitro-2-methylphenol	77.4	ug/L	50	103	80	120		
2,4-Dinitrophenol	80.2	ug/L	50	107	80	120		
2,4-Dinitrotoluene	79.8	ug/L	10	106	80	120		
2,6-Dinitrotoluene	80.8	ug/L	10	108	80	120		
bis(2-ethylhexyi)Phthalate	77.3	ug/L	10	103	80	120		
Fluoranthene	76.8	ug/L	10	102	80	120		
Fluorene	82.8	ug/L	10	110	80	120		
Hexachiorobenzene	74.2	ug/L	10	99	80	120		
Hexachlorobutadiene	73.0	ug/L	10	97	80	120		
Hexachiorocyclopentadiene	79.2	ug/L	10	106	80	120		
Hexachloroethane	74.4	ug/L	10	99	80	120		
ndeno(1,2,3-cd)pyrene	73.3	ug/L	10	98	80	120		

Qualifiers:

RL - Analyte reporting limit.

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E625							Ar	alytical Run:	R277253
Lab ID:	30-Mar-17_CCV_11	Continuing Ca	libration Verif	ication Standa	ırd				03/30	/17 15:40
Isophorone	}	71.5	ug/L	10	95	80	120			
n-Nitrosodi	methylamine	79.5	ug/L	10	106	80	120			
n-Nitroso-d	li-n-propylamine	76.0	ug/L	10	101	80	120			
n-Nitrosodi	phenylamine	77.5	ug/L	10	103	80	120			
2-Nitropher	nol	74.6	u g /L	10	99	80	120			
4-Nitropher	lor	72.4	ug/L	50	97	80	120			
Naphthalen	ne	68.4	ug/L	10	91	80	120			
Nitrobenzer	ne	77.1	ug/L	10	103	80	120			
Pentachlore	ophenol	71.7	ug/L	50	96	80	120			
Phenanthre	ene	70,9	ug/L	10	95	80	120			
Phenol		79.0	ug/L	10	105	80	120			
Pyrene		79.0	ug/L	10	105	80	120			
1,2,4-Trichi	orobenzene	73.1	ug/L	10	98	80	120			
2,4,6-Trich!	lorophenol	71.0	ug/L	10	95	80	120			
Surr: 2-F	luorobiphenyl			10	108	80	120			
Surr: 2-F	fuorophenol			10	105	80	120			
Surr: Nitr	robenzene-d5			10	101	80	120			
Surr: Phe	enol-d5			10	102	80	120			
Surr: Ter	phenyl-d14			10	104	80	120			
Surr: 2,4	,6-Tribromophenol			10	105	80	120			

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc Project: 170324007 Sterling Ranch MD Report Date: 04/06/17
Work Order: C17030850

Analyte		Result	Units	RL.	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	SW8260M							-	Analytical Rui	n: 108173
Lab ID:	CCV-108173	Continuing Cal	ibration Verificati	on Standa	ırd				04/06	6/17 08:29
1,4-Dioxane		95.7	ug/L	1.0	96	80	120			
Method:	SW8260M								Batcl	h: 108173
Lab ID:	LCS-108173	Laboratory Cor	ntrol Sample			Run: VOA5	973A.I_170406A		04/06	/17 08:51
1,4-Dioxane		87.5	ug/L	1.0	88	70	130			
Lab ID:	MB-108173	Method Blank				Run: VOA5	973A.I_170406A		04/06	/17 09:12
1,4-Dioxane		ND	ug/L	1.0						
Lab ID:	C17030850-001AMS	Sample Matrix	Spike			Run: VOA5	973A.I_170406A		04/06	V17 09:55
1,4-Dioxane		194	ug/L	2.0	97	70	130			
Lab ID:	C17030850-001AMSD	Sample Matrix	Spike Duplicate			Run: VOA5	973A.I_170406A		04/06	/17 10:17
1,4-Dioxane		206	ug/L	2.0	103	70	130	6.0	20	

Work Order Receipt Checklist

Colorado Analytical Laboratories Inc C17030850

Login completed by:	Corinne Wagner Date Received: 3/28/2017							
Reviewed by:	Kasey Vidick		Re	ceived by: ckw				
Reviewed Date:	3/29/2017		Car	rier name: Ground				
Shipping container/cooler in	good condition?	Yes 🗸	No 🗔	Not Present				
Custody seals intact on all sl	hipping container(s)/cooler(s)?	Yes	No 🗌	Not Present ✓				
Custody seals intact on all sa	ample bottles?	Yes 🗌	No 🗌	Not Present ✓				
Chain of custody present?		Yes 🗹	No 🗌					
Chain of custody signed whe	n relinquished and received?	Yes 🗸	No 🗌					
Chain of custody agrees with	sample labels?	Yes 🗹	No 🗌					
Samples in proper container	/bottle?	Yes 🗸	No 🗌					
Sample containers intact?		Yes 🗸	No 🗌					
Sufficient sample volume for	indicated test?	Yes 🔽	No 🗌					
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🗸	No 🗌					
Temp Blank received in all st	hipping container(s)/cooler(s)?	Yes 🗌	No 🗹	Not Applicable				
Container/Temp Blank temps	erature:	6,6°C On Ice	- From Field					
Water - VOA vials have zero	headspace?	Yes 🗸	No 🗌	No VOA vials submitted				
Water - pH acceptable upon	receipt?	Yes	No 🗌	Not Applicable				
Standard Reporti	ng Procedures:							
	analytes considered field p and Residual Chlorine, ar							
Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.								

Contact and Corrective Action Comments:

None

Chain of Custody Form

Report To Information					Bill To Information (If different from report to)				Project Name					Ų,	1	Colorado Analytical					
Company Name: Colorado Analytical Laboratoy					Company Name: Same				170324007				-			Bright					
Contact Name: Stuart Nielson					Contact Name:				Sterling Ranch MD					240 South Main Street Brighton, CO 80601							
Address:					Address:					Task Number (Lab Use Only)				y)			Lakew	ood L	<u>ab</u>		
P.O. Box 507										CAL Task No.			\cap			12860 W. Cedar Dr, Suite 100A Lakewood CO 80228					
240 S Main St										170324007 IR-1											
City Brighton State CO Zip80601					City State _ Zip				CAL Task No. 170324007 TQ-1			88			Phone: 303-659-2313 Fax: 303-659-2315						
Phone:30	3-659-2313	,	Fax:303-6	59-2315	Phone: Fax:				ARC					www.coloradolab.com				.com			
Email: stuartnielson@coloradolab.com					Email:				Disposal Date(Lab Use Only)												
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INTERIM WASTEWATER TREATMENT AND DISPOSAL AGREEMENT

Special Contract for Service – Outside City Limits

THIS AGREEMENT ("Agreement") is made and entered into this __day of August 2019, by and between Colorado Springs Utilities ("Utilities"), an enterprise of the City of Colorado Springs ("City"), a home rule city and Colorado municipal corporation, and Sterling Ranch Metropolitan District No. 1 ("District"), c/o White Bear Ankele Tanaka & Waldron 2154 E. Commons Avenue, Suite 2000, Centennial, Colorado 80122. In this document, Utilities and District can be referred to individually as "Party" or collectively as "Parties."

Recitals

- A. District is a Colorado metropolitan district located generally north of Woodmen Road, east of Vollmer Road, and west of Banning Lewis Parkway in El Paso County. The Service Plan for the District includes provisions for wastewater service for the District. The District's current service area is depicted on Exhibit A hereto. El Paso County approved the Sterling Ranch Sketch Plan in December 2018 for 5,250 lots.
- B. 302 lots have been platted, or are in the process of being platted, within the District's service area pursuant to Homestead at Sterling Ranch Filing Nos. 1 & 2 and Branding Iron at Sterling Ranch Filing Nos. 1 & 2 (the "Platted Lots") as generally depicted on Exhibit B.
- C. The District has requested that Utilities accept and treat District's wastewater flows from the Platted Lots through Utilities' Wastewater Treatment System that are in the process of being developed within the District's service area on an interim basis pending annexation discussions between property owners within the District for annexation of all or a portion of the Sterling Ranch Master Plan area and certain adjacent properties.
- D. Utilities agrees to accept and treat District's wastewater flows generated by the Platted Lots, in accordance with the terms and conditions contained herein.
- E. Utilities has entered into this Agreement pursuant to § 12.5.304 of the Code of the City of Colorado Springs 2001, as amended.

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, INCLUDING THE FOREGOING REPRESENTATIONS, IT IS AGREED AS FOLLOWS:

<u>Article I</u> General Provisions

- **A.** <u>Term.</u> This Agreement shall become effective upon execution by both Parties and will remain in effect for one (1) year thereafter. This Agreement may be renewed or extended by mutual agreement of both Parties in writing.
- **B.** <u>Definitions.</u> Terms not otherwise defined herein shall have the meaning adopted in the latest amendment to the City Code of Colorado Springs Colorado 2001, as amended ("City Code"). Defined terms are capitalized.
 - District's Wastewater Collection System: District's Wastewater Collection System includes any devices, facilities, structures, equipment or works owned by District for the purpose of collection, storage and transmission of wastewater from District's customers.
 - 2. **Utilities' Wastewater System:** Utilities' Wastewater System includes any devices, facilities, structures, equipment or works owned by Utilities for the purpose of collecting and treating wastewater.
- Colorado Springs City Code Jurisdiction. District is a user of Colorado Springs' publicly owned treatment works for the purposes of City Code § 12.5.102. In accordance with City Code § 12.5.304, District submits to the jurisdiction of the City of Colorado Springs for the purposes of the enforcement procedures set out in City Code Chapter 12, Article 5. District shall by ordinances or resolutions provide for its customers to submit to the jurisdiction of the City of Colorado Springs for the purposes of the enforcement procedures set out in City Code Chapter 12, Article 5.
- Wastewater Treatment Service. During the term of this Agreement, Utilities will accept and treat through Utilities' Wastewater System wastewater that originates from inside District's service area from the Platted Lots, the location of which is depicted in Exhibit B, subject to the terms and conditions contained herein. District acknowledges and agrees that Utilities shall have no obligation to accept and treat wastewater under this Agreement that originates from anywhere other than the Platted Lots unless prior approval is received from the Colorado Springs City Council. District further acknowledges and agrees that Utilities shall have no obligation to accept and treat wastewater under this Agreement that originates from the Platted Lots after expiration or termination of this Agreement, unless prior approval is received from the Colorado Springs City Council. This Agreement is for "Contract Service Outside City Limits," as provided in Utilities' Tariffs. The Utilities' Tariffs and Rules and Regulations shall apply to District, except as otherwise provided in this Agreement.
- E. <u>Disconnection from Utilities' Wastewater System</u>. The District acknowledges and agrees that Utilities is providing wastewater service to the District under this Agreement on an interim basis. In the event the terms and conditions of this Agreement are not satisfied, District agrees to diligently pursue the steps necessary to design and construct all infrastructure necessary to connect

District's Wastewater Collection System to another wastewater provider and disconnect its system from Utilities' Wastewater System.

- 1. Notice. In the event District disconnects from Utilities' Wastewater System, District shall provide Utilities with notice of the date it intends to disconnect the District's Wastewater Collection System from Utilities' Wastewater System, at least thirty (30) days prior to the proposed disconnection date. District shall also provide Utilities with notice of the actual date it disconnected within one (1) day of the disconnection.
- 2. Expenses and Standards. District shall be solely responsible, financially and otherwise, for designing, constructing and maintaining all infrastructure improvements necessary to connect District's Wastewater Collection System to Utilities' Wastewater System and all infrastructure necessary to complete any disconnection from Utilities' System. Any connection and disconnection from Utilities' Wastewater System shall be made in accordance with Utilities' Line Extension and Service Standards and shall be inspected and approved by Utilities.
- F. Rates, Charges, Surcharges and Fees Payable by District. District shall pay to Utilities the applicable rates, charges, surcharges and fees for the services provided hereunder. Such charges and fees include, but are not limited to, the applicable Wastewater Development Charge, Treatment Charges, Extra Strength Surcharges, Water Quality Impact Fees, and Wastewater Advanced Recovery Agreement Charges. All charges are provided in Appendix A attached hereto and incorporated herein.
 - 1. Wastewater Development Charge. The District shall pay the Outside City Limits Wastewater Development Charge for a three-inch meter as provided in Utilities' Rules and Regulations. District acknowledges and agrees that by paying the Wastewater Development Charge it has no right or claim to receive wastewater service from Utilities other than as provided in this Agreement. Utilities shall have no obligation to provide wastewater service to District hereunder until the Wastewater Development Charge has been paid.
 - 2. Treatment Charges and Extra Strength Surcharges. The District shall be responsible for Treatment Charges and Extra Strength Surcharges, as provided in Utilities' Tariff "Contract Service Outside City Limits (S9C)." Extra Strength Surcharges will be based on twenty-four (24) hour composite samples. Payment of the total monthly bill for Treatment Charges and any applicable Extra Strength Surcharges shall be due within thirty (30) days of receipt thereof. If the bill is not paid within the thirty (30) day period, a deposit will be assessed as outlined in Utilities' Rules and Regulations, which may be changed from time to time by the Colorado Springs City Council.

- 3. Water Quality Impact Fee. Utilities conducts extensive water quality monitoring and studies in the Fountain Creek watershed and implements projects and programs to maintain and enhance conditions within the Fountain Creek Watershed. The District shall pay a Water Quality Impact Fee that will be calculated on a yearly basis based on District's pro rata share of treated wastewater flows.
- 4. <u>Wastewater Advanced Recovery Agreement Charges.</u> District further acknowledges that properties seeking Utilities' wastewater service are subject to Recovery Agreement Charges and Advanced Recovery Agreement Charges for future infrastructure needed to serve such properties. District agrees to pay the current Wastewater Advanced Recovery Agreement Charge for the Platted Lots.
- **G.** <u>Compliance with Requirements.</u> In all cases where the application or the enforcement of Utilities' requirements, as may be amended, involve technical or scientific analyses or determinations, Utilities shall have final authority as to methods, standards, criteria, significance, evaluation, and interpretation of such analyses and determinations.

Article II Connection to Utilities' Wastewater System

- A. Point(s) of Connection of District to Utilities' Wastewater System. District shall deliver its wastewater to Utilities' Wastewater System at the 8" interconnect to be constructed by District and to be located as depicted on Exhibit C hereto. This connection point, and all other approved new, modified or abandoned connections to Utilities' Wastewater System, if any, shall be made at the sole expense of District in accordance with subsection C below. Utilities shall have no obligation to provide wastewater treatment service hereunder until such interconnect is constructed.
- B. Responsibility for Cost of District's Wastewater Collection System Extensions. District, at its own expense and cost, will construct, install, operate and maintain its Wastewater Collection System and any and all extensions of District's Wastewater Collection System or the outfalls therefrom necessary to cause the same to reach to and to deliver wastewater at the point of connection. All connections to Utilities' Wastewater System shall be made in accordance with Utilities' Line Extension and Service Standards and shall be inspected by Utilities.
- C. <u>Point of Demarcation between District's Wastewater Collection System and Utilities' Wastewater System</u>. It is understood by the Parties that the point of demarcation between the District's Wastewater Collection System and Utilities' Wastewater System is located at the metering manhole. All infrastructure

upstream of the metering manhole is understood to be owned and maintained by the District. Utilities' Wastewater System begins at the metering manhole.

- D. Discharge Meters and Other Improvements. District shall be solely responsible, financially and otherwise, for designing, installing, and constructing all infrastructure improvements necessary to connect District's Wastewater Collection System to Utilities' Wastewater System and all other related facilities necessary for use in connection with this Agreement ("Improvements"). The Improvements shall be agreed upon by the Parties and shall be designed, installed and constructed in accordance with Utilities' Line Extension and Service Standards. The improvements shall be located on property owned by the District or in rights-of-way or easements dedicated to the District ("District Property"), unless constructed on land owned by the City of Colorado Springs. Utilities shall have the sole discretion to determine and approve the actual design of the Improvements. District shall, at its own cost and subject to Utilities' approval, locate, design, and construct the Improvements in such a manner and of such material that the Improvements will not at any time be a source of danger to or interference with any of Utilities' structures, facilities, or operations. Upon completion of design, installation and construction of the Improvements, District shall convey and dedicate to Utilities, in a form acceptable to Utilities, ownership of all the Improvements and the right to access and use the District Property for the purposes of operating and maintaining the Improvements. Utilities shall be responsible for the operation, maintenance and repair of all Improvements dedicated and conveyed to it pursuant to this section, including reading the meter. District agrees to reimburse Utilities for its reasonable costs associated with the maintenance and repair of the Improvements conveyed and dedicated to Utilities under this section.
- E. User Charge System. District shall maintain an approved EPA User Charge System (40 CFR §§ 35.929-2(e) and 35.925-11). Within 10 days after District's Wastewater Collection System is connected to Utilities' Wastewater System, Utilities will notify District of Utilities' classifications, classes and surcharges per class and any other information on revenues, costs and allocation of costs between Biochemical Oxygen Demand ("BOD"), Total Suspended Solids ("TSS"), and flow so as to assure proportional allocation of costs. District shall provide within sixty (60) days of implementation or upon request by Utilities, a report on District's ordinance classes, rates and implementation provisions. comply with EPA regulations 40 CFR §§ 32.929-2(f) and 35.2140(c) by advising District's Wastewater Collection System Users in conjunction with a regular bill (or other means acceptable to the EPA Regional Administrator) of their wastewater rate and that portion of the rate attributable to wastewater treatment services. A copy of the notification shall be forwarded to Utilities within sixty (60) days of when District provides such notification to its Wastewater Collection System Users.

- **F.** <u>District's Responsibilities</u>. In addition to other responsibilities and duties provided in this Agreement, District shall be solely responsible for the following:
 - 1. District shall be responsible for the permitting, construction, operation, maintenance, integrity of, and reporting associated with, District's Wastewater Collection System including, but not limited to, air emissions from District's Wastewater Collection System, and spills, leaks, and sanitary sewer overflows (as defined by the United States Environmental Protection Agency ("EPA")) from District's Wastewater Collection System. District shall also be responsible for billing its customers for wastewater service and collecting payments from its customers.
 - 2. District's Wastewater Collection System shall collect only from separate sanity sewer systems and there shall be no combined sanitary and stormwater systems or stormwater systems connected to District's Wastewater Collection System.
 - 3. District shall require any installation and connection of service lines to District's Wastewater Collection System to be in accordance with the City Code and Utilities' Water and Wastewater Line Extension and Service Standards, as each may be amended, so as to minimize the possibility of damage to Utilities' Wastewater System. District shall perform inspection of all such installations and connections to ensure compliance with the City Code and Utilities' Water and Wastewater Line Extension and Service Standards and Specifications.

Article III Conditions of Service

A. <u>Discharge Prohibitions</u>, <u>Discharge Limitations and Point of Discharge Limitations</u>.

- Utilities shall have the right to restrict additional connections and discharges to District's Wastewater Collection System in the event of limitation in Utilities' treatment or collection system capacity.
- At all times District shall cause all wastewater, which is discharged directly or indirectly into District's Wastewater Collection System or into Utilities' Wastewater System by District or on its behalf, to comply with any requirements of Utilities, as permitted by law.
- 3. District is prohibited from contributing excess flows that cause or contribute to overflows, flooding or non-compliance with Utilities' Colorado Discharge Permit System ("CDPS") Permit No. CO-0026735.

- **B.** Submission of Annexation Petition to City. District shall cause owners of properties included in the Sterling Ranch Master Plan area and the owner of that certain property known, as of the date of this Agreement, as Tax Schedule Number 5200000264 in the records of the El Paso County Tax Assessor, to submit one or more petitions for annexation of all or a portion of such properties into the City in a form acceptable to the City within 90 days of making the connection from District's Wastewater Collection System to Utilities' Wastewater System.
- C. Requirement to Post Bond. District shall cause a bond to be posted with El Paso County, for the construction of a force sewer main to connect the District's Wastewater Collection System to an alternate wastewater provider in the event this Agreement is not extended or renewed at the end of its term. In the event this Agreement is not extended or renewed Utilities and District shall develop a plan for disconnection of the District's Wastewater Collection System and connect to the alternate wastewater provider. Such bond shall remain in place until such time as the force sewer main is constructed or the annexation is complete.

Article IV Industrial Pretreatment Program

- Delegation of Industrial Pretreatment Program Responsibilities. Α. hereby represents and acknowledges that Utilities will administer District's Industrial Pretreatment Program responsibilities required by applicable law including, but not limited to, those responsibilities and obligations set forth in the United States Code of Federal Regulations and Colorado Code of Regulations, and implementing regulations, except for those responsibilities directly related to the obligations reserved to District. District agrees that Utilities will implement its industrial pretreatment responsibilities in accordance with City Code Chapter 12, Article 5, as well as Utilities' Enforcement Response Plan, Silver Source Control Policies & Procedures Manual, Mercury Source Control Policies & Procedures Manual and Fats, Oil and Grease Policies & Procedures Manual, Liquid Waste Hauler Program Policies and Procedures Manual, and other related sector control program requirements. District agrees to be responsible for any violations of applicable law for failure of Utilities' Industrial Pretreatment Program meeting applicable law.
- **B.** <u>Utilities' Right of Prohibition of Connection</u>. Utilities shall have the right to prohibit any connection to, or discharge into, District's Wastewater Collection System of an Industrial User in accordance with City Code.
- **C.** <u>Enforcement.</u> District and Utilities shall each retain their enforcement discretion. Regarding businesses served by District, each Party shall be copied on all notices of violation and administrative orders issued by the other Party. Notwithstanding the above, Utilities has full authority to take enforcement action directly against any customer in District as provided in the City Code.

D. <u>Notification of Enforcement Actions</u>. Utilities shall notify District when assessing penalties, terminating wastewater service, or seeking criminal sanctions against any customer within District's service area. Utilities shall provide District with a status report regarding the compliance of Significant Industrial Users under the Pretreatment Program on or before April 1 of each year.

E. Charges and Fees Related to Industrial Pretreatment Program.

- To District. Utilities may bill District under this Agreement any additional costs associated with the Industrial Pretreatment Program responsibilities delegated to Utilities herein.
- To Industrial Users. All general and special sewer service charges, and other charges levied against Industrial Users by District, shall be retained by District, except as otherwise provided by this Agreement or applicable law. Permit fees shall be retained by Utilities.
- 3. <u>Enforcement</u>. All penalty or other enforcement receipts arising from enforcement actions taken by Utilities against District or District's customers shall be collected and retained by Utilities.

F. <u>District Industrial Pretreatment Responsibilities and Notification</u> Requirements.

- 1. If the District has a slug discharge as defined in §12.5.201 of the City Code, or a discharge that could cause problems to the Utilities' Wastewater System, Utilities shall be immediately notified. Additionally, a written report shall be submitted within five (5) days of the event detailing the date, time and cause of the slug discharge, the quantity and characteristics of the discharge, and corrective action taken to prevent future slug discharges.
- 2. District shall submit to Utilities' Industrial Pretreatment Program quarterly an updated inventory of all Industrial Users and commercial customers connected to District's Wastewater Collection System. Such inventory shall include such customer's name, address, Standard Industrial Classification code, and average daily water usage for the previous quarter. Such listing shall include the name and address of the customer and the name of the contracting plumber performing the work.
- 3. District shall inform Utilities at least two (2) weeks prior to any planned significant change in operations which will affect wastewater characteristics or at least 90 days prior to discharge of any new source of categorical process wastewater. Unplanned changes in wastewater characteristics must be reported within seven (7) days after the change becomes known.

- 4. In addition to any reporting requirements District may have to the Colorado Department of Public Health and Environment – Water Quality Control Division ("CDPHE"), District shall immediately copy Utilities on any verbal or written notice to CDPHE of any illicit discharge, spill or overflow from District's Wastewater Collection System that are required to be reported to CDPHE.
- 5. District hereby agrees to comply, and require its customers to comply, with the discharge prohibitions, discharge limitations and points of discharge limitations set forth in City Code §§ 12.5.702, 12.5.703, 12.5.704 A-E,12.5.801-12.5.811, as may be amended from time to time, and shall prohibit the discharge of waste silver-rich photochemical solutions with total silver concentrations greater than 400 mg/l. District has enacted and shall keep in full force and effect for its customers by ordinances or resolutions limitations that mirror these City Code sections as may be amended from time to time. District shall submit a copy of the most recent discharge ordinance and/or resolution to Utilities by **February 15** of each year, and amendments to said ordinance and/or resolution within 30 days of adoption.
- **G.** <u>Industrial Pretreatment Notices</u>. All notices, reports, and submittals required by this **Article IV: Industrial Pretreatment Program** section shall be personally delivered, sent by overnight delivery service, or mailed by certified mail, postage prepaid, return receipt requested, as follows:

Colorado Springs Utilities Attn: Industrial Pretreatment Program 701 E. Las Vegas St. Colorado Springs, CO 80903

Article V Remedies

- A. <u>Liquidated Damages</u>. To the extent permitted by law, in addition to any and all costs and charges provided herein, and in accordance with City Code § 12.5.304:B.2, District is subject to liquidated damages for violation of provisions of City Code Chapter 12, Article 5, in an amount equal to the penalties imposed pursuant to said Article.
- B. <u>Consequential Damages</u>. Any discharge of industrial wastewater by District or a District's customer from the District to Utilities' Wastewater System shall subject District to consequential damages for breach of contract including, but not limited to, any amounts the City or Utilities may be required to pay for violation of the conditions of Utilities' CDPS permit where the discharge of District or its customer caused or contributed to the violation.
- **C.** <u>Breach of Agreement</u>. Upon any breach of this Agreement, which does not also constitute a breach of City Code Chapter 12, Article 5, Utilities shall have the

immediate right to: (a) seek specific performance; (b) be reimbursed for costs; and (c) be entitled to money damages for the time period between the breach and the order for specific performance. Said rights also apply if liquidated damages, as provided in City Code § 12.5.304:B.2, are unavailable.

D. <u>Termination</u>. District acknowledges and consents to Utilities' right to terminate this Agreement: (1) due to District's breach of a material term or condition of this Agreement, if District has not taken substantial steps to cure the breach within thirty (30) days of receiving written notice of such breach from Utilities; or (2) as otherwise authorized by the City Code or City Council. Utilities will make reasonable efforts to notify District of circumstances that could result in such termination. District may terminate this Agreement due to a material breach on the part of Utilities, if Utilities has not taken substantial steps to cure the breach within thirty (30) days of receiving written notice of such breach from District.

Either Party shall have the right to terminate this Agreement upon giving ninety (90) days written notice to the other Party, in which case District's connection to Utilities' Wastewater System shall be removed at District's sole expense in a manner approved in advance by Utilities and wastewater treatment services discontinued. All outstanding charges owed by District to Utilities are due and payable prior to the disconnection of service. If all outstanding charges owed by District to Utilities are not paid prior to disconnection, District's obligation to make full payment shall survive termination of this Agreement.

- **E.** <u>Enforcement of Rights</u>. Nothing herein shall prevent either Party from enforcing its rights under this Agreement by an appropriate legal or equitable action. District hereby waives any right to claim that the remedies provided hereunder are not available to Utilities in the event of a breach by District.
- **F.** Remedies Cumulative. Remedies herein are cumulative and may be used individually, sequentially, concurrently, or in any order.

Article VI Miscellaneous

- **A.** Return Flows. District understands that Utilities will account for the amount of effluent resulting from District's wastewater flows into Utilities' Wastewater System, but that Utilities will not be responsible for any tracking, accounting, or use of resulting return flows after discharge from Utilities' Wastewater System.
- B. Representatives and Notice. All notices, reports and submittals required by this Agreement, other than those required in the Article IV: Industrial Pretreatment Program section shall be in writing and shall be personally delivered, sent by overnight delivery service, or mailed by certified mail, postage prepaid, return receipt requested, as follows:

1. If to Utilities:

i. Business Account Management: Carol Thomas COLORADO SPRINGS UTILITIES Business Account Management 111 S. Cascade Avenue, PO Box 1103 MC1025 Customer Care Center, 2nd Floor Colorado Springs, CO 80947-1025 Phone: (719) 668-3854

ii. City Attorney's Office – Utilities Division
 City Attorney's Office
 ATTN: City Attorney's Office – Utilities Division
 30 South Nevada Ave., Suite 501
 P.O. Box 1575, Mail Code 510
 Colorado Springs, CO 80901-1575

2. If to District:

- i. James Morley, President20 Boulder Crescent, Suite 200Colorado Springs, CO 80903
- ii. Sean AllenWhite Bear Ankele Tanaka & Waldron2154 East Commons Ave, Suite 2000Centennial, CO 80122
- iii. P.J. Anderson31 N. Tejon St., Suite 500Colorado Springs, CO 80903
- **C.** <u>Force Majeure.</u> Neither Party hereto shall be liable to the other for any failure, delay, or interruption in performing its obligation hereunder due to causes or conditions beyond its reasonable control, including strikes, riots, wars, floods, fires, explosions, acts of nature, acts of government, labor disturbances, or if such performance would be prohibited or limited by any federal, state, or local law, rule, regulation, order or directive.
- **D.** <u>Waiver</u>. No waiver by either Party of any terms or condition of this Agreement shall be deemed or construed as a waiver of any other term or condition, nor shall a waiver of any breach be deemed to constitute a waiver of any subsequent breach, whether of the same or of a different provision of this Agreement.

- E. <u>Limitations upon Consent and No Waiver</u>. Whenever, under the terms of this Agreement, Utilities is authorized to give its written consent, Utilities, in its discretion, may give or may refuse such written consent and, if given, may restrict, limit, or condition such consent in such manner as it shall deem advisable. Acceptance by Utilities into Utilities' Wastewater System from District of wastewater in a volume or with characteristics exceeding or violating any limit or restriction provided for, by or pursuant to this Agreement, in one or more instances or under one or more circumstances, shall not constitute a waiver of such limit or restriction or of any of the provisions of the Agreement and shall not in any way obligate Utilities thereafter to accept or to make provision for wastewater delivered and discharged into Utilities' Wastewater System in a volume or with characteristics exceeding or violating any such limit or restriction in any other instance or under any other circumstances.
- **F.** <u>Audits</u>. Utilities shall have the right to audit at any time all of District's records relating to any new customers to District, or relating to compliance with this Agreement. District shall have the right to audit all Utilities' records relating to compliance with this Agreement.

G. Liability.

- 1. <u>Party Responsible for Own Negligence</u>. Each Party shall be responsible for its own negligence. Neither Party waives the benefits or obligations afforded it by the Colorado Governmental Immunity Act, C.R.S. 24-10-101, *et seg.*
- 2. <u>Utilities' Limitation of Liability</u>. In addition to force majeure events described in this Agreement, Utilities shall not be liable to District for failure to accept or treat District's wastewater when such failure is the result of upset or mechanical or power failure. Utilities shall have the right to interrupt service and require District to temporarily store and contain wastewater flows to the extent of District's storage capabilities in the event of malfunction or upset of Utilities' facilities. In the event of planned maintenance which will render Utilities' facilities unable to accept District's wastewater, a 48-hour notice shall be given to District, after which District will temporarily store and contain wastewater to the extent of its storage capabilities.
- H. No Third-Party Beneficiaries. Enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to District and Utilities, and nothing contained in this Agreement shall give or allow any such claim or right of action by any other or third person under such Agreement. It is the express intention of District and Utilities that any person other than District or Utilities receiving services or benefits under this Agreement shall be deemed to be an incidental beneficiary only.

- **Severability.** If any provision of this Agreement shall be found to be illegal or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect, and such term or provision shall be deemed stricken for as long as it remains illegal or unenforceable.
- Assignment. There shall be no assignment of the rights or obligations contained in this Agreement by either Party without the prior written consent by the other Party, and any such assignment shall be null and void. Nothing herein contained, however, shall be construed as preventing the reorganization of any Party hereto nor as preventing any other body corporate and politic succeeding to the rights, privileges, powers, immunities, liabilities, disabilities and duties of either Party hereto, as may be authorized by law, in the absence of any prejudicial impairment of any obligation of contract hereby imposed.
- K. Appropriation of Funds. In accord with the Colorado Springs City Charter, performance of Utilities' obligations under this Agreement is expressly subject to appropriation of funds by the City Council. In the event funds are not appropriated in whole or in part sufficient for performance of Utilities' obligations under this Agreement, or appropriated funds may not be expended due to City Charter spending limitations, then this Agreement will thereafter become null and void by operation of law, and Utilities will thereafter have no liability for compensation or damages to the District for future performance and obligations thereafter in excess of Utilities' authorized appropriation for this Agreement or the applicable spending limit, whichever is less. Utilities will notify the District as soon as reasonably practicable in the event of non-appropriation or in the event a spending limit becomes applicable.
- Compliance with Laws and Regulations. This Agreement and the rights and obligations of the Parties hereunder shall be subject to and in compliance with all applicable laws, orders, court decisions, directives, ordinances, resolutions, and rules and regulations of Utilities and any other duly constituted governmental body or official having jurisdiction. Nothing contained in the Agreement, however, shall require either Party hereto to comply with any law, the validity of applicability of which shall be contested in good faith and, if necessary or desirable, by appropriate legal proceedings.
- M. Governing Law. This Agreement shall be construed in accordance with the laws of the State of Colorado without reference to conflicts of laws, the Colorado Springs City Charter, the City Code of the City of Colorado Springs, and the Colorado Springs Utilities' Rules and Regulations, and Wastewater Tariffs. In the event of litigation, this Agreement shall be enforceable by or against the City of Colorado Springs on behalf of Utilities as provided in the City Code § 12.1.108. In the event of any dispute over the Agreement's terms and conditions, the exclusive venue and jurisdiction for any litigation arising hereunder shall be in the District Court of El Paso County, Colorado and, if necessary for exclusive federal questions, the United States District Court for the District of Colorado.

N. <u>Entire Agreement</u>. This Agreement with attachments constitutes the entire agreement between the Parties and supersedes all previous written or oral communications, understandings, and agreements between the Parties unless specifically stated herein. This Agreement may only be amended by a written agreement signed by both Parties. E-mail and all other electronic (including voice) communications from Utilities in connection with this Agreement are for informational purposes only. No such communication is intended by Utilities to constitute either an electronic record or an electronic signature, or to constitute any agreement by Utilities to conduct a transaction by electronic means. Any such intention or agreement is hereby expressly disclaimed.

In witness whereof, the representatives of each Party hereto certify via execution below that they are duly authorized to commit their organization to this Agreement in its entirety:

COLORADO SPRINGS UTILITIES	DISTRICT						
Ву:	Ву:						
Name: Aram Benyamin	Name: James Morley						
Title: Chief Executive Officer	Title: President						
Date:	Date:						

Exhibit A – Service Area

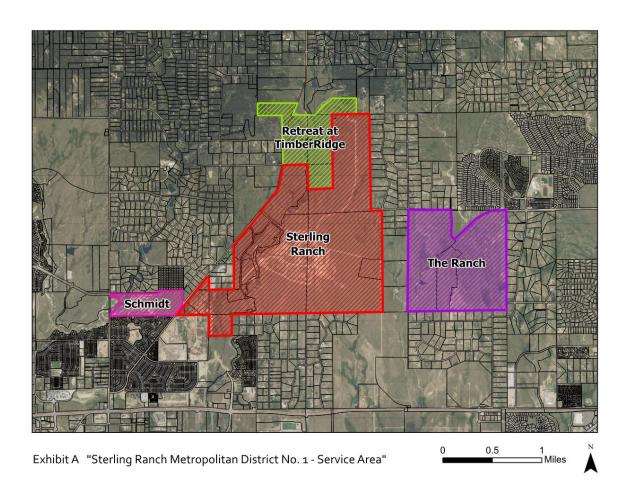


Exhibit B - Platted Lots

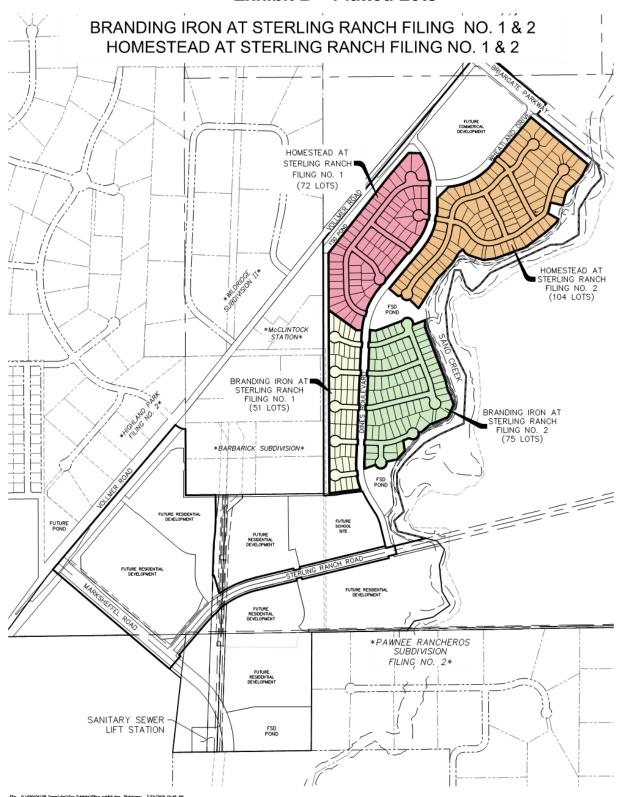
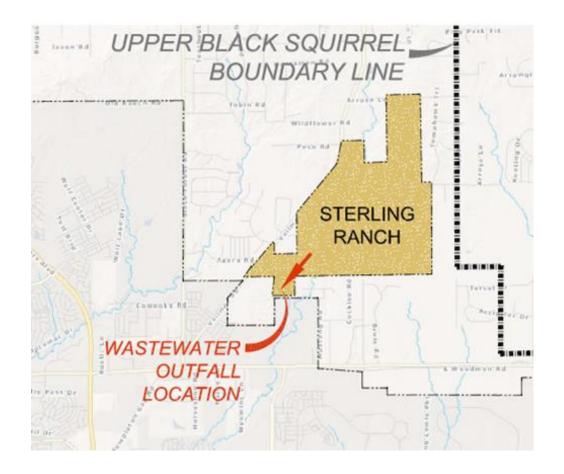


Exhibit C – Points of Connection



Appendix A – Rates, Charges, Surcharges and Fees

- **A.** <u>Wastewater Development Charge</u>. The District shall pay a Wastewater Development Charge of \$39,060.00 upon execution of this Agreement.
- **B.** Treatment Charges and Extra Strength Surcharges. District Agrees to pay Utilities for wastewater service pursuant to this Agreement at the prevailing Contract Service Outside City Limits Tariff Rate. As of the date of this Agreement, current Charges and Surcharges are as follows:
 - 1. <u>Treatment Charge</u> of \$0.0255 per cubic foot (cf) of wastewater collected.
 - Extra Strength Surcharges will be charged to District if discharges of BOD and/or TSS exceed the normal domestic strength. At the time the agreement was signed the prevailing rate for BOD is \$0.0031 per excess BOD billing unit and for TSS is \$0.0017 per excess TSS billing unit.
- C. <u>Water Quality Impact Fee</u>. The annual Water Quality Impact Fee will be calculated and billed annually. The annual charge will be based on the District's pro rata share of Utilities' and District's combined yearly wastewater treatment flows, times the cost of Utilities' water quality monitoring and studies and Fountain Creek watershed improvements.
- D. <u>Wastewater Advanced Recovery Agreement Charges</u>. The Wastewater Recovery Agreement Charges and Advanced Recovery Agreement Charges based on the number of Single Family Equivalent Units for a three-inch meter total \$9,896.21.