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# ANALYTICAL SUMMARY REPORT

November 08, 2018

Skyline Ranch Improvement Service Dist  
PO Box 3601  
Jackson, WY 83001

Work Order: C18110023

Project Name: WY5600217

Energy Laboratories, Inc. Casper WY received the following 1 sample for Skyline Ranch Improvement Service Dist on 11/1/2018 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C18110023-001	ST02 SP03	10/30/18 9:35	11/01/18	Drinking Water	524-Purgeable Organics, SDWA

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:

  
Project Manager

Digitally signed by  
Alyson T. Degnan  
Date: 2018.11.08 15:28:05 -07:00





**LABORATORY ANALYTICAL REPORT**

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Lab ID: C18110023-001

Client Sample ID: ST02 SP03

Report Date: 11/08/18

PWS #: WY5600217 Name: SKYLINE RANCH I&S DISTRICT

Collection Date: 10/30/18 09:35

Facility ID: ST02

Date Received: 11/01/18

SamplingPoint/Location: SP03 / ST02 SP03

Matrix: Drinking Water

Project ID: WY5600217

Federal ID#: WY00002

Collector's Name: Emily Hanner

Contact Phone #:

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>VOLATILE ORGANIC COMPOUNDS</b>							
2246 Hexachlorobutadiene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2994 Isopropylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2030 p-Isopropyltoluene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2251 Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2964 Methylene chloride	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2248 Naphthalene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2998 n-Propylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2996 Styrene	ND	ug/L		0.50	100	E524.2	11/06/18 23:14 / dm
2986 1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2988 1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2987 Tetrachloroethene	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2991 Toluene	ND	ug/L		0.50	1000	E524.2	11/06/18 23:14 / dm
2420 1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2378 1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	11/06/18 23:14 / dm
2981 1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	11/06/18 23:14 / dm
2985 1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2984 Trichloroethene	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2218 Trichlorofluoromethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2414 1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2950 Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	11/06/18 23:14 / dm
2418 1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2424 1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2976 Vinyl chloride	ND	ug/L		0.50	2	E524.2	11/06/18 23:14 / dm
2963 m+p-Xylenes	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2997 o-Xylene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2955 Xylenes, Total	ND	ug/L		0.50	10000	E524.2	11/06/18 23:14 / dm
Surr: p-Bromofluorobenzene	105	%REC			70-130	E524.2	11/06/18 23:14 / dm
Surr: 1,2-Dichloroethane-d4	99.0	%REC			70-130	E524.2	11/06/18 23:14 / dm
Surr: Toluene-d8	91.0	%REC			70-130	E524.2	11/06/18 23:14 / dm

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

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





# QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist  
Project: WY5600217

Report Date: 11/07/18

Work Order: C18110023

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method: E524.2</b>										
Analytical Run: R241463										
Lab ID: 110618_CCV_13	65. Continuing Calibration Verification Standard									11/06/18 17:22
1,1,1,2-Tetrachloroethane		5.24	ug/L	0.50	105	70	130			
1,1,2,2-Tetrachloroethane		4.52	ug/L	0.50	90	70	130			
Tetrachloroethene		5.24	ug/L	0.50	105	70	130			
Toluene		4.84	ug/L	0.50	97	70	130			
1,2,3-Trichlorobenzene		3.76	ug/L	0.50	75	70	130			
1,2,4-Trichlorobenzene		3.81	ug/L	0.50	76	70	130			
1,1,1-Trichloroethane		5.32	ug/L	0.50	106	70	130			
1,1,2-Trichloroethane		4.64	ug/L	0.50	93	70	130			
Trichloroethene		5.12	ug/L	0.50	102	70	130			
Trichlorofluoromethane		5.28	ug/L	0.50	106	70	130			
1,2,3-Trichloropropane		4.56	ug/L	0.50	91	70	130			
1,2,4-Trimethylbenzene		5.04	ug/L	0.50	101	70	130			
1,3,5-Trimethylbenzene		5.28	ug/L	0.50	106	70	130			
Vinyl chloride		5.16	ug/L	0.50	103	70	130			
m+p-Xylenes		9.80	ug/L	0.50	98	70	130			
o-Xylene		4.92	ug/L	0.50	98	70	130			
Trihalomethanes, Total		21.8	ug/L	0.50	109	70	130			
Xylenes, Total		14.7	ug/L	0.50	98	70	130			
Surr: p-Bromofluorobenzene				0.50	102	70	130			
Surr: 1,2-Dichloroethane-d4				0.50	100	70	130			
Surr: Toluene-d8				0.50	98	70	130			

<b>Method: E524.2</b>										
Batch: R241463										
Lab ID: 110618_MBLK_11	65 Method Blank									Run: SATURNCA_181106B
11/06/18 16:18										
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						
n-Butylbenzene		ND	ug/L	0.50						
sec-Butylbenzene		ND	ug/L	0.50						
tert-Butylbenzene		ND	ug/L	0.50						
Carbon tetrachloride		ND	ug/L	0.50						
Chlorobenzene		ND	ug/L	0.50						
Chlorodibromomethane		ND	ug/L	0.50						
Chloroethane		ND	ug/L	0.50						
Chloroform		ND	ug/L	0.50						
Chloromethane		ND	ug/L	0.50						
2-Chlorotoluene		ND	ug/L	0.50						
4-Chlorotoluene		ND	ug/L	0.50						
1,2-Dibromo-3-chloropropane		ND	ug/L	1.0						
Dibromomethane		ND	ug/L	0.50						
1,2-Dichlorobenzene		ND	ug/L	0.50						

### Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.





# QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Project: WY5600217

Report Date: 11/07/18

Work Order: C18110023

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method: E524.2</b>										
Lab ID: 110618_MBLK_11	65	Method Blank								Batch: R241463
Surr: Toluene-d8				0.50	96	70	130			Run: SATURNCA_181106B 11/06/18 16:18
Lab ID: 110618_LCS_14	65	Laboratory Control Sample								Run: SATURNCA_181106B 11/06/18 17:54
Benzene		5.44	ug/L	0.50	109	70	130			
Bromobenzene		5.12	ug/L	0.50	102	70	130			
Bromochloromethane		4.84	ug/L	0.50	97	70	130			
Bromodichloromethane		5.60	ug/L	0.50	112	70	130			
Bromoform		5.52	ug/L	0.50	110	70	130			
Bromomethane		10.6	ug/L	0.50	211	70	130			S
n-Butylbenzene		5.20	ug/L	0.50	104	70	130			
sec-Butylbenzene		5.32	ug/L	0.50	106	70	130			
tert-Butylbenzene		5.20	ug/L	0.50	104	70	130			
Carbon tetrachloride		5.60	ug/L	0.50	112	70	130			
Chlorobenzene		4.88	ug/L	0.50	98	70	130			
Chlorodibromomethane		5.60	ug/L	0.50	112	70	130			
Chloroethane		5.44	ug/L	0.50	109	70	130			
Chloroform		5.52	ug/L	0.50	110	70	130			
Chloromethane		5.24	ug/L	0.50	105	70	130			
2-Chlorotoluene		5.28	ug/L	0.50	106	70	130			
4-Chlorotoluene		4.64	ug/L	0.50	93	70	130			
1,2-Dibromo-3-chloropropane		4.40	ug/L	1.0	88	70	130			
Dibromomethane		4.92	ug/L	0.50	98	70	130			
1,2-Dichlorobenzene		4.64	ug/L	0.50	93	70	130			
1,3-Dichlorobenzene		5.24	ug/L	0.50	105	70	130			
1,4-Dichlorobenzene		4.72	ug/L	0.50	94	70	130			
Dichlorodifluoromethane		7.04	ug/L	0.50	141	70	130			S
1,1-Dichloroethane		5.36	ug/L	0.50	107	70	130			
1,2-Dichloroethane		5.00	ug/L	0.50	100	70	130			
1,2-Dibromoethane		5.16	ug/L	0.50	103	70	130			
1,1-Dichloroethene		5.20	ug/L	0.50	104	70	130			
cis-1,2-Dichloroethene		4.92	ug/L	0.50	98	70	130			
trans-1,2-Dichloroethene		5.20	ug/L	0.50	104	70	130			
1,2-Dichloropropane		4.76	ug/L	0.50	95	70	130			
1,3-Dichloropropane		4.72	ug/L	0.50	94	70	130			
2,2-Dichloropropane		7.64	ug/L	0.50	153	70	130			S
1,1-Dichloropropene		5.36	ug/L	0.50	107	70	130			
cis-1,3-Dichloropropene		5.44	ug/L	0.50	109	70	130			
trans-1,3-Dichloropropene		5.08	ug/L	0.50	102	70	130			
Ethylbenzene		5.44	ug/L	0.50	109	70	130			
Hexachlorobutadiene		5.44	ug/L	0.50	109	70	130			
Isopropylbenzene		6.40	ug/L	0.50	128	70	130			
p-Isopropyltoluene		5.28	ug/L	0.50	106	70	130			
Methyl tert-butyl ether (MTBE)		5.08	ug/L	0.50	102	70	130			
Methylene chloride		5.28	ug/L	0.50	106	70	130			

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.





# Work Order Receipt Checklist

Skyline Ranch Improvement Service Dist

C18110023

Login completed by: Dorian Quis

Date Received: 11/1/2018

Reviewed by: Kasey Vidick

Received by: cns

Reviewed Date: 11/2/2018

Carrier name: Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	8.2°C Melted Ice		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

## 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





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## BOTTLE ORDER 56409



### SHIPPED TO: Clearwater Operations

Contact: Emily Hanner  
4218 W. 9600 South  
Victor ID 83455  
Phone: (307) 690-9557  
Project:

Order Created by: Kasey Vidick  
Shipped From: Casper, WY  
Ship Date: 9/18/2018  
VIA: Ground

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
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40 mL Clear Glass VOA	3	E524.2	524-Purgeable Organics, SDWA		HCL	Contains Additive - Ascorbic Acid. Zero headspace	4
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### Supplies

Trip Blank for VOC Analysis	1	SUPPLIES	Supplies			Do Not Open	1
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- HNO3 - Nitric Acid     H2SO4 - Sulfuric Acid     NaOH - Sodium Hydroxide    **We strongly suggest that the samples are shipped the same day as they are collected.**
- ZnAc - Zinc Acetate     HCl - Hydrochloric Acid     H3PO4 - Phosphoric Acid

**Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets**

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.



# QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Project: WY5600217

Report Date: 11/07/18

Work Order: C18110023

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E524.2											
Lab ID: 110618_LCS_14	65 Laboratory Control Sample				Run: SATURNCA_181106B				Batch: R241463		
										11/06/18 17:54	
Naphthalene		3.75	ug/L	0.50	75	70	130				
n-Propylbenzene		5.20	ug/L	0.50	104	70	130				
Styrene		4.96	ug/L	0.50	99	70	130				
1,1,1,2-Tetrachloroethane		5.48	ug/L	0.50	110	70	130				
1,1,2,2-Tetrachloroethane		4.12	ug/L	0.50	82	70	130				
Tetrachloroethene		5.32	ug/L	0.50	106	70	130				
Toluene		5.12	ug/L	0.50	102	70	130				
1,2,3-Trichlorobenzene		4.08	ug/L	0.50	82	70	130				
1,2,4-Trichlorobenzene		4.12	ug/L	0.50	82	70	130				
1,1,1-Trichloroethane		5.36	ug/L	0.50	107	70	130				
1,1,2-Trichloroethane		4.64	ug/L	0.50	93	70	130				
Trichloroethene		5.16	ug/L	0.50	103	70	130				
Trichlorofluoromethane		5.12	ug/L	0.50	102	70	130				
1,2,3-Trichloropropane		3.87	ug/L	0.50	77	70	130				
1,2,4-Trimethylbenzene		5.32	ug/L	0.50	106	70	130				
1,3,5-Trimethylbenzene		5.16	ug/L	0.50	103	70	130				
Vinyl chloride		5.52	ug/L	0.50	110	70	130				
m+p-Xylenes		10.4	ug/L	0.50	104	70	130				
o-Xylene		4.92	ug/L	0.50	98	70	130				
Trihalomethanes, Total		22.2	ug/L	0.50	111	70	130				
Xylenes, Total		15.3	ug/L	0.50	102	70	130				
Surr: p-Bromofluorobenzene				0.50	96	70	130				
Surr: 1,2-Dichloroethane-d4				0.50	98	70	130				
Surr: Toluene-d8				0.50	95	70	130				

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



# QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Project: WY5600217

Report Date: 11/07/18

Work Order: C18110023

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2										
Lab ID: 110618_MBLK_11	65	Method Blank								
Run: SATURNCA_181106B										
Batch: R241463										
11/06/18 16:18										
1,3-Dichlorobenzene		ND	ug/L	0.50						
1,4-Dichlorobenzene		ND	ug/L	0.50						
Dichlorodifluoromethane		ND	ug/L	0.50						
1,1-Dichloroethane		ND	ug/L	0.50						
1,2-Dichloroethane		ND	ug/L	0.50						
1,2-Dibromoethane		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-Dichloropropane		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						
Hexachlorobutadiene		ND	ug/L	0.50						
Isopropylbenzene		ND	ug/L	0.50						
p-Isopropyltoluene		ND	ug/L	0.50						
Methyl tert-butyl ether (MTBE)		ND	ug/L	0.50						
Methylene chloride		ND	ug/L	0.50						
Naphthalene		ND	ug/L	0.50						
n-Propylbenzene		ND	ug/L	0.50						
Styrene		ND	ug/L	0.50						
1,1,1,2-Tetrachloroethane		ND	ug/L	0.50						
1,1,1,2,2-Tetrachloroethane		ND	ug/L	0.50						
Tetrachloroethene		ND	ug/L	0.50						
Toluene		ND	ug/L	0.50						
1,2,3-Trichlorobenzene		ND	ug/L	0.50						
1,2,4-Trichlorobenzene		ND	ug/L	0.50						
1,1,1-Trichloroethane		ND	ug/L	0.50						
1,1,2-Trichloroethane		ND	ug/L	0.50						
Trichloroethene		ND	ug/L	0.50						
Trichlorofluoromethane		ND	ug/L	0.50						
1,2,3-Trichloropropane		ND	ug/L	0.50						
1,2,4-Trimethylbenzene		ND	ug/L	0.50						
1,3,5-Trimethylbenzene		ND	ug/L	0.50						
Vinyl chloride		ND	ug/L	0.50						
m+p-Xylenes		ND	ug/L	0.50						
o-Xylene		ND	ug/L	0.50						
Trihalomethanes, Total		ND	ug/L	0.50						
Xylenes, Total		ND	ug/L	0.50						
Surr: p-Bromofluorobenzene				0.50	106	70	130			
Surr: 1,2-Dichloroethane-d4				0.50	102	70	130			

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



# QA/QC Summary Report

Prepared by Casper, WY Branch

**Client:** Skyline Ranch Improvement Service Dist

**Project:** WY5600217

**Report Date:** 11/07/18

**Work Order:** C18110023

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> E524.2										
<b>Lab ID:</b> 110618_CCV_13	65	Continuing Calibration Verification Standard								
										Analytical Run: R241463 11/06/18 17:22
Benzene		5.12	ug/L	0.50	102	70	130			
Bromobenzene		5.08	ug/L	0.50	102	70	130			
Bromochloromethane		4.80	ug/L	0.50	96	70	130			
Bromodichloromethane		5.36	ug/L	0.50	107	70	130			
Bromoform		5.68	ug/L	0.50	114	70	130			
Bromomethane		6.32	ug/L	0.50	126	70	130			
n-Butylbenzene		4.96	ug/L	0.50	99	70	130			
sec-Butylbenzene		5.28	ug/L	0.50	106	70	130			
tert-Butylbenzene		5.32	ug/L	0.50	106	70	130			
Carbon tetrachloride		5.28	ug/L	0.50	106	70	130			
Chlorobenzene		5.08	ug/L	0.50	102	70	130			
Chlorodibromomethane		5.28	ug/L	0.50	106	70	130			
Chloroethane		5.56	ug/L	0.50	111	70	130			
Chloroform		5.48	ug/L	0.50	110	70	130			
Chloromethane		4.56	ug/L	0.50	91	70	130			
2-Chlorotoluene		5.24	ug/L	0.50	105	70	130			
4-Chlorotoluene		5.00	ug/L	0.50	100	70	130			
1,2-Dibromo-3-chloropropane		4.44	ug/L	1.0	89	70	130			
Dibromomethane		5.28	ug/L	0.50	106	70	130			
1,2-Dichlorobenzene		4.60	ug/L	0.50	92	70	130			
1,3-Dichlorobenzene		4.92	ug/L	0.50	98	70	130			
1,4-Dichlorobenzene		5.12	ug/L	0.50	102	70	130			
Dichlorodifluoromethane		5.28	ug/L	0.50	106	70	130			
1,1-Dichloroethane		5.04	ug/L	0.50	101	70	130			
1,2-Dichloroethane		4.96	ug/L	0.50	99	70	130			
1,2-Dibromoethane		5.04	ug/L	0.50	101	70	130			
1,1-Dichloroethene		5.32	ug/L	0.50	106	70	130			
cis-1,2-Dichloroethene		4.96	ug/L	0.50	99	70	130			
trans-1,2-Dichloroethene		5.04	ug/L	0.50	101	70	130			
1,2-Dichloropropane		4.92	ug/L	0.50	98	70	130			
1,3-Dichloropropane		4.72	ug/L	0.50	94	70	130			
2,2-Dichloropropane		7.00	ug/L	0.50	140	70	130			
1,1-Dichloropropene		5.28	ug/L	0.50	106	70	130			S
cis-1,3-Dichloropropene		5.12	ug/L	0.50	102	70	130			
trans-1,3-Dichloropropene		5.24	ug/L	0.50	105	70	130			
Ethylbenzene		5.24	ug/L	0.50	105	70	130			
Hexachlorobutadiene		4.64	ug/L	0.50	93	70	130			
Isopropylbenzene		5.24	ug/L	0.50	105	70	130			
p-Isopropyltoluene		4.96	ug/L	0.50	99	70	130			
Methyl tert-butyl ether (MTBE)		4.92	ug/L	0.50	98	70	130			
Methylene chloride		5.04	ug/L	0.50	101	70	130			
Naphthalene		3.44	ug/L	0.50	69	70	130			
n-Propylbenzene		5.04	ug/L	0.50	101	70	130			S
Styrene		4.80	ug/L	0.50	96	70	130			

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.





### LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Skyline Ranch Improvement Service Dist

Lab ID: C18110023-001

Client Sample ID: ST02 SP03

Report Date: 11/08/18

PWS #: WY5600217 Name: SKYLINE RANCH I&S DISTRICT

Collection Date: 10/30/18 09:35

Facility ID: ST02

Date Received: 11/01/18

SamplingPoint/Location: SP03 / ST02 SP03

Matrix: Drinking Water

Project ID: WY5600217

Federal ID#: WY00002

Collector's Name: Emily Hanner

Contact Phone #:

Compliance Sample: YES

Sample Type: RT

FRDS Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
<b>VOLATILE ORGANIC COMPOUNDS</b>							
2990 Benzene	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2993 Bromobenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2430 Bromochloromethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2943 Bromodichloromethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2942 Bromoform	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2214 Bromomethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2422 n-Butylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2428 sec-Butylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2426 tert-Butylbenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2982 Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2989 Chlorobenzene	ND	ug/L		0.50	100	E524.2	11/06/18 23:14 / dm
2944 Chlorodibromomethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2216 Chloroethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2941 Chloroform	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2210 Chloromethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2965 2-Chlorotoluene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2966 4-Chlorotoluene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2931 1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	11/06/18 23:14 / dm
2408 Dibromomethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2968 1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	11/06/18 23:14 / dm
2967 1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2969 1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	11/06/18 23:14 / dm
2212 Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2978 1,1-Dichloroethane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2980 1,2-Dichloroethane	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2946 1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	11/06/18 23:14 / dm
2977 1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	11/06/18 23:14 / dm
2380 cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	11/06/18 23:14 / dm
2979 trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	11/06/18 23:14 / dm
2983 1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	11/06/18 23:14 / dm
2412 1,3-Dichloropropane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2416 2,2-Dichloropropane	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2410 1,1-Dichloropropene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2413 cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2224 trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	11/06/18 23:14 / dm
2992 Ethylbenzene	ND	ug/L		0.50	700	E524.2	11/06/18 23:14 / dm

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

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