



5/22/2013

Work Order: 1303454

Leeds Domestic Water Association

Attn: LDWA

P.O. Box 460627

Leeds, UT 84746-0627

Client Service Contact: Linda Daniels 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.



Approved By:

Dave Gayer, Laboratory Director



Certificate of Analysis

Lab Sample No.: 1303454-01

Name: Leeds Domestic Water Association	Sample Date: 4/30/2013 11:15 AM
Sample Site: Oak Grove Spring	Receipt Date: 5/1/2013 10:15 AM
Comments:	Sampler: Mark Osmer
Sample Type: Drinking Water	System No.: UTAH27010
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Inorganic								
Nitrate as N	ND	10	0.1	mg/L	5/9/2013 7:00	TSM	Calculation	
Radiochemistry								
Gross Alpha	3.3	15		pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Alpha LLD	1.3			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Alpha Variance	1.8			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Beta	1.7			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Beta LLD	3.0			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Beta Variance	2.0			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Radium-228	1.1			pCi/L	5/16/2013 15:55	ACZ	EPA 904.0	SL-17
Radium-228 LLD	2.0			pCi/L	5/16/2013 15:55	ACZ	EPA 904.0	SL-17
Radium-228 Variance	0.99			pCi/L	5/16/2013 15:55	ACZ	EPA 904.0	SL-17
Carbamates								
3-Hydroxycarbofuran	ND		1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Aldicarb	ND		1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Aldicarb sulfone	ND		1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Aldicarb sulfoxide	ND		1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Carbaryl	ND		1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Carbofuran	ND	40	1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Methomyl	ND		1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Oxamyl	ND	200	1.0	ug/L	5/2/2013 17:10	RB	EPA 531.1	
Herbicides								
2,4,5-TP (Silvex)	ND	50	0.440	ug/L	5/8/2013 15:43	FJ	EPA 515.3	
2,4-D	ND	70	0.220	ug/L	5/8/2013 15:43	FJ	EPA 515.3	
Dalapon	ND	200	2.20	ug/L	5/8/2013 15:43	FJ	EPA 515.3	
Dicamba	ND		1.00	ug/L	5/8/2013 15:43	FJ	EPA 515.3	
Dinoseb	ND	7	0.440	ug/L	5/8/2013 15:43	FJ	EPA 515.3	
Pentachlorophenol	ND	1	0.088	ug/L	5/8/2013 15:43	FJ	EPA 515.3	
Picloram	ND	500	0.220	ug/L	5/8/2013 15:43	FJ	EPA 515.3	



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Name: Leeds Domestic Water Association	Sample Date: 4/30/2013 11:15 AM
Sample Site: Oak Grove Spring	Receipt Date: 5/1/2013 10:15 AM
Comments:	Sampler: Mark Osmer
Sample Type: Drinking Water	System No.: UTAH27010
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Pesticides								
Endrin	ND	2	0.022	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
Heptachlor	ND	0.4	0.088	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
Heptachlor epoxide	ND	0.2	0.044	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
Lindane	ND	0.2	0.044	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
Methoxychlor	ND	40	0.22	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1016	ND	0.2	0.20	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1221	ND	0.5	0.20	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1232	ND	0.5	0.20	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1242	ND	0.5	0.50	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1248	ND	0.5	0.50	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1254	ND	0.5	0.50	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB-1260	ND	0.5	0.50	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
PCB - Total	ND	0.5	0.50	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	
Toxaphene	ND	3	2.2	ug/L	5/3/2013 19:02	FAJ	EPA 508.1	

Semi-Volatile Compounds								
Alachlor	ND	2	0.44	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Aldrin	ND		2.00	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Atrazine	ND	3	0.22	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Benzo (a) pyrene	ND	0.2	0.04	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Bis(2-ethylhexyl) adipate	ND	400	1.30	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Bis (2-ethylhexyl) Phthalate	ND	6	1.30	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Butachlor	ND		0.50	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
alpha-Chlordane	ND	2	0.44	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
gamma-Chlordane	ND	2	0.44	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Chlordane - Total	ND	2	0.44	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Dieldrin	ND		1.00	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Hexachlorobenzene	ND	1	0.22	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Hexachlorocyclopentadiene	ND	50	0.22	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Metolachlor	ND		0.50	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Metribuzin	ND		0.50	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Propachlor	ND		0.50	ug/L	5/8/2013 13:42	GWB	EPA 525.2	
Simazine	ND	4	0.15	ug/L	5/8/2013 13:42	GWB	EPA 525.2	



Certificate of Analysis

Lab Sample No.: 1303454-01

Name: Leeds Domestic Water Association	Sample Date: 4/30/2013 11:15 AM
Sample Site: Oak Grove Spring	Receipt Date: 5/1/2013 10:15 AM
Comments:	Sampler: Mark Osmer
Sample Type: Drinking Water	System No.: UTAH27010
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1,1-Trichloroethane	ND	200	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1,2-Trichloroethane	ND	5	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1,2-Trichlorotrifluoroethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1-Dichloroethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1-Dichloroethene	ND	7	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,1-Dichloropropene	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2,3-Trichlorobenzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2,3-Trichloropropane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2,4-Trichlorobenzene	ND	70	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2,4-Trimethylbenzene	ND	70	1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2-Dichlorobenzene	ND	600	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2-Dichloroethane	ND	5	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,2-Dichloropropane	ND	5	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,3,5-Trimethylbenzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,3-Dichlorobenzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,3-Dichloropropane	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
1,4-Dichlorobenzene	ND	75	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
2,2-Dichloropropane	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
2-Chlorotoluene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
4-Chlorotoluene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Benzene	ND	5	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Bromobenzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Bromochloromethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Bromodichloromethane	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Bromoform	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Bromomethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Carbon Tetrachloride	ND	5	1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Chlorobenzene	ND	100	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Chloroethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Chloroform	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Chloromethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
cis-1,2-Dichloroethene	ND	70	1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
cis-1,3-Dichloropropene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Dibromochloromethane	ND		0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Dibromomethane	ND	5	1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	



Certificate of Analysis

Lab Sample No.: 1303454-01

Name: Leeds Domestic Water Association	Sample Date: 4/30/2013 11:15 AM
Sample Site: Oak Grove Spring	Receipt Date: 5/1/2013 10:15 AM
Comments:	Sampler: Mark Osmer
Sample Type: Drinking Water	System No.: UTAH27010
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Volatile Organic Compounds								
Dichlorodifluoromethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Ethyl Benzene	ND	700	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Hexachlorobutadiene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Isopropylbenzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Methyl tert-Butyl Ether (MTBE)	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Methylene Chloride	ND	5	1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Naphthalene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
n-Butyl Benzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
n-Propyl Benzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
p-Isopropyltoluene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
sec-Butyl Benzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Styrene	ND	100	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
tert-Butylbenzene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Tetrachloroethene	ND	5	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Toluene	ND	1000	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
trans-1,2-Dichloroethene	ND	100	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
trans-1,3-Dichloropropene	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Trichloroethene	ND	5	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Trichlorofluoromethane	ND		1.0	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Vinyl Chloride	ND	2	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	
Xylenes, total	ND	10000	0.5	ug/L	5/2/2013 16:37	GWB	EPA 524.2	



Certificate of Analysis

Lab Sample No.: **1303454-02**

Name: Leeds Domestic Water Association	Sample Date: 4/30/2013 10:00 AM
Sample Site: Leeds Well	Receipt Date: 5/1/2013 10:15 AM
Comments:	Sampler: Mark Osmer
Sample Type: Drinking Water	System No.: UTAH27010
Source Code: WS002	Sample Point: WS002
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Inorganic								
Nitrate as N	0.4	10	0.1	mg/L	5/9/2013 7:00	TSM	Calculation	
Radiochemistry								
Gross Alpha	2.7	15		pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Alpha LLD	1.5			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Alpha Variance	2.0			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Beta	3.7			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Beta LLD	3.2			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Gross Beta Variance	2.5			pCi/L	5/14/2013 12:18	ACZ	EPA 900.0	SL-17
Radium-228	0.49			pCi/L	5/16/2013 15:55	ACZ	EPA 904.0	SL-17
Radium-228 LLD	1.2			pCi/L	5/16/2013 15:55	ACZ	EPA 904.0	SL-17
Radium-228 Variance	0.65			pCi/L	5/16/2013 15:55	ACZ	EPA 904.0	SL-17



Certificate of Analysis

Lab Sample No.: 1303454-03

Name: Leeds Domestic Water Association	Sample Date: 4/30/2013 9:30 AM
Sample Site: El Dorado Well	Receipt Date: 5/1/2013 10:15 AM
Comments:	Sampler: Mark Osmer
Sample Type: Drinking Water	System No.: UTAH27010
Source Code: WS003	Sample Point: WS003
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Inorganic								
Nitrate as N	0.6	10	0.1	mg/L	5/9/2013 7:00	TSM	Calculation	

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
 1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
 1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
 1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.
 MCL = Maximum Contaminant Level as defined by USEPA

Data Comparisons

Values reported in **RED** exceed Primary Drinking Water standards.
 Values reported in **BLUE** exceed Secondary Drinking Water standards.
BLANK values in the MCL column indicate no standard.

Flag Descriptions

SL-17 = Analysis performed by ACZ Laboratories, 2773 Downhill Drive, Steamboat Springs, CO 80487.

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

COMPANY: L.D.W.A. (LEEDS) # 27D10
 ADDRESS: 2040 SILVER REEF DRIVE
 CITY/STATE/ZIP: LEEDS UT. 84746
 PHONE #: 435-879-0278 FAX: _____
 CONTACT: _____ PROJECT: _____
 EMAIL: _____

BILLING ADDRESS: _____
 BILLING CITY/STATE/ZIP: _____
 PURCHASE ORDER #: _____



CHEMTECH-FORD
LABORATORIES

TURNAROUND REQUIRED:* _____

*Expedited turnaround subject to additional charge

____ Mark 'X' here if you want a copy sent to DEQ Division of Drinking Water.

Lab ID #	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	FACILITY ID	MATRIX	ANALYTICAL TESTS REQUESTED										Bacteriological				Repeat (Fail #)	SYSTEM #	
						NITRATE	VOC	PESTICIDES	RADS	FIELD: Residual Chlorine	Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. coli only	R = Routine	I = Investigative	TG = Trigger Source	CO = Confirmation				
03454																						
-01	1. OAK GROVE SPRING	4/30/13	11:15 AM	WS001	DW = Drinking Water	X	X	X	X													
-02	2. LEEDS WELL	4/30/13	10-AM	WS002	WW = Wastewater	X			X													
-03	3. ELDORADO WELL	4/30/13	9:30 AM	WS003	W = Water	X																
	4.				S = Soil																	
	5.				SO = Solid																	
	6.				SL = Sludge																	
	7.				O = Other																	
	8.																					
	9.																					
	10.																					

REPEAT
 OR = Original Location
 UP = Upstream
 DN = Downstream

Sampled by: [print] MARK OSMER

Sampled by: [signature] *M. Osmer*

ON ICE NOT ON ICE 11°C

Special Instructions: _____

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
		<i>J. [Signature]</i>	5/1/13 10:15 AM
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD 6100 South Stratler Street (380 West) Murray, UT 84107 Phone: 801-262-7299 FAX: 801-262-7378 www.chemtechford.com
 Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

TRACKING #: 1Z 3X3 V62 01 6929 1501



CHEMTECH-FORD LABORATORIES

CHEMTECH-FORD LABORATORIES

Sample Receipt Checklist

Lab ID #: 03454

Delivery Method: (circle one)

UPS FedEX USPS
Walk-In Courier Chemtech

Sample(s) sealed: Yes (No)

Appropriate container/preserve: (Yes) No

Temperature 11 °C

No. of Subsample(s)	Preserved by client / third party	Preserved in Receiving Laboratory	Vials submitted with headspace	Sample submitted past hold time	Filtered by client in field
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	Lab ID #	Bottle Type	Lot # (preservative)	No. of Subsample(s)	Preserved by client / third party	Preserved in Receiving Laboratory	Vials submitted with headspace	Sample submitted past hold time	Filtered by client in field
1	01	P	HNO ₂		X				
2		J1-4	953						
3		AP							
4		X1- P	958						
5		U1-2	929						
6		V1-2	946						
7	03	P	HNO ₃		X				
8		AP							
9	03	AG							
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Comments:

Bottle Type	
Plastic	Glass
A- Plastic Unpreserved	D- 625 (Na ₂ S ₂ O ₃)
B- Miscellaneous Plastic	G- Glass Unpreserved
C- Cyanide Qt (NaOH)	H- HAAs (NH ₄ Cl)
F- Sulfide Qt (NaOH/Zn Acetate)	J- 508/515/525 (Na ₂ SO ₃)
M- Metals Pint (HNO ₃)	O- Oil & Grease (1:1 HCl)
N- Nutrient Pint (H ₂ SO ₄)	P- Phenols (H ₂ SO ₄)
R- Radiological Gallon (HNO ₃)	T- TOC/TOX (H ₃ PO ₄)
S- Sludge Cups/Tubs	U- 531 (MCAA, Na ₂ S ₂ O ₃)
Q- Plastic Bags	V- 524/THMs (Ascorbic Acid)
E- Coliform/Ecoli	W- 8260 (1:1 HCl)
Additional Volumes	
Q- quart 1/2pt- half pint	X- Vial Unpreserved
P- pint 1/2- half gallon	Y- 624/504 (Na ₂ S ₂ O ₃)
	Z- Miscellaneous Glass