

**Technical Report for**

Received  
5/23/2011  
04:28pm  
Rifle COGCC

**LT Environmental**

**Epperly Water Well**

**BBC1026**

**Accutest Job Number: D22332**

**Sampling Date: 04/04/11**

**Report to:**

**LT Environmental**

**bdodek@ltenv.com**

**ATTN: Brian Dodek**

**Total number of pages in report: 20**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.



**John Hamilton**  
**Laboratory Director**

**Client Service contact: Amanda Kissell 303-425-6021**

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

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Test results relate only to samples analyzed.

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## Sample Summary

LT Environmental

Job No: D22332

Epperly Water Well  
Project No: BBC1026

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D22332-1	04/04/11	10:39	AW	04/05/11	AQ Water	EPPERLY WATER WELL
D22332-1A	04/04/11	10:39	AW	04/05/11	AQ Water	EPPERLY WATER WELL
D22332-1B	04/04/11	10:39	AW	04/05/11	AQ Water	EPPERLY WATER WELL

Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL		
<b>Lab Sample ID:</b>	D22332-1	<b>Date Sampled:</b>	04/04/11
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b>	04/05/11
<b>Method:</b>	SW846 8260B	<b>Percent Solids:</b>	n/a
<b>Project:</b>	Epperly Water Well		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V14880.D	1	04/12/11	DC	n/a	n/a	V5V874
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> EPPERLY WATER WELL	
<b>Lab Sample ID:</b> D22332-1	<b>Date Sampled:</b> 04/04/11
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 04/05/11
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Epperly Water Well	

### VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		63-130%
2037-26-5	Toluene-D8	83%		68-130%
460-00-4	4-Bromofluorobenzene	85%		61-130%

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 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL		<b>Date Sampled:</b>	04/04/11
<b>Lab Sample ID:</b>	D22332-1		<b>Date Received:</b>	04/05/11
<b>Matrix:</b>	AQ - Water		<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8270C SW846 3520C			
<b>Project:</b>	Epperly Water Well			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G101695.D	1	04/12/11	TMB	04/10/11	OP3459	E1G402
Run #2 <sup>a</sup>	1G101828.D	1	04/19/11	TMB	04/18/11	OP3491	E1G406

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2	1060 ml	1.0 ml

## ABN HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	4.7	3.9	ug/l	
95-57-8	2-Chlorophenol	ND	1.9	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.7	2.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	1.9	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND	0.95	0.95	ug/l	
51-28-5	2,4-Dinitrophenol	ND	4.7	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	1.9	0.95	ug/l	
95-48-7	2-Methylphenol	ND	4.7	2.4	ug/l	
106-44-5	4-Methylphenol	ND	1.9	1.7	ug/l	
88-75-5	2-Nitrophenol	ND	4.7	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	1.9	1.0	ug/l	
87-86-5	Pentachlorophenol	ND	4.7	1.2	ug/l	
108-95-2	Phenol	ND	4.7	2.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	1.9	1.2	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	1.9	1.6	ug/l	
83-32-9	Acenaphthene	ND	0.95	0.95	ug/l	
208-96-8	Acenaphthylene	ND	0.95	0.95	ug/l	
120-12-7	Anthracene	ND	1.9	1.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.95	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.95	0.85	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.9	1.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.9	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.9	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.7	1.4	ug/l	
85-68-7	Butyl benzyl phthalate	ND	1.9	1.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.7	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.7	1.7	ug/l	
106-47-8	4-Chloroaniline	ND	0.95	0.95	ug/l	
218-01-9	Chrysene	ND	0.95	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.7	2.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	0.95	0.95	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.7	2.4	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL		<b>Date Sampled:</b>	04/04/11
<b>Lab Sample ID:</b>	D22332-1		<b>Date Received:</b>	04/05/11
<b>Matrix:</b>	AQ - Water		<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8270C SW846 3520C			
<b>Project:</b>	Epperly Water Well			

## ABN HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.7	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.95	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.95	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.95	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.95	0.95	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.7	1.7	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	0.95	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.9	1.5	ug/l	
132-64-9	Dibenzofuran	ND	4.7	1.7	ug/l	
84-74-2	Di-n-butyl phthalate	ND	1.9	1.2	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.7	1.7	ug/l	
84-66-2	Diethyl phthalate	ND	4.7	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.7	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1.9	1.4	ug/l	
206-44-0	Fluoranthene	ND	1.9	1.1	ug/l	
86-73-7	Fluorene	ND	1.9	1.3	ug/l	
118-74-1	Hexachlorobenzene	ND	4.7	1.9	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.95	0.95	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.7	1.7	ug/l	
67-72-1	Hexachloroethane	ND	0.95	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.9	1.5	ug/l	
78-59-1	Isophorone	ND	0.95	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.7	1.7	ug/l	
88-74-4	2-Nitroaniline	ND	4.7	2.1	ug/l	
99-09-2	3-Nitroaniline	ND	4.7	1.7	ug/l	
100-01-6	4-Nitroaniline	ND	4.7	1.4	ug/l	
91-20-3	Naphthalene	ND	0.95	0.95	ug/l	
98-95-3	Nitrobenzene	ND	0.95	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	1.9	1.5	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	0.95	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.7	1.9	ug/l	
129-00-0	Pyrene	ND	0.95	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%	80%	43-130%
4165-62-2	Phenol-d5	48%	79%	47-130%
118-79-6	2,4,6-Tribromophenol	47%	83%	32-138%
4165-60-0	Nitrobenzene-d5	35% <sup>b</sup>	54%	45-130%

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RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> EPPERLY WATER WELL		<b>Date Sampled:</b> 04/04/11
<b>Lab Sample ID:</b> D22332-1		<b>Date Received:</b> 04/05/11
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270C SW846 3520C		
<b>Project:</b> Epperly Water Well		

**ABN HSL List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	36% <sup>b</sup>	55%	45-130%
1718-51-0	Terphenyl-d14	56%	67%	47-136%

- (a) Confirmation run.
- (b) Outside control limits due to possible matrix interference. Confirmed by re-extraction and reanalysis outside of holdtime.

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ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL	
<b>Lab Sample ID:</b>	D22332-1	<b>Date Sampled:</b> 04/04/11
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b> 04/05/11
<b>Method:</b>	SW846 8015B	<b>Percent Solids:</b> n/a
<b>Project:</b>	Epperly Water Well	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB0324.D	1	04/06/11	BR	n/a	n/a	GGB600
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	82%		60-140%		

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 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> EPPERLY WATER WELL	
<b>Lab Sample ID:</b> D22332-1	<b>Date Sampled:</b> 04/04/11
<b>Matrix:</b> AQ - Water	<b>Date Received:</b> 04/05/11
<b>Method:</b> RSK175 MOD	<b>Percent Solids:</b> n/a
<b>Project:</b> Epperly Water Well	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB3629.D	1	04/07/11	EH	n/a	n/a	GFB104
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.00080	0.00080	mg/l	

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 RL = Reporting Limit  
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J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL	
<b>Lab Sample ID:</b>	D22332-1	<b>Date Sampled:</b> 04/04/11
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b> 04/05/11
<b>Method:</b>	SW846-8015B SW846 3510C	<b>Percent Solids:</b> n/a
<b>Project:</b>	Epperly Water Well	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD6274.D	1	04/11/11	JB	04/06/11	OP3449	GFD274
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.38	0.29	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	113%		40-137%		

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 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: EPPERLY WATER WELL

Lab Sample ID: D22332-1

Date Sampled: 04/04/11

Matrix: AQ - Water

Date Received: 04/05/11

Percent Solids: n/a

Project: Epperly Water Well

## Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Antimony	< 0.80	0.80	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Arsenic	2.2	1.6	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Barium	12.6	4.0	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Beryllium	< 10	10	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Boron	153	50	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Cadmium	< 0.20	0.20	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Calcium	39300	400	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Chromium	< 10	10	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Cobalt	< 0.40	0.40	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Copper	11.3	4.0	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Iron	< 70	70	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Lead	< 1.0	1.0	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Lithium	66.6	2.0	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Magnesium	7160	200	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Manganese	< 2.0	2.0	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Molybdenum	17.1	2.0	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Nickel	< 30	30	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Potassium	3300	1000	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Selenium	90.3	0.80	ug/l	2	04/05/11	04/09/11 JM	EPA 200.8 <sup>3</sup>	EPA 200.8 <sup>4</sup>
Silver	< 0.20	0.20	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Sodium	755000	400	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Strontium	1870	40	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Thallium	< 0.40	0.40	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Uranium	17.4	0.40	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>
Vanadium	< 10	10	ug/l	1	04/06/11	04/06/11 JM	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>5</sup>
Zinc	< 20	20	ug/l	2	04/05/11	04/07/11 GJ	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>4</sup>

(1) Instrument QC Batch: MA1436

(2) Instrument QC Batch: MA1439

(3) Instrument QC Batch: MA1443

(4) Prep QC Batch: MP4394

(5) Prep QC Batch: MP4400

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

<b>Client Sample ID:</b>	EPPERLY WATER WELL	<b>Date Sampled:</b>	04/04/11
<b>Lab Sample ID:</b>	D22332-1	<b>Date Received:</b>	04/05/11
<b>Matrix:</b>	AQ - Water	<b>Percent Solids:</b>	n/a
<b>Project:</b>	Epperly Water Well		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	253	5.0	mg/l	1	04/12/11	JK	SM20 2320B
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/12/11	JK	SM20 2320B
Alkalinity, Total as CaCO <sub>3</sub>	253	5.0	mg/l	1	04/12/11	JK	SM20 2320B
Bromide	1.4	1.0	mg/l	5	04/05/11 11:14	JML	EPA 300/SW846 9056
Cation Anion Balance	2.49		%	1	04/13/11	MM	SM20 1030E
Chloride	127	2.5	mg/l	5	04/05/11 11:14	JML	EPA 300/SW846 9056
Fluoride	2.5	1.0	mg/l	5	04/20/11 12:56	CB	EPA 300/SW846 9056
Nitrogen, Nitrate	1.4	0.23	mg/l	5	04/05/11 11:14	JML	EPA 300/SW846 9056
Nitrogen, Nitrite <sup>a</sup>	< 0.61	0.61	mg/l	10	04/05/11 11:57	JML	EPA 300/SW846 9056
Solids, Total Dissolved	2500	10	mg/l	1	04/07/11	JK	SM20 2540C
Specific Conductivity	3430	1.0	umhos/cm	1	04/07/11	JK	SM20 2510B
Sulfate	1370	50	mg/l	100	04/05/11 11:42	JML	EPA 300/SW846 9056
Total Organic Carbon	6.3	1.0	mg/l	1	04/08/11 11:59	GH	SM20 5310B
pH	8.05		su	1	04/05/11 15:00	JK	SM20 4500H

(a) Elevated detection limit due to matrix interference.

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL		
<b>Lab Sample ID:</b>	D22332-1A	<b>Date Sampled:</b>	04/04/11
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b>	04/05/11
<b>Project:</b>	Epperly Water Well	<b>Percent Solids:</b>	n/a

### SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	41.7	2.0	mg/l	1	04/08/11	04/08/11 GJ	SW846 6010B <sup>1</sup>	EPA 200.7 <sup>2</sup>
Magnesium	7.58	1.0	mg/l	1	04/08/11	04/08/11 GJ	SW846 6010B <sup>1</sup>	EPA 200.7 <sup>2</sup>
Sodium	816	2.0	mg/l	1	04/08/11	04/08/11 GJ	SW846 6010B <sup>1</sup>	EPA 200.7 <sup>2</sup>

(1) Instrument QC Batch: MA1444

(2) Prep QC Batch: MP4422

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL		
<b>Lab Sample ID:</b>	D22332-1A	<b>Date Sampled:</b>	04/04/11
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b>	04/05/11
<b>Project:</b>	Epperly Water Well	<b>Percent Solids:</b>	n/a

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio <sup>a</sup>	30.5		ratio	1	04/08/11 15:24	GJ	LADNR29B

(a) Calculated as:  $(\text{Na meq/L}) / \sqrt{[(\text{Ca meq/L}) + (\text{Mg meq/L})/2]}$

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RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b>	EPPERLY WATER WELL		
<b>Lab Sample ID:</b>	D22332-1B	<b>Date Sampled:</b>	04/04/11
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b>	04/05/11
<b>Project:</b>	Epperly Water Well	<b>Percent Solids:</b>	n/a

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Silicon	3300	50	ug/l	1	04/11/11	04/15/11 GJ	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>2</sup>

(1) Instrument QC Batch: MA1459

(2) Prep QC Batch: MP4429

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RL = Reporting Limit

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

4036 Youngfield Street, Wheat Ridge, CO 80033  
TEL: 303-425-6021 FAX: 303-425-6854  
www.accutest.com

FED-EX Tracking #  
Accutest Quote #  
Bottle Order Control #  
Accutest Job # **D22332**

Client / Reporting Information		Project Information				Requested Analysis ( see TEST CODE sheet)														Matrix Codes																											
Company Name <b>LT Environmental</b>		Project Name: <b>Eoperly Water Well</b>				<table border="1"> <tr><td>VOCs 8260c</td><td>SVOCs 8270 D</td><td>Total Organic Carbon</td><td>Methane RSK 175</td><td>TPH-GRO, TPH-DRO 8015</td><td>SAR</td><td>Metals (200, 7200.8)</td><td>pH 150.1, Specific Conductance 120.1, TDS 150.1</td><td>Ammonia 310.1</td><td>NO3, NO2, 300.0</td><td>Calcium/Ammon Balance 300.0</td><td>Hold</td><td>LAB USE ONLY</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td>CI</td></tr> </table>														VOCs 8260c	SVOCs 8270 D	Total Organic Carbon	Methane RSK 175	TPH-GRO, TPH-DRO 8015	SAR	Metals (200, 7200.8)	pH 150.1, Specific Conductance 120.1, TDS 150.1	Ammonia 310.1	NO3, NO2, 300.0	Calcium/Ammon Balance 300.0	Hold	LAB USE ONLY	X	X	X	X	X	X	X	X	X	X	X		CI	CW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
VOCs 8260c	SVOCs 8270 D	Total Organic Carbon	Methane RSK 175	TPH-GRO, TPH-DRO 8015	SAR															Metals (200, 7200.8)	pH 150.1, Specific Conductance 120.1, TDS 150.1	Ammonia 310.1	NO3, NO2, 300.0	Calcium/Ammon Balance 300.0	Hold	LAB USE ONLY																					
X	X	X	X	X	X															X	X	X	X	X		CI																					
Street Address <b>820 Megan Avenue Unit B</b>		Street		Billing Information ( if different from Report to)																																											
City <b>Rifle, Colorado</b>		City		Company Name																																											
Project Contact <b>Asher Weinberg aweinberg@tenv.com</b>		Project # <b>BBC1026</b>		Street Address																																											
Phone # <b>(303) 456-9207</b>		Client Purchase Order #		City																																											
Sampler(s) Name(s) <b>AW</b>		Project Manager <b>Brian D</b>		Attention:																																											
Account Sample #	Field ID / Point of Collection	MECH/ID Vial #	Collection			Number of preserved bottles							Matrix	# of bottles	PCL	MCH	MCH+	L2004	NONE	DI WATER	MCH	ENCL	Matrix Codes	LAB USE ONLY																							
			Date	Time	Sampled by	AW	WW	21	X	X	X	X													X	X	X	X	X	X	X	X	X	X	X	X	X										
	Epperly Water Well		4/4/11	10:39	AW	WW	21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	CI																							
Turnaround Time ( Business days)		Data Deliverable Information				Comments / Special Instructions																																									
<input checked="" type="checkbox"/> Std. 15 Business Days <input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 6 Day RUSH <input type="checkbox"/> 3 Day Emergency <input type="checkbox"/> 2 Day Emergency <input type="checkbox"/> 1 Day Emergency <input type="checkbox"/> Emergency & Rush T/A data available VIA Lablink		Approved By (Accutest PM): / Date: _____				<input type="checkbox"/> Commercial "A" ( Level 1) <input checked="" type="checkbox"/> Commercial "B" ( Level 2) <input type="checkbox"/> COMMBN <input type="checkbox"/> COMMBN+ <input type="checkbox"/> Commercial "A" = Results Only <input type="checkbox"/> Commercial "B" = Results + QC Summary <input type="checkbox"/> Commercial BN = Results/QC/Run alive (+/- chromatograms)							<input type="checkbox"/> State Forms Required <input type="checkbox"/> Send Forms to State <input type="checkbox"/> Report by Fax <input type="checkbox"/> Report by PDF <input type="checkbox"/> EDD Format							Hold Bucket Rinseate Blank Sample																											
<b>Sample Custody must be documented below each time samples change possession, including courier delivery.</b>																																															
Relinquished by Sampler:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:																								
1	14:40	4/4/11	1	2	4/5/11	2	4/5/11	3	4/5/11	3	4/5/11	4	4/5/11	4	4/5/11	5	4/5/11	5	4/5/11	5	4/5/11	5	4/5/11	5																							
Custody Seal # <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not Intact Preserves when applicable On Ice <input checked="" type="checkbox"/>																																															

Fedex

31  
3

D22332: Chain of Custody

Page 1 of 2

# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D22332

Client: LT

Immediate Client Services Action Required: No

Date / Time Received: 4/5/2011 8:45:00 AM

No. Coolers: 1

Client Service Action Required at Login: No

Project: EPPERLY WATER WELL

Airbill #'s: FEDEX

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

<u>Quality Control Preservation</u>	<u>Y or N</u>		<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>	<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>	<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	Intact	

<u>Sample Integrity - Instructions</u>	<u>Y or N</u>		<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments