

**Technical Report for**

**Corral Ranches Development Company**

**Land Resource**

**Accutest Job Number: D42816**

**Sampling Date: 01/22/13**

**Report to:**


**Land Resource Association  
9736 Mountain Road  
Chipita Park, CO 80809  
chipita1@comcast.net**

**ATTN: David Jones**

**Total number of pages in report: 36**



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.

  
**Brad Madadian**  
**Laboratory Director**

**Client Service contact: Renea Jackson 303-425-6021**

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

# Table of Contents

-1-

<b>Section 1: Sample Summary</b> .....	<b>3</b>
<b>Section 2: Summary of Hits</b> .....	<b>4</b>
<b>Section 3: Sample Results</b> .....	<b>5</b>
<b>3.1:</b> D42816-1: ARAPAHOE .....	6
<b>3.2:</b> D42816-1B: ARAPAHOE .....	17
<b>3.3:</b> D42816-2: DENVER .....	19
<b>3.4:</b> D42816-2B: DENVER .....	31
<b>Section 4: Misc. Forms</b> .....	<b>33</b>
<b>4.1:</b> Chain of Custody .....	34



### Sample Summary

Corral Ranches Development Company

Job No: D42816

Land Resource

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D42816-1	01/22/13	13:30 DJ	01/24/13	DW	Drinking Water	ARAPAHOE
D42816-1B	01/22/13	13:30 DJ	01/24/13	DW	Drinking Water	ARAPAHOE
D42816-2	01/22/13	14:00 DJ	01/24/13	DW	Drinking Water	DENVER
D42816-2B	01/22/13	14:00 DJ	01/24/13	DW	Drinking Water	DENVER

## Summary of Hits

Job Number: D42816  
 Account: Corral Ranches Development Company  
 Project: Land Resource  
 Collected: 01/22/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D42816-1	ARAPAHOE					
Manganese		0.0051	0.0020		mg/l	EPA 200.8
Sodium		123	5.0		mg/l	EPA 200.8
Zinc		0.53	0.020		mg/l	EPA 200.8
Chloride		8.6	0.50		mg/l	EPA 300.0
Fluoride		1.7	0.10		mg/l	EPA 300.0
Sulfate		149	5.0		mg/l	EPA 300.0
D42816-1B	ARAPAHOE					
Calcium		5.9	0.40		mg/l	EPA 200.7
Alkalinity, Total as CaCO3		105	5.0		mg/l	SM 2320B-2011
Corrosivity, Langlier Index		0.2				SM16 203
Hardness, Calcium <sup>a</sup>		14.7	1.0		mg/l	SM 2340B-2011
Solids, Total Dissolved		356	10		mg/l	SM 2540C-2011
pH <sup>b</sup>		8.90			su	EPA 150.1
Temperature (Field)		20			Deg. C	EPA 170.1
D42816-2	DENVER					
Selenium		0.012	0.00080		mg/l	EPA 200.8
Sodium		86.9	5.0		mg/l	EPA 200.8
Chloride		4.8	0.50		mg/l	EPA 300.0
Fluoride		0.32	0.10		mg/l	EPA 300.0
Nitrogen, Nitrate		0.68	0.010		mg/l	EPA 300.0
Sulfate		302	10		mg/l	EPA 300.0
D42816-2B	DENVER					
Calcium		139	0.40		mg/l	EPA 200.7
Alkalinity, Total as CaCO3		177	5.0		mg/l	SM 2320B-2011
Corrosivity, Langlier Index		0.1				SM16 203
Hardness, Calcium <sup>a</sup>		347	1.0		mg/l	SM 2340B-2011
Solids, Total Dissolved		656	10		mg/l	SM 2540C-2011
pH <sup>b</sup>		7.20			su	EPA 150.1
Temperature (Field)		20			Deg. C	EPA 170.1

(a) Calculated as: (Calcium \* 2.497) to convert to Calcium Carbonate  
 (b) Received out of hold.

**Sample Results**

---

**Report of Analysis**

---

# Report of Analysis

<b>Client Sample ID:</b> ARAPAHOE	
<b>Lab Sample ID:</b> D42816-1	<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water	<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 524.2	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V02016.D	1	01/24/13	JL	n/a	n/a	V8V107
Run #2							

Run #	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.50	ug/l	
75-25-2	Bromoform	ND		0.50	0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.50	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	0.50	ug/l	
67-66-3	Chloroform	ND		0.50	0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.50	ug/l	

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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

Client Sample ID: ARAPAHOE	Date Sampled: 01/22/13
Lab Sample ID: D42816-1	Date Received: 01/24/13
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 524.2	
Project: Land Resource	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
542-75-6	1,3-Dichloropropene	ND		0.50	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.50	ug/l	
91-20-3	Naphthalene	ND		0.50	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.50	ug/l	
100-42-5	Styrene	ND	100	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.50	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		0.50	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.50	ug/l	
	m,p-Xylene	ND		0.50	0.50	ug/l	
95-47-6	o-Xylene	ND		0.50	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.50	ug/l	
	Total Trihalomethane	ND	80	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		70-130%
2199-69-1	1,2-Dichlorobenzene-d4	100%		70-130%

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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

3.1  
3

<b>Client Sample ID:</b> ARAPAHOE <b>Lab Sample ID:</b> D42816-1 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 548.1 EPA 548.1 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G109735.D	1	01/28/13	SM	01/28/13	OP7278	E2G695
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
145-73-3	Endothall	ND	100	5.0	3.2	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> ARAPAHOE		
<b>Lab Sample ID:</b> D42816-1		<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water		<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 525.2 EPA 525.2		<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G111732.D	1	02/01/13	DC	01/31/13	OP7300	E1G920
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

EPA 525.2

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
15972-60-8	Alachlor	ND	2.0	0.19	0.19	ug/l	
1912-24-9	Atrazine	ND	3.0	0.096	0.096	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.019	0.019	ug/l	
23184-66-9	Butachlor	ND		0.24	0.24	ug/l	
103-23-1	bis(2-Ethylhexyl)adipate	ND	400	0.57	0.57	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	0.57	0.57	ug/l	
51218-45-2	Metolachlor	ND		0.24	0.24	ug/l	
21087-64-9	Metribuzin	ND		0.24	0.24	ug/l	
1918-16-7	Propachlor	ND		0.24	0.24	ug/l	
122-34-9	Simazine	ND	4.0	0.067	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
81-20-9	1,3-Dimethyl-2-Nitrobenzene	101%		70-130%
	Perylene-d12	100%		70-130%
	Pyrene-d10	104%		70-130%
115-86-6	Triphenyl phosphate	105%		70-130%

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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

3.1  
3

<b>Client Sample ID:</b> ARAPAHOE <b>Lab Sample ID:</b> D42816-1 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 504.1 EPA 504.1 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EG13909.D	1	01/24/13	JY	01/24/13	OP7271	GEG446
Run #2							

Run #	Initial Volume	Final Volume
Run #1	35.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	0.020	0.0099	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.0099	0.0069	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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

Client Sample ID: ARAPAHOE	Date Sampled: 01/22/13
Lab Sample ID: D42816-1	Date Received: 01/24/13
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 508 EPA 508	
Project: Land Resource	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE098622.D	1	01/31/13	TR	01/28/13	OP7280	GEE587
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	5.0 ml
Run #2		

## Primary Drinking Water Pesticide/PCB List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
309-00-2	Aldrin	ND		0.0096	0.0072	ug/l	
5103-71-9	alpha-Chlordane	ND		0.0096	0.0048	ug/l	
5103-74-2	gamma-Chlordane	ND		0.0096	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.20	0.0096	0.0062	ug/l	
12789-03-6	Chlordane	ND	2.0	0.19	0.18	ug/l	
60-57-1	Dieldrin	ND		0.0096	0.0072	ug/l	
72-20-8	Endrin	ND	2.0	0.0096	0.0053	ug/l	
76-44-8	Heptachlor	ND	0.40	0.0096	0.0091	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.20	0.0096	0.0062	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.0096	0.0053	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	0.096	0.048	ug/l	
72-43-5	Methoxychlor	ND	40	0.048	0.0091	ug/l	
8001-35-2	Toxaphene	ND	3.0	0.72	0.52	ug/l	
12674-11-2	Aroclor 1016	ND	0.50	0.077	0.048	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.12	0.11	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.14	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.19	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.096	0.096	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.10	0.10	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.096	0.057	ug/l	
1336-36-3	Total PCBs	ND	0.50	0.096	0.096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		70-130%
877-09-8	Tetrachloro-m-xylene	72%		70-130%
2051-24-3	Decachlorobiphenyl	66% <sup>a</sup>		70-130%
2051-24-3	Decachlorobiphenyl	65% <sup>a</sup>		70-130%

(a) Outside control limits but within method criteria.

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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> ARAPAHOE <b>Lab Sample ID:</b> D42816-1 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 531.1 EPA 531.1 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HB007305.D	1	02/01/13	GH	01/31/13	OP7314	GHB298
Run #2							

Run #	Initial Volume	Final Volume
Run #1	10.0 ml	10.0 ml
Run #2		

**Carbamate Pesticide**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
116-06-3	Aldicarb	ND		0.500	0.260	ug/l	
1646-88-4	Aldicarb Sulfone	ND		0.500	0.250	ug/l	
1646-87-3	Aldicarb Sulfoxide	ND		0.500	0.250	ug/l	
63-25-2	Carbaryl	ND		0.500	0.250	ug/l	
1563-66-2	Carbofuran	ND	40	0.500	0.250	ug/l	
16655-82-6	3-Hydroxycarbofuran	ND		0.500	0.250	ug/l	
2032-65-7	Methiocarb	ND		0.500	0.260	ug/l	
16752-77-5	Methomyl	ND		0.500	0.250	ug/l	
23135-22-0	Oxamyl	ND	200	0.500	0.250	ug/l	
114-26-1	Propoxur	ND		0.500	0.250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
672-99-1	BDMC	114%		70-130%

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> ARAPAHOE		
<b>Lab Sample ID:</b> D42816-1		<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water		<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 547 EPA 547		<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HB007267.D	1	01/24/13	GH	01/24/13	OP7270	GHB296
Run #2							

Run #	Initial Volume	Final Volume
Run #1	10.0 ml	10.0 ml
Run #2		

### Glyphosate

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
1071-83-6	Glyphosate	ND	700	5.00	2.50	ug/l	

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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

3.1  
3

<b>Client Sample ID:</b> ARAPAHOE <b>Lab Sample ID:</b> D42816-1 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 549.2 EPA 549.2 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	HA007333.D	1	01/30/13	GH	01/30/13	OP7298	GHA234
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
85-00-7	Diquat	ND	20	0.400	0.250	ug/l	

(a) Due to laboratory error, sample extracted beyond holdtime. Client notified.

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> ARAPAHOE	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-1	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

**Total Metals Analysis**

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 0.10		0.10	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Antimony	< 0.00080	0.0060	0.00080	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Arsenic	< 0.0016	0.010	0.0016	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Barium	< 0.0040	2.0	0.0040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Beryllium	< 0.00040	0.0040	0.00040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Cadmium	< 0.00020	0.0050	0.00020	mg/l	2	01/29/13	02/01/13 JM	EPA 200.8 <sup>3</sup>	EPA 200.8 <sup>6</sup>
Chromium	< 0.0040	0.10	0.0040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Iron	< 0.080		0.080	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Manganese	0.0051		0.0020	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Mercury	< 0.0010	0.0020	0.0010	mg/l	1	01/28/13	01/28/13 JB	EPA 245.1 <sup>1</sup>	EPA 245.1 <sup>5</sup>
Nickel	< 0.0040		0.0040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Selenium	< 0.00080	0.050	0.00080	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Silver	< 0.00020	0.10	0.00020	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Sodium	123		5.0	mg/l	10	01/29/13	02/01/13 JM	EPA 200.8 <sup>3</sup>	EPA 200.8 <sup>6</sup>
Thallium	< 0.00040	0.0020	0.00040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Zinc	0.53	5.0	0.020	mg/l	2	02/06/13	02/07/13 JM	EPA 200.8 <sup>4</sup>	EPA 200.8 <sup>7</sup>

- (1) Instrument QC Batch: MA3220
- (2) Instrument QC Batch: MA3232
- (3) Instrument QC Batch: MA3236
- (4) Instrument QC Batch: MA3249
- (5) Prep QC Batch: MP9323
- (6) Prep QC Batch: MP9328
- (7) Prep QC Batch: MP9378

RL = Reporting Limit  
MCL = Maximum Contamination Level (40 CFR 141)

# Report of Analysis

<b>Client Sample ID:</b> ARAPAHOE	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-1	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

## General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Chloride	8.6		mg/l	1	01/24/13 11:43	JML	EPA 300.0
Cyanide, Total	< 0.0050	0.20	mg/l	1	01/30/13	JK	SM 4500CN E-2011
Fluoride	1.7	4.0	mg/l	1	01/24/13 11:43	JML	EPA 300.0
Nitrogen, Nitrate	< 0.010	10	mg/l	1	01/24/13 11:43	JML	EPA 300.0
Nitrogen, Nitrite	< 0.0040	1.0	mg/l	1	01/24/13 11:43	JML	EPA 300.0
Sulfate	149		mg/l	10	01/24/13 12:27	JML	EPA 300.0

MCL = Maximum Contamination Level (40 CFR 141)



## Report of Analysis

<b>Client Sample ID:</b> ARAPAHOE	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-1B	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

### Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	5.9		0.40	mg/l	1	01/31/13	02/01/13 JB	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>2</sup>

(1) Instrument QC Batch: MA3234

(2) Prep QC Batch: MP9340

---

RL = Reporting Limit  
MCL = Maximum Contamination Level (40 CFR 141)

## Report of Analysis

<b>Client Sample ID:</b> ARAPAHOE	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-1B	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

### General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	105		mg/l	1	01/29/13	JK	SM 2320B-2011
Corrosivity, Langlier Index	0.2			1	02/04/13	SUB	SM16 203
Hardness, Calcium <sup>a</sup>	14.7		mg/l	1	02/01/13 14:08	JB	SM 2340B-2011
Solids, Total Dissolved	356		mg/l	1	01/28/13	CT	SM 2540C-2011
pH <sup>b</sup>	8.90		su	1	01/24/13 11:45	JD	EPA 150.1

### Field Parameters

Temperature (Field)	20		Deg. C	1	02/04/13	SUB	EPA 170.1
---------------------	----	--	--------	---	----------	-----	-----------

(a) Calculated as: (Calcium \* 2.497) to convert to Calcium Carbonate

(b) Received out of hold.

MCL = Maximum Contamination Level (40 CFR 141)

# Report of Analysis

<b>Client Sample ID:</b> DENVER		<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-2		<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 524.2		
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V02017.D	1	01/24/13	JL	n/a	n/a	V8V107
Run #2							

Run #	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.50	ug/l	
75-25-2	Bromoform	ND		0.50	0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.50	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	0.50	ug/l	
67-66-3	Chloroform	ND		0.50	0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.50	ug/l	

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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

Client Sample ID:	DENVER	Date Sampled:	01/22/13
Lab Sample ID:	D42816-2	Date Received:	01/24/13
Matrix:	DW - Drinking Water	Percent Solids:	n/a
Method:	EPA 524.2		
Project:	Land Resource		

## VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
542-75-6	1,3-Dichloropropene	ND		0.50	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.50	ug/l	
91-20-3	Naphthalene	ND		0.50	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.50	ug/l	
100-42-5	Styrene	ND	100	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.50	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		0.50	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.50	ug/l	
	m,p-Xylene	ND		0.50	0.50	ug/l	
95-47-6	o-Xylene	ND		0.50	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.50	ug/l	
	Total Trihalomethane	ND	80	0.50	0.50	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
460-00-4	4-Bromofluorobenzene	108%		70-130%			
2199-69-1	1,2-Dichlorobenzene-d4	101%		70-130%			

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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> DENVER <b>Lab Sample ID:</b> D42816-2 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 548.1 EPA 548.1 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G109736.D	1	01/28/13	SM	01/28/13	OP7278	E2G695
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
145-73-3	Endothall	ND	100	5.0	3.2	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> DENVER		
<b>Lab Sample ID:</b> D42816-2		<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water		<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 525.2 EPA 525.2		<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G111733.D	1	02/01/13	DC	01/31/13	OP7300	E1G920
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

EPA 525.2

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
15972-60-8	Alachlor	ND	2.0	0.19	0.19	ug/l	
1912-24-9	Atrazine	ND	3.0	0.096	0.096	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.019	0.019	ug/l	
23184-66-9	Butachlor	ND		0.24	0.24	ug/l	
103-23-1	bis(2-Ethylhexyl)adipate	ND	400	0.57	0.57	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	0.57	0.57	ug/l	
51218-45-2	Metolachlor	ND		0.24	0.24	ug/l	
21087-64-9	Metribuzin	ND		0.24	0.24	ug/l	
1918-16-7	Propachlor	ND		0.24	0.24	ug/l	
122-34-9	Simazine	ND	4.0	0.067	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
81-20-9	1,3-Dimethyl-2-Nitrobenzene	105%		70-130%
	Perylene-d12	99%		70-130%
	Pyrene-d10	99%		70-130%
115-86-6	Triphenyl phosphate	103%		70-130%

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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> DENVER <b>Lab Sample ID:</b> D42816-2 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 504.1 EPA 504.1 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EG13910.D	1	01/24/13	JY	01/24/13	OP7271	GEG446
Run #2							

Run #	Initial Volume	Final Volume
Run #1	34.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	0.020	0.010	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.010	0.0071	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> DENVER		<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-2		<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 515.4 EPA 515.4		
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF17037.D	1	02/05/13	SM	02/04/13	OP7321	GEF654
Run #2							

Run #	Initial Volume	Final Volume
Run #1	40.0 ml	4.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	70	0.10	0.10	ug/l	
93-72-1	2,4,5-TP	ND	50	0.20	0.20	ug/l	
75-99-0	Dalapon	ND	200	1.0	1.0	ug/l	
1918-00-9	Dicamba	ND		0.30	0.30	ug/l	
88-85-7	Dinoseb	ND	7.0	0.20	0.20	ug/l	
87-86-5	Pentachlorophenol	ND	1.0	0.040	0.040	ug/l	
1918-02-1	Picloram	ND	500	0.10	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	98%		70-130%
19719-28-9	2,4-DCAA	96%		70-130%

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> DENVER		
<b>Lab Sample ID:</b> D42816-2		<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water		<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 508 EPA 508		<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE098623.D	1	01/31/13	TR	01/28/13	OP7280	GEE587
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	5.0 ml
Run #2		

### Primary Drinking Water Pesticide/PCB List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
309-00-2	Aldrin	ND		0.0095	0.0071	ug/l	
5103-71-9	alpha-Chlordane	ND		0.0095	0.0047	ug/l	
5103-74-2	gamma-Chlordane	ND		0.0095	0.0052	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.20	0.0095	0.0062	ug/l	
12789-03-6	Chlordane	ND	2.0	0.19	0.18	ug/l	
60-57-1	Dieldrin	ND		0.0095	0.0071	ug/l	
72-20-8	Endrin	ND	2.0	0.0095	0.0052	ug/l	
76-44-8	Heptachlor	ND	0.40	0.0095	0.0090	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.20	0.0095	0.0062	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.0095	0.0052	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	0.095	0.047	ug/l	
72-43-5	Methoxychlor	ND	40	0.047	0.0090	ug/l	
8001-35-2	Toxaphene	ND	3.0	0.71	0.51	ug/l	
12674-11-2	Aroclor 1016	ND	0.50	0.076	0.047	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.12	0.11	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.14	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.19	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.095	0.095	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.10	0.10	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.095	0.057	ug/l	
1336-36-3	Total PCBs	ND	0.50	0.095	0.095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		70-130%
877-09-8	Tetrachloro-m-xylene	70%		70-130%
2051-24-3	Decachlorobiphenyl	55% <sup>a</sup>		70-130%
2051-24-3	Decachlorobiphenyl	54% <sup>a</sup>		70-130%

(a) Outside control limits but within method criteria.

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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> DENVER		
<b>Lab Sample ID:</b> D42816-2		<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water		<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 531.1 EPA 531.1		<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HB007306.D	1	02/01/13	GH	01/31/13	OP7314	GHB298
Run #2							

Run #	Initial Volume	Final Volume
Run #1	10.0 ml	10.0 ml
Run #2		

### Carbamate Pesticide

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
116-06-3	Aldicarb	ND		0.500	0.260	ug/l	
1646-88-4	Aldicarb Sulfone	ND		0.500	0.250	ug/l	
1646-87-3	Aldicarb Sulfoxide	ND		0.500	0.250	ug/l	
63-25-2	Carbaryl	ND		0.500	0.250	ug/l	
1563-66-2	Carbofuran	ND	40	0.500	0.250	ug/l	
16655-82-6	3-Hydroxycarbofuran	ND		0.500	0.250	ug/l	
2032-65-7	Methiocarb	ND		0.500	0.260	ug/l	
16752-77-5	Methomyl	ND		0.500	0.250	ug/l	
23135-22-0	Oxamyl	ND	200	0.500	0.250	ug/l	
114-26-1	Propoxur	ND		0.500	0.250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
672-99-1	BDMC	114%		70-130%

ND = Not detected      MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 141)  
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> DENVER		
<b>Lab Sample ID:</b> D42816-2		<b>Date Sampled:</b> 01/22/13
<b>Matrix:</b> DW - Drinking Water		<b>Date Received:</b> 01/24/13
<b>Method:</b> EPA 547 EPA 547		<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HB007269.D	1	01/24/13	GH	01/24/13	OP7270	GHB296
Run #2							

Run #	Initial Volume	Final Volume
Run #1	10.0 ml	10.0 ml
Run #2		

### Glyphosate

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
1071-83-6	Glyphosate	ND	700	5.00	2.50	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> DENVER <b>Lab Sample ID:</b> D42816-2 <b>Matrix:</b> DW - Drinking Water <b>Method:</b> EPA 549.2 EPA 549.2 <b>Project:</b> Land Resource	<b>Date Sampled:</b> 01/22/13 <b>Date Received:</b> 01/24/13 <b>Percent Solids:</b> n/a
--	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	HA007334.D	1	01/30/13	GH	01/30/13	OP7298	GHA234
Run #2							

Run #	Initial Volume	Final Volume
Run #1	250 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
85-00-7	Diquat	ND	20	0.400	0.250	ug/l	

(a) Due to laboratory error, sample extracted beyond holdtime. Client notified.

ND = Not detected      MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 141)  
 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> DENVER	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-2	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

**Total Metals Analysis**

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 0.10		0.10	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Antimony	< 0.00080	0.0060	0.00080	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Arsenic	< 0.0016	0.010	0.0016	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Barium	< 0.0040	2.0	0.0040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Beryllium	< 0.00040	0.0040	0.00040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Cadmium	< 0.00020	0.0050	0.00020	mg/l	2	01/29/13	02/01/13 JM	EPA 200.8 <sup>3</sup>	EPA 200.8 <sup>6</sup>
Chromium	< 0.0040	0.10	0.0040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Iron	< 0.080		0.080	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Manganese	< 0.0020		0.0020	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Mercury	< 0.0010	0.0020	0.0010	mg/l	1	01/28/13	01/28/13 JB	EPA 245.1 <sup>1</sup>	EPA 245.1 <sup>5</sup>
Nickel	< 0.0040		0.0040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Selenium	0.012	0.050	0.00080	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Silver	< 0.00020	0.10	0.00020	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Sodium	86.9		5.0	mg/l	10	01/29/13	02/01/13 JM	EPA 200.8 <sup>3</sup>	EPA 200.8 <sup>6</sup>
Thallium	< 0.00040	0.0020	0.00040	mg/l	2	01/29/13	01/31/13 JB	EPA 200.8 <sup>2</sup>	EPA 200.8 <sup>6</sup>
Zinc	< 0.020	5.0	0.020	mg/l	2	02/06/13	02/07/13 JM	EPA 200.8 <sup>4</sup>	EPA 200.8 <sup>7</sup>

- (1) Instrument QC Batch: MA3220
- (2) Instrument QC Batch: MA3232
- (3) Instrument QC Batch: MA3236
- (4) Instrument QC Batch: MA3249
- (5) Prep QC Batch: MP9323
- (6) Prep QC Batch: MP9328
- (7) Prep QC Batch: MP9378

RL = Reporting Limit  
MCL = Maximum Contamination Level (40 CFR 141)

## Report of Analysis

<b>Client Sample ID:</b> DENVER	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-2	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

### General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Chloride	4.8		mg/l	1	01/24/13 11:24	JML	EPA 300.0
Cyanide, Total	< 0.0050	0.20	mg/l	1	01/30/13	JK	SM 4500CN E-2011
Fluoride	0.32	4.0	mg/l	1	01/24/13 11:24	JML	EPA 300.0
Nitrogen, Nitrate	0.68	10	mg/l	1	01/24/13 11:24	JML	EPA 300.0
Nitrogen, Nitrite	< 0.0040	1.0	mg/l	1	01/24/13 11:24	JML	EPA 300.0
Sulfate	302		mg/l	20	01/24/13 12:42	JML	EPA 300.0

MCL = Maximum Contamination Level (40 CFR 141)

## Report of Analysis

<b>Client Sample ID:</b> DENVER	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-2B	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

### Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	139		0.40	mg/l	1	01/31/13	02/01/13 JB	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>2</sup>

(1) Instrument QC Batch: MA3234

(2) Prep QC Batch: MP9340

---

RL = Reporting Limit  
MCL = Maximum Contamination Level (40 CFR 141)

## Report of Analysis

<b>Client Sample ID:</b> DENVER	<b>Date Sampled:</b> 01/22/13
<b>Lab Sample ID:</b> D42816-2B	<b>Date Received:</b> 01/24/13
<b>Matrix:</b> DW - Drinking Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Land Resource	

### General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	177		mg/l	1	01/29/13	JK	SM 2320B-2011
Corrosivity, Langlier Index	0.1			1	02/04/13	SUB	SM16 203
Hardness, Calcium <sup>a</sup>	347		mg/l	1	02/01/13 14:15	JB	SM 2340B-2011
Solids, Total Dissolved	656		mg/l	1	01/28/13	CT	SM 2540C-2011
pH <sup>b</sup>	7.20		su	1	01/24/13 11:45	JD	EPA 150.1

### Field Parameters

Temperature (Field)	20		Deg. C	1	02/04/13	SUB	EPA 170.1
---------------------	----	--	--------	---	----------	-----	-----------

(a) Calculated as: (Calcium \* 2.497) to convert to Calcium Carbonate

(b) Received out of hold.

MCL = Maximum Contamination Level (40 CFR 141)



## Misc. Forms

---

### Custody Documents and Other Forms

---

**Includes the following where applicable:**

- Chain of Custody



**Accutest Job Number:** D42816

**Client:** Land Resource Assoc.

**Immediate Client Services Action Required:** Yes

**Date / Time Received:** 1/24/2013 11:10:00 AM

**Delivery Method:**

**Project:**

**No. Coolers:**

**Airbill #'s:** FedEx

**Cooler Security**

Y or N

Y or N

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 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"/> |

**Cooler Temperature**

Y or N

- |                              |                                     |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: |                                     | Infrared gun             |
| 3. Cooler media:             |                                     | Ice (bag)                |

**Quality Control Preservation**

Y

N

N/A

- |                                 |                                     |                          |                                     |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 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"/> |

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 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"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample rec'd 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                   |

**Sample Integrity - Instructions**

Y

N

N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 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**

No project name. Coliforms will be technically out of hold.

4.1  
4

**Accutest Job Number:** D42816

**CSR:** Renea Jackson

**Response Date** 1/25/2013

**Response:** Please analyze coliforms out of hold. Please include Na in the list of metals. Thank you.

4.1

4