



09/25/12

Technical Report for

Eagle Forest Development

Peak Side El Paso County Land Development

Accutest Job Number: D38547

Sampling Date: 09/10/12

Report to:


Eagle Forest Development
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Colorado Springs, CO 80920
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Total number of pages in report: 22



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

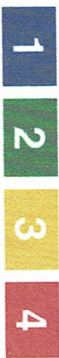
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Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

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Test results relate only to samples analyzed.

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Sample Summary

Eagle Forest Development

Job No: D38547

Peak Side El Paso County Land Development

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D38547-1	09/10/12	13:00 TK	09/10/12	DW	Drinking Water	7360
D38547-1A	09/10/12	13:00 TK	09/10/12	DW	Drinking Water	7360

Summary of Hits



Job Number: D38547
Account: Eagle Forest Development
Project: Peak Side El Paso County Land Development
Collected: 09/10/12

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D38547-1	7360					
Barium		0.076	0.0040		mg/l	EPA 200.8
Iron		0.012	0.010		mg/l	EPA 200.7
Selenium		0.0014	0.00080		mg/l	EPA 200.8
Chloride		5.2	0.50		mg/l	EPA 300
Nitrogen, Nitrate		0.94	0.010		mg/l	EPA 300
Sulfate		7.5	0.50		mg/l	EPA 300
D38547-1A	7360					
Calcium		15.6	0.40		mg/l	EPA 200.7
Alkalinity, Total as CaCO ₃		42.0	5.0		mg/l	SM20 2320B
Hardness, Calcium ^a		39.0	1.0		mg/l	SM20 2340B
Solids, Total Dissolved		118	10		mg/l	SM20 2540C
pH		6.58			su	EPA 150.1
Temperature (Field)		20			Deg. C	EPA 170.1

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



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 7360		
Lab Sample ID: D38547-1		Date Sampled: 09/10/12
Matrix: DW - Drinking Water		Date Received: 09/10/12
Method: EPA 524.2		Percent Solids: n/a
Project: Peak Side El Paso County Land Development		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V14574.D	1	09/13/12	JL	n/a	n/a	V4V800
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: 7360	
Lab Sample ID: D38547-1	Date Sampled: 09/10/12
Matrix: DW - Drinking Water	Date Received: 09/10/12
Method: EPA 524.2	Percent Solids: n/a
Project: Peak Side El Paso County Land Development	

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	95%		70-130%
2199-69-1	1,2-Dichlorobenzene-d4	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

3.1
3

Client Sample ID: 7360		Date Sampled: 09/10/12
Lab Sample ID: D38547-1		Date Received: 09/10/12
Matrix: DW - Drinking Water		Percent Solids: n/a
Method: EPA 548.1 EPA 548.1		
Project: Peak Side El Paso County Land Development		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G109319.D	1	09/18/12	DC	09/14/12	OP6629	E2G664
Run #2							

	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

Client Sample ID: 7360		
Lab Sample ID: D38547-1		Date Sampled: 09/10/12
Matrix: DW - Drinking Water		Date Received: 09/10/12
Method: EPA 525.2 EPA 525.2		Percent Solids: n/a
Project: Peak Side El Paso County Land Development		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G109624.D	1	09/14/12	SM	09/12/12	OP6617	E1G797
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1030 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	0.097	0.097	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	0.58	0.58	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	6.0	0.58	0.58	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	0.068	0.068	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
81-20-9	1,3-Dimethyl-2-Nitrobenzene	104%		70-130%
	Perylene-d12	118%		70-130%
	Pyrene-d10	102%		70-130%
115-86-6	Triphenyl phosphate	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

3.1
3

Client Sample ID: 7360	Date Sampled: 09/10/12
Lab Sample ID: D38547-1	Date Received: 09/10/12
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 504.1 EPA 504.1	
Project: Peak Side El Paso County Land Development	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EH07017.D	1	09/20/12	JR	09/19/12	OP6665	GEH274
Run #2							

Run #	Initial Volume	Final Volume
Run #1	34.3 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

3.1
3

Client Sample ID: 7360	
Lab Sample ID: D38547-1	Date Sampled: 09/10/12
Matrix: DW - Drinking Water	Date Received: 09/10/12
Method: EPA 515.4 EPA 515.4	Percent Solids: n/a
Project: Peak Side El Paso County Land Development	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF16185.D	1	09/21/12	SM	09/20/12	OP6670	GEF613
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	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

3.1
3

Client Sample ID: 7360		
Lab Sample ID: D38547-1		Date Sampled: 09/10/12
Matrix: DW - Drinking Water		Date Received: 09/10/12
Method: EPA 508 EPA 508		Percent Solids: n/a
Project: Peak Side El Paso County Land Development		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EH06897.D	1	09/14/12	TR	09/13/12	OP6627	GEH269
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1040 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	0.058	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	76%		70-130%
877-09-8	Tetrachloro-m-xylene	82%		70-130%
2051-24-3	Decachlorobiphenyl	110%		70-130%
2051-24-3	Decachlorobiphenyl	134% ^a		70-130%

(a) Outside of control limits. Since the bias is high and the sample is ND, no further action is required.

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

Client Sample ID: 7360	Date Sampled: 09/10/12
Lab Sample ID: D38547-1	Date Received: 09/10/12
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 531.1 EPA 531.1	
Project: Peak Side El Paso County Land Development	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HB006726.D	1	09/13/12	GH	09/12/12	OP6611	GHB269
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	0.320	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	0.250	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	110%		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

Client Sample ID: 7360	Date Sampled: 09/10/12
Lab Sample ID: D38547-1	Date Received: 09/10/12
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 547 EPA 547	
Project: Peak Side El Paso County Land Development	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HB006744.D	1	09/20/12	GH	09/20/12	OP6678	GHB270
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

Client Sample ID: 7360	
Lab Sample ID: D38547-1	Date Sampled: 09/10/12
Matrix: DW - Drinking Water	Date Received: 09/10/12
Method: EPA 549.2 EPA 549.2	Percent Solids: n/a
Project: Peak Side El Paso County Land Development	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HA006705.D	1	09/11/12	NS	09/11/12	OP6601	GHA208
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	

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: 7360		
Lab Sample ID: D38547-1		Date Sampled: 09/10/12
Matrix: DW - Drinking Water		Date Received: 09/10/12
		Percent Solids: n/a
Project: Peak Side El Paso County Land Development		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	<0.10		0.10	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Antimony	<0.00080	0.0060	0.00080	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Arsenic	<0.0016	0.010	0.0016	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Barium	0.076	2.0	0.0040	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Beryllium	<0.00040	0.0040	0.00040	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Cadmium	<0.00020	0.0050	0.00020	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Chromium	<0.0040	0.10	0.0040	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Iron	0.012		0.010	mg/l	1	09/14/12	09/17/12 JM	EPA 200.7 ³	EPA 200.7 ⁵
Manganese	<0.0050		0.0050	mg/l	1	09/14/12	09/17/12 JM	EPA 200.7 ³	EPA 200.7 ⁵
Mercury	<0.0010	0.0020	0.0010	mg/l	1	09/17/12	09/17/12 JB	EPA 245.1 ²	EPA 245.1 ⁶
Selenium	0.0014	0.050	0.00080	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Silver	<0.00020	0.10	0.00020	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Thallium	<0.00040	0.0020	0.00040	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴
Zinc	<0.020	5.0	0.020	mg/l	2	09/13/12	09/16/12 JM	EPA 200.8 ¹	EPA 200.8 ⁴

- (1) Instrument QC Batch: MA2806
- (2) Instrument QC Batch: MA2809
- (3) Instrument QC Batch: MA2810
- (4) Prep QC Batch: MP8378
- (5) Prep QC Batch: MP8396
- (6) Prep QC Batch: MP8404

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

Report of Analysis

3.1
3

Client Sample ID: 7360		Date Sampled: 09/10/12
Lab Sample ID: D38547-1		Date Received: 09/10/12
Matrix: DW - Drinking Water		Percent Solids: n/a
Project: Peak Side El Paso County Land Development		

General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Chloride	5.2		mg/l	1	09/11/12 11:37	GH	EPA 300
Cyanide, Total	<0.0050	0.20	mg/l	1	09/19/12	JK	SM20 4500CN E
Fluoride	<0.10	4.0	mg/l	1	09/11/12 11:37	GH	EPA 300
Nitrogen, Nitrate	0.94	10	mg/l	1	09/11/12 11:37	GH	EPA 300
Nitrogen, Nitrite	<0.0040	1.0	mg/l	1	09/11/12 11:37	GH	EPA 300
Sulfate	7.5		mg/l	1	09/11/12 11:37	GH	EPA 300

MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

32
3

Client Sample ID: 7360	
Lab Sample ID: D38547-1A	Date Sampled: 09/10/12
Matrix: DW - Drinking Water	Date Received: 09/10/12
	Percent Solids: n/a
Project: Peak Side El Paso County Land Development	

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	15.6		0.40	mg/l	1	09/14/12	09/17/12 JM	EPA 200.7 ¹	EPA 200.7 ²

(1) Instrument QC Batch: MA2810

(2) Prep QC Batch: MP8396

RL = Reporting Limit

MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

32
3

Client Sample ID: 7360	Date Sampled: 09/10/12
Lab Sample ID: D38547-1A	Date Received: 09/10/12
Matrix: DW - Drinking Water	Percent Solids: n/a
Project: Peak Side El Paso County Land Development	

General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO ₃	42.0		mg/l	1	09/14/12	JK	SM20 2320B
Corrosivity, Langlier Index	-2			1	09/17/12 18:16	JM	SM16 203
Hardness, Calcium ^a	39.0		mg/l	1	09/17/12 18:16	JM	SM20 2340B
Solids, Total Dissolved	118		mg/l	1	09/13/12	CJ	SM20 2540C
pH	6.58		su	1	09/10/12 15:45	CJ	EPA 150.1

Field Parameters

Temperature (Field)	20		Deg. C	1	09/11/12	SUB	EPA 170.1
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(a) Calculated as: (Calcium * 2.497) to convert to Calcium Carbonate

MCL = Maximum Contamination Level (40 CFR 141)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

4036 Youngfield Street
Wheat Ridge, CO 80033-3862
303-425-6021; 877-737-4521
FAX: 303-425-6854
www.accutest.com

Client/Reporting Information
Company: Eagle Forest Development
Street: 1880 office club point #2000
City: Colorado Springs State: CO ZIP: 80920
Contact: Ty Klikus E-Mail: Ty@parks.de.pa
Phone: 719-650-7846 Fax: 866-305-3584
Sampler: Ty Klikus Phone: 719-650-7846

Billing Information (if different from reporting)
Company: Eagle Forest Development
Street: 1880 office club point #2000
City: Colorado Springs State: CO ZIP: 80920
Attention:
Client PO #:
Accutest Quote/Order #:

Accutest Job # D38547
Project Information
PWSID or Project#:
System Name:
System Address:
City: State: ZIP:
Contact Person:
Tel: Email:

Turn Around Time (Business days)

Std 10 business Days
 5 Day Rush
 3 Day Rush
 2 Day Rush
 1 Day Rush

State Form Information

State Forms Required Yes No
Compliance Samples Yes No
Mail Forms to State Yes No
Fax PDF EDD

Sample Location or ID	Date	Time	No. of Containers	PHASE I, II, V Drinking Water Analyses (check analysis)																	Subcontracted Analysis				Lab Use Only												
				THM 524.2	VOC 524.2	Haloacetic Acids 552.2	EDB/DBCP 504.1	Pesticides / PCBs 508	Herbicides 515.4	SOC 525.2 (3 analytes only)	OP Pesticides 525.2	Carbamates 531.1	Glyphosate 547	Endothal 548.1	Diquat 549.2	Nitrite-N	Nitrate-N	Fluoride	Alkalinity	Langelier Index	TOC	DOC	Cyanide	SUVA		UV254	11 Inorganic Metals *	Lead & Copper	Total Coliform (p/a)	Gross-A + Total Solid	Gross- A+B	Ra 226	Ra 228	Uranium			
7360	9-10-12	1:15pm	3						X																												
7360	9-10-12	1:15pm	3	X																																	
7360	9-10-12	1:15pm	2					X																													
7360	9-10-12	1:15pm	1					X																													
7360	9-10-12	1:15pm	1						X																												
7360	9-10-12	1:15pm	1							X																											
7360	9-10-12	1:15pm	1								X																										
7360	9-10-12	1:15pm	2			X																															
7360	9-10-12	1:15pm	1																																		

Instructions: XGAGBTS (2), CU (1), Lead (1), Metals (1), SO4, NO3, NO2, P, CHL (1)

* Inorganic Metals Include: Sb, As, Ba, Be, Cd, Cr, Hg, Ni, Se, Na, Ti

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1 <u>Ty Klikus</u>	Date/Time: <u>9-10-12 2:15pm</u>	Received By:	Date / Time	Relinquished By:	Date / Time
Received By: 2 <u> </u>	Date/Time	Relinquished By:	Date / Time	Received By:	Date / Time
Custody Seal <u>H0</u> Intact <input checked="" type="checkbox"/> Not Intact <input type="checkbox"/>	Preserved where applicable <input checked="" type="checkbox"/>	Cooler Temp: <u>2.2</u>	On Ice <input checked="" type="checkbox"/>	Lead/Seal: <u>9-10-12 16:45</u>	

4.1
4



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D38547 Client: EAGLE FOREST DEVELOPMENT Immediate Client Services Action Required: No
 Date / Time Received: 9/10/2012 4:00:00 PM No. Coolers: 1 Client Service Action Required at Login: No
 Project: PEAK SIDE EL PASO COUNTY LAND DEVEL Airbill #'s: HD

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. SmpI 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:	Infared 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 preserve d 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	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	N
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	

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

4.1
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Accutest Laboratories
V: (303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D38547: Chain of Custody
Page 2 of 2



Sample Summary

Eagle Forest Development

Job No: D38547X

Peak Side El Paso County Land Development

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D38547-1X	09/10/12	13:00 TK	09/10/12	DW	Drinking Water	7360



Summary of Hits

Job Number: D38547X
Account: Eagle Forest Development
Project: Peak Side El Paso County Land Development
Collected: 09/10/12



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

Sample Results

Report of Analysis

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

4036 Youngfield Street
Wheat Ridge, CO 80033-3862
303-425-6021; 877-737-4521
FAX: 303-425-6854
www.accutest.com

Client/Reporting Information
Company: East Forest Development
Street: 1880 office club point #200
City: Colorado Springs State: CO ZIP: 80920
Contact: Ty Khikus E-Mail: ty@eastforest.com
Phone: 719-650-7246 Fax: 719-650-8584
Sampler: Ty Khikus Phone: 719-650-7246

Billing Information (if different from reporting)
Company: East Forest Development
Street: 1880 office club point #200
City: Colorado Springs State: CO ZIP: 80920
Attention: _____
Client PO #: _____
Accutest Quote/Bottle Order #: _____

Accutest Job # D38547
Project Information
PWSID or Project#: _____
System Name: _____
System Address: _____
City: _____ State: _____ ZIP: _____
Contact Person: _____
Tel: _____ Email: _____

Turn Around Time (Business days)

Std 10 business Days
 5 Day Rush
 3 Day Rush
 2 Day Rush
 1 Day Rush

PHASE I, II, V Drinking Water Analyses (check analysis)

State Form Information

State Forms Required Yes No
Compliance Samples Yes No
Mail Forms to State Yes No
Fax PDF EDD

Sample Location or ID	Date	Time	No. of Containers	VOC 524.2	THM 524.2	Halocetic Acids 552.2	EDB/DBCP 504.1	Pesticides / PCBs 508	Herbicides 515.4	SOC 525.2 (3 analytes only)	OP Pesticides 525.2	Carbamates 531.1	Glyphosate 547	Endothal 548.1	Diquat 549.2	Nitrite-N	Nitrate-N	Fluoride	Alkalinity	Langlier Index	TOC	DOC	Cyanide	SUVA	UV254	11 Inorganic Metals *	Lead & Copper	Total Coliform (pfa)	Gross-A + Total Solid	Gross- A+B	Ra 226	Ra 228	Uranium	Lab Use Only		
7360	9-10-12	1:00pm	3	X						X																										
7360	9-10-12	1:00pm	3	X																																
7360	9-10-12	1:00pm	2					X																												
7360	9-10-12	1:00pm	1					X	X																											
7360	9-10-12	1:00pm	1								X																									
7360	9-10-12	1:15pm	1									X																								
7360	9-10-12	1:15pm	1											X																						
7360	9-10-12	1:15pm	2			X																														
7360	9-10-12	1:15pm	1																																	

Instructions: XGAGBTS (2), Cu (1), Lead (1), Metals (1), SO4, NO3, NO2, P, CHL (1)

* Inorganic Metals Include: Sb, As, Ba, Be, Cd, Cr, Hg, Ni, Se, Na, Ti

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: 1 <u>Ty Khikus</u>	Date/Time: <u>9-10-12 2:15pm</u>	Received By: 1 _____	Date / Time	Relinquished By: 2 _____	Date / Time
Received By: 2 _____	Date/Time	Relinquished By: 3 _____	Date / Time	Received By: 3 _____	Date / Time <u>9-10-12 16:00</u>

Custody Seal: H10 Intact Not Intact Preserved where applicable Cooler Temp: 2.2 On Ice Location: _____

4.1
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CHAIN OF CUSTODY

4036 Youngfield St., Wheat Ridge, CO 80033
303-425-6021 FAX: 303-425-6854

Accutest Job #:	D38547X
Accutest Quote #:	0
AMS P.O. #:	
Project No.:	

Client Information				Subcontract Laboratory Information							Analytical Information			
Name Accutest Mountain States (AMS)				Name Industrial Lab										
Address 4036 Youngfield St.				Address 4046 Youngfield St.										
City Wheat Ridge,	State CO	Zip 80033												
City Wheat Ridge,	State CO	Zip 80033												
Send Report to: Andrew Fluegel				Contact: Sample Management										
Any questions contact: Shea Greiner														
Phone/Fax #: (303) 425-6021; (303) 425-6854				Phone: (303) 287-9691										
		Collection			Preservation							coliform P/A		
Field ID / Point of Collection		Date	Time	Matrix	# of bottles	HCL	NuOH	HNO3	H2SO4	None				
D38547X -1		9/10/12	1:00 PM	DW	1									
Turnaround Information				Data Deliverable Information							Comments / Remarks			
<input checked="" type="checkbox"/> 10 Business Day Standard				<input type="checkbox"/> Commercial "A" <input type="checkbox"/> PDF							Please use Colorado regulations and RLs.			
<input type="checkbox"/> Other _____ (Days)				<input type="checkbox"/> Commercial "B" <input type="checkbox"/> Compact Disk Deliverable										
<input type="checkbox"/> 10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.				<input type="checkbox"/> Commercial "BN" <input type="checkbox"/> Electronic Delivery:										
				<input type="checkbox"/> Reduced Tier 1 <input type="checkbox"/> State Forms										
				<input type="checkbox"/> Full Tier 1 <input type="checkbox"/> Other (Specify) _____										
Sample Custody must be documented below each time samples change possession, including courier delivery.											For Subcontract Laboratory Use Only			
Relinquished by: 1	Date & Time:		Received By: 1	Date & Time:		Seal #:	Headspace: Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>							
Relinquished by: 2	Date & Time:		Received By: 2	Date & Time:		Preserved where applicable: <input type="checkbox"/>								
Relinquished by: 3	Date & Time:		Received By: 3	Date & Time:		Temperature °C _____ <input type="checkbox"/> On Ice								

4.1
4

D38547X: Chain of Custody

Page 2 of 5



Industrial LABORATORIES

Industrial Laboratories is your independent, third-party analytical testing laboratory.

To: Accutest Mountain States (AMS)
4036 Youngfield St.

Wheat Ridge CO 80033

Attn: Andrew Fluegel

TEST REPORT

ACCUTEST

Date Received: 9/11/2012

Date Reported: 9/12/2012

PO Number: D38547X

Note: Sample test procedures conform to EPA 40CFR141 requirements.

Lab No.	Sample Description	Test Method	Result Units	MDL	Analysis Date/By
120911016-01A	D38547X-1, 9/10/12, 1:00pm	* Total Coliform SM 9223	Present for total coliforms only		GH 9/11/201

* = Scope Analysis
 # = Subcontracted Analysis
 MDL = Method Detection Limit
 ND = Not Detected at the Method Detection Limit

Page: 1 of 1


 Department Manager

4036 Youngfield Street • Wheat Ridge, Colorado 80033 • (303) 287-5691 • (303) 287-5954 FAX • www.industrial-lab.com
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CHAIN OF CUSTODY

4036 Youngfield St., Wheat Ridge, CO 80033
303-425-6021 FAX: 303-425-6854

Accutest Job #:	D38547X
Accutest Quote #:	0
AMS P.O. #:	
Project No.:	

Client Information				Subcontract Laboratory Information								Analytical Information					
Name Accutest Mountain States (AMS)				3 Hazen (Radiological)								Gross alpha/beta + total solids					
Address 4036 Youngfield St.				Address 4601 Indiana Street													
City	State	Zip		City	State	Zip											
Wheat Ridge,	CO	80033		Golden	CO	80403											
Send Report to: Tiffany Pham Any questions contact: Shea Greiner				Contact: Sample Management													
Phone/Fax #: (303) 425-6021; (303) 425-6854				Phone: (303) 279-4501													
		Collection												Comments			
Field ID / Point of Collection	Date	Time		Matrix	# of bottles	HCL	NaOH	HNO3	H2SO4	None							
D38547X -1	9/10/12	1:00 PM		DW	2												
Turnaround Information				Data Deliverable Information								Comments / Remarks					
<input checked="" type="checkbox"/> 10 Business Day Standard				Approved By: _____				<input type="checkbox"/> Commercial "A" <input type="checkbox"/> PDF <input type="checkbox"/> Commercial "B" <input type="checkbox"/> Compact Disk Deliverable <input type="checkbox"/> Commercial "BN" <input type="checkbox"/> Electronic Delivery: <input type="checkbox"/> Reduced Tier 1 <input type="checkbox"/> State Forms <input type="checkbox"/> Full Tier 1 <input type="checkbox"/> Other (Specify)				Please use Colorado regulations and RLs.					
<input type="checkbox"/> Other _____ (Days)																	
10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.																	
Sample Custody must be documented below each time samples change possession, including courier delivery.										For Subcontract Laboratory Use Only							
Relinquished by:	Date & Time:	Received By:	Date & Time:	Received By:	Date & Time:	Seal #:	Headspace:			Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>							
1		1		1													
Relinquished by:	Date & Time:	Received By:	Date & Time:	Received By:	Date & Time:	Preserved where applicable:											
2		2		2		<input type="checkbox"/>											
Relinquished by:	Date & Time:	Received By:	Date & Time:	Received By:	Date & Time:	Temperature °C _____			On Ice <input type="checkbox"/>								
3		3		3													

4.1
4

Hazen Research, Inc.
 4671 Indiana Street
 Golden, CO 80403 USA
 Tel: (303) 279-4501
 Fax: (303) 279-1529

DATE: September 25, 2012
 HRI PROJECT: 009-93
 HRI SERIES NO: 1165/12
 DATE REC'D: 9/12/2012
 CUST. P.O.#: D38547X



Accutest Mountain States
 Andrew Fluegel
 4036 Youngfield
 Wheat Ridge, CO 80033

REPORT OF ANALYSIS

SAMPLE NO. 1165/12-1

SAMPLE IDENTIFICATION: D38547X-1 - Drinking water - Sampled on 09/10/2012 @ 1300

PARAMETER	RESULT	DETECTION LIMIT	METHOD	ANALYSIS DATE	ANALYST
Gross Alpha (+-Precision*), pCi/l (T)	2.8(+/-1.9)	1.1	SM 7110 B	9/19/2012 @ 0816	AN
Gross Beta (+-Precision*), pCi/l (T)	6.0(+/-2.4)	1.9	SM 7110 B	9/19/2012 @ 0816	AN
Total Solids, mg/l	160	10	EPA 180.3	9/14/2012	DP

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.
 Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10266; NYELAP 11417;
 PADEP 88-00551; RI LAO00284; TX T104704256-11-2; WI 898376610

Robert Rostad

By: Robert Rostad
 Laboratory Manager

Results reported herein relate only to discrete samples submitted by the client. Hazen Research, Inc. does not warrant that the results are representative of anything other than the samples that were received in the laboratory.

CODES: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Recoverable
 (PD) = Potentially Dissolved < = Less than