well

Green Analytical Laboratories

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www.greenanalytical.com

13 January 2014

Mike England
Town Of Rico
PO Box 9
Rico, CO 81332

RE: Comp. VOC/SOC, Rads, Inorg., Nitrates

Enclosed are the results of analyses for samples received by the laboratory on 12/17/13 11:35.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. Our NELAP accreditation can be viewed at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water

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Town Of Rico	Project:	Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number:	Rico Well #1	Reported:
Rico CO, 81332	Project Manager:	Mike England	01/13/14 10:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
004	1312127-01	Water	12/17/13 08:45	12/17/13 11:35
Trip Blanks	1312127-02	Water	12/17/13 00:00	12/17/13 11:35

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Debbie Zufelt, Reports Manager

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

004
CO0117700

1312127-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Fluoride*	<0.200	0.200	0.0194	mg/L	1	12/23/13	4500-F- C		ABP
Nitrate as N	**0.064**	0.020	0.010	mg/L	1	12/18/13	EPA353.2		KLJ
Nitrate/Nitrite as N*	**0.064**	0.020	0.010	mg/L	1	12/18/13	EPA353.2		KLJ
Nitrite as N*	<0.020	0.020	0.006	mg/L	1	12/18/13	EPA353.2		KLJ
Total Recoverable Metals by ICP (E200.7)									
Sodium*	**6.06**	1.00	0.004	mg/L	1	12/19/13	EPA200.7		JGS
Total Recoverable Metals by ICPMS (E200.8)									
Antimony*	<0.0005	0.0005	0.0002	mg/L	1	12/20/13	EPA200.8		JGS
Arsenic*	<0.0005	0.0005	0.0001	mg/L	1	12/20/13	EPA200.8		JGS
Barium*	**0.0575**	0.0005	0.00004	mg/L	1	12/20/13	EPA200.8		JGS
Beryllium*	<0.0005	0.0005	0.00004	mg/L	1	12/20/13	EPA200.8		JGS
Cadmium*	<0.0001	0.0001	0.000040	mg/L	1	12/20/13	EPA200.8		JGS
Chromium*	**0.0166**	0.0010	0.0001	mg/L	1	12/20/13	EPA200.8		JGS
Nickel*	**0.0025**	0.0005	0.00004	mg/L	1	12/20/13	EPA200.8		JGS
Selenium*	<0.0010	0.0010	0.0004	mg/L	1	12/20/13	EPA200.8		JGS
Thallium*	<0.0001	0.0001	0.00005	mg/L	1	12/20/13	EPA200.8		JGS
Total Mercury by CVAA									
Mercury*	<0.0002	0.0002	0.00002	mg/L	1	01/03/14	245.1		JGS

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

Subcontracted -- **Cardinal Laboratories**

004
CO0117700

1312127-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
1,1,1-Trichloroethane*	<0.500	0.500	0.242	ug/L	1	12/19/13	524.2		MS
1,1,2-Trichloroethane*	<0.500	0.500	0.176	ug/L	1	12/19/13	524.2		MS
1,1-Dichloroethene*	<0.500	0.500	0.232	ug/L	1	12/19/13	524.2		MS
1,2,4-Trichlorobenzene*	<0.500	0.500	0.208	ug/L	1	12/19/13	524.2		MS
1,2-Dichlorobenzene*	<0.500	0.500	0.250	ug/L	1	12/19/13	524.2		MS
1,2-Dichloroethane*	<0.500	0.500	0.225	ug/L	1	12/19/13	524.2		MS
1,2-Dichloropropane*	<0.500	0.500	0.235	ug/L	1	12/19/13	524.2		MS
1,4 Dichlorobenzene*	<0.500	0.500	0.307	ug/L	1	12/19/13	524.2		MS
Surrogate: 4-Bromofluorobenzene			*98.4 %*	*70-130*		*12/19/13*	*524.2*		MS
Benzene*	<0.500	0.500	0.200	ug/L	1	12/19/13	524.2		MS
Bromodichloromethane*	<0.500	0.500	0.210	ug/L	1	12/19/13	524.2		MS
Bromoform*	<0.500	0.500	0.225	ug/L	1	12/19/13	524.2		MS
Carbon tetrachloride*	<0.500	0.500	0.195	ug/L	1	12/19/13	524.2		MS
Chlorobenzene*	<0.500	0.500	0.164	ug/L	1	12/19/13	524.2		MS
Chloroform*	<0.500	0.500	0.205	ug/L	1	12/19/13	524.2		MS
cis-1,2-Dichloroethene*	<0.500	0.500	0.184	ug/L	1	12/19/13	524.2		MS
Dibromochloromethane*	<0.500	0.500	0.241	ug/L	1	12/19/13	524.2		MS
Surrogate: Dibromofluoromethane			*97.2 %*	*70-130*		*12/19/13*	*524.2*		MS
Ethylbenzene*	<0.500	0.500	0.163	ug/L	1	12/19/13	524.2		MS
Methylene chloride*	<0.500	0.500	0.364	ug/L	1	12/19/13	524.2		MS
m-p Xylenes	<1.00	1.00	0.344	ug/L	1	12/19/13	524.2		MS
o-Xylene	<0.500	0.500	0.140	ug/L	1	12/19/13	524.2		MS
Styrene*	<0.500	0.500	0.193	ug/L	1	12/19/13	524.2		MS
Tetrachloroethene*	<0.500	0.500	0.195	ug/L	1	12/19/13	524.2		MS
Toluene*	<0.500	0.500	0.205	ug/L	1	12/19/13	524.2		MS
Surrogate: Toluene-d8			*97.3 %*	*70-130*		*12/19/13*	*524.2*		MS
Total Xylenes*	<1.50	1.50	0.484	ug/L	1	12/19/13	524.2		MS

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Debbie Zufelt, Reports Manager

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Town Of Rico	Project:	Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number:	Rico Well #1	**Reported:**
Rico CO, 81332	Project Manager:	Mike England	01/13/14 10:56

Subcontracted – **Cardinal Laboratories**

004
CO0117700

1312127-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
trans-1,2-Dichloroethene*	<0.500	0.500	0.286	ug/L	1	12/19/13	524.2		MS
Trichloroethene*	<0.500	0.500	0.198	ug/L	1	12/19/13	524.2		MS
Vinyl chloride*	<0.500	0.500	0.189	ug/L	1	12/19/13	524.2		MS

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

Subcontracted -- **Cardinal Laboratories**

Trip Blanks

1312127-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
1,1,1-Trichloroethane*	<0.500	0.500	0.242	ug/L	1	12/19/13	524.2		MS
1,1,2-Trichloroethane*	<0.500	0.500	0.176	ug/L	1	12/19/13	524.2		MS
1,1-Dichloroethene*	<0.500	0.500	0.232	ug/L	1	12/19/13	524.2		MS
1,2,4-Trichlorobenzene*	<0.500	0.500	0.208	ug/L	1	12/19/13	524.2		MS
1,2-Dichlorobenzene*	<0.500	0.500	0.250	ug/L	1	12/19/13	524.2		MS
1,2-Dichloroethane*	<0.500	0.500	0.225	ug/L	1	12/19/13	524.2		MS
1,2-Dichloropropane*	<0.500	0.500	0.235	ug/L	1	12/19/13	524.2		MS
1,4 Dichlorobenzene*	**0.620**	0.500	0.307	ug/L	1	12/19/13	524.2		MS
Surrogate: 4-Bromofluorobenzene			*101 %*	*70-130*		*12/19/13*	*524.2*		MS
Benzene*	<0.500	0.500	0.200	ug/L	1	12/19/13	524.2		MS
Bromodichloromethane*	<0.500	0.500	0.210	ug/L	1	12/19/13	524.2		MS
Bromoform*	<0.500	0.500	0.225	ug/L	1	12/19/13	524.2		MS
Carbon tetrachloride*	**1.11**	0.500	0.195	ug/L	1	12/19/13	524.2		MS
Chlorobenzene*	<0.500	0.500	0.164	ug/L	1	12/19/13	524.2		MS
Chloroform*	<0.500	0.500	0.205	ug/L	1	12/19/13	524.2		MS
cis-1,2-Dichloroethene*	<0.500	0.500	0.184	ug/L	1	12/19/13	524.2		MS
Dibromochloromethane*	<0.500	0.500	0.241	ug/L	1	12/19/13	524.2		MS
Surrogate: Dibromofluoromethane			*102 %*	*70-130*		*12/19/13*	*524.2*		MS
Ethylbenzene*	<0.500	0.500	0.163	ug/L	1	12/19/13	524.2		MS
Methylene chloride*	<0.500	0.500	0.364	ug/L	1	12/19/13	524.2		MS
m-p Xylenes	<1.00	1.00	0.344	ug/L	1	12/19/13	524.2		MS
o-Xylene	<0.500	0.500	0.140	ug/L	1	12/19/13	524.2		MS
Styrene*	<0.500	0.500	0.193	ug/L	1	12/19/13	524.2		MS
Tetrachloroethene*	<0.500	0.500	0.195	ug/L	1	12/19/13	524.2		MS
Toluene*	<0.500	0.500	0.205	ug/L	1	12/19/13	524.2		MS
Surrogate: Toluene-d8			*102 %*	*70-130*		*12/19/13*	*524.2*		MS
Total Xylenes*	<1.50	1.50	0.484	ug/L	1	12/19/13	524.2		MS
trans-1,2-Dichloroethene*	<0.500	0.500	0.286	ug/L	1	12/19/13	524.2		MS

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Town Of Rico	Project:	Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number:	Rico Well #1	Reported:
Rico CO, 81332	Project Manager:	Mike England	01/13/14 10:56

Subcontracted – **Cardinal Laboratories**

Trip Blanks

1312127-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
Trichloroethene*	<0.500	0.500	0.198	ug/L	1	12/19/13	524.2		MS
Vinyl chloride*	<0.500	0.500	0.189	ug/L	1	12/19/13	524.2		MS

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PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312150 - General Prep - Wet Chem										
Blank (B312150-BLK1)				Prepared: 12/17/13 Analyzed: 12/18/13						
Nitrate/Nitrite as N	ND	0.020	mg/L							
LCS (B312150-BS1)				Prepared: 12/17/13 Analyzed: 12/18/13						
Nitrate/Nitrite as N	0.536	0.020	mg/L	0.500		107	90-110			
LCS Dup (B312150-BSD1)				Prepared: 12/17/13 Analyzed: 12/18/13						
Nitrate/Nitrite as N	0.513	0.020	mg/L	0.500		103	90-110	4.39	20	
Batch B312179 - General Prep - Wet Chem										
Blank (B312179-BLK1)				Prepared & Analyzed: 12/18/13						
Nitrite as N	ND	0.020	mg/L							
LCS (B312179-BS1)				Prepared & Analyzed: 12/18/13						
Nitrite as N	0.103	0.020	mg/L	0.100		103	90-110			
LCS Dup (B312179-BSD1)				Prepared & Analyzed: 12/18/13						
Nitrite as N	0.100	0.020	mg/L	0.100		100	90-110	2.96	20	
Batch B312211 - General Prep - Wet Chem										
Blank (B312211-BLK1)				Prepared & Analyzed: 12/23/13						
Fluoride	ND	0.200	mg/L							
LCS (B312211-BS1)				Prepared & Analyzed: 12/23/13						
Fluoride	1.10	0.200	mg/L	1.00		110	85-115			

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PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312211 - General Prep - Wet Chem										
LCS Dup (B312211-BSD1)				Prepared & Analyzed: 12/23/13						
Fluoride	1.02	0.200	mg/L	1.00		102	85-115	7.91	20	

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PO Box 9	Project Name / Number:	Rico Well #1	Reported:
Rico CO, 81332	Project Manager:	Mike England	01/13/14 10:56

Total Recoverable Metals by ICP (E200.7) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312185 - Total Recoverable, Direct Analysis E200.7/E200.8										
Blank (B312185-BLK1)				Prepared & Analyzed: 12/19/13						
Sodium	ND	1.00	mg/L							
LCS (B312185-BS1)				Prepared & Analyzed: 12/19/13						
Sodium	7.96	1.00	mg/L	8.10		98.3	85-115			
LCS Dup (B312185-BSD1)				Prepared & Analyzed: 12/19/13						
Sodium	7.99	1.00	mg/L	8.10		98.7	85-115	0.380	20	

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

Total Recoverable Metals by ICPMS (E200.8) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312189 - Total Recoverable, Direct Analysis E200.7/E200.8										
Blank (B312189-BLK1)				Prepared: 12/19/13 Analyzed: 12/20/13						
Antimony	ND	0.0005	mg/L							
Arsenic	ND	0.0005	mg/L							
Barium	ND	0.0005	mg/L							
Beryllium	ND	0.0005	mg/L							
Cadmium	ND	0.0001	mg/L							
Chromium	ND	0.0010	mg/L							
Nickel	ND	0.0005	mg/L							
Selenium	ND	0.0010	mg/L							
Thallium	ND	0.0001	mg/L							
LCS (B312189-BS1)				Prepared: 12/19/13 Analyzed: 12/20/13						
Antimony	0.0516	0.0005	mg/L	0.0500		103	85-115			
Arsenic	0.0494	0.0005	mg/L	0.0500		98.9	85-115			
Barium	0.0492	0.0005	mg/L	0.0500		98.4	85-115			
Beryllium	0.0529	0.0005	mg/L	0.0500		106	85-115			
Cadmium	0.0508	0.0001	mg/L	0.0500		102	85-115			
Chromium	0.0526	0.0010	mg/L	0.0500		105	85-115			
Nickel	0.0533	0.0005	mg/L	0.0500		107	85-115			
Selenium	0.257	0.0010	mg/L	0.250		103	85-115			
Thallium	0.0503	0.0001	mg/L	0.0500		101	85-115			
LCS Dup (B312189-BSD1)				Prepared: 12/19/13 Analyzed: 12/20/13						
Antimony	0.0520	0.0005	mg/L	0.0500		104	85-115	0.692	20	
Arsenic	0.0512	0.0005	mg/L	0.0500		102	85-115	3.57	20	
Barium	0.0498	0.0005	mg/L	0.0500		99.6	85-115	1.19	20	
Beryllium	0.0512	0.0005	mg/L	0.0500		102	85-115	3.24	20	
Cadmium	0.0495	0.0001	mg/L	0.0500		99.0	85-115	2.59	20	
Chromium	0.0519	0.0010	mg/L	0.0500		104	85-115	1.30	20	
Nickel	0.0522	0.0005	mg/L	0.0500		104	85-115	2.18	20	
Selenium	0.265	0.0010	mg/L	0.250		106	85-115	3.17	20	
Thallium	0.0504	0.0001	mg/L	0.0500		101	85-115	0.114	20	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

Total Mercury by CVAA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B401016 - EPA 245.1/7470										
Blank (B401016-BLK1)				Prepared & Analyzed: 01/03/14						
Mercury	ND	0.0002	mg/L							
LCS (B401016-BS1)				Prepared & Analyzed: 01/03/14						
Mercury	0.0020	0.0002	mg/L	0.00200		97.8	85-115			
LCS Dup (B401016-BSD1)				Prepared & Analyzed: 01/03/14						
Mercury	0.0019	0.0002	mg/L	0.00200		96.4	85-115	1.49	20	

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3121902 - Volatiles										
Blank (3121902-BLK1)				Prepared & Analyzed: 12/19/13						
1,1,1-Trichloroethane	ND	0.500	ug/L							
1,1,2-Trichloroethane	ND	0.500	ug/L							
1,1-Dichloroethene	ND	0.500	ug/L							
1,2,4-Trichlorobenzene	ND	0.500	ug/L							
1,2-Dichlorobenzene	ND	0.500	ug/L							
1,2-Dichloroethane	ND	0.500	ug/L							
1,2-Dichloropropane	ND	0.500	ug/L							
1,4 Dichlorobenzene	ND	0.500	ug/L							
Surrogate: 4-Bromofluorobenzene	*9.70*		ug/L	*10.0*		*97.0*	*70-130*			
Benzene	ND	0.500	ug/L							
Bromodichloromethane	ND	0.500	ug/L							
Bromoform	ND	0.500	ug/L							
Carbon tetrachloride	ND	0.500	ug/L							
Chlorobenzene	ND	0.500	ug/L							
Chloroform	ND	0.500	ug/L							
cis-1,2-Dichloroethene	ND	0.500	ug/L							
Dibromochloromethane	ND	0.500	ug/L							
Surrogate: Dibromofluoromethane	*10.3*		ug/L	*10.0*		*103*	*70-130*			
Ethylbenzene	ND	0.500	ug/L							
Methylene chloride	ND	0.500	ug/L							
m-p Xylenes	ND	1.00	ug/L							
o-Xylene	ND	0.500	ug/L							
Styrene	ND	0.500	ug/L							
Tetrachloroethene	ND	0.500	ug/L							
Toluene	ND	0.500	ug/L							
Surrogate: Toluene-d8	*9.82*		ug/L	*10.0*		*98.2*	*70-130*			
Total Xylenes	ND	1.50	ug/L							
trans-1,2-Dichloroethene	ND	0.500	ug/L							
Trichloroethene	ND	0.500	ug/L							
Vinyl chloride	ND	0.500	ug/L							

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3121902 - Volatiles										
LCS (3121902-BS1)				Prepared & Analyzed: 12/19/13						
1,1,1-Trichloroethane	17.3	0.500	ug/L	20.0		86.6	70-130			
1,1,2-Trichloroethane	19.3	0.500	ug/L	20.0		96.7	70-130			
1,1-Dichloroethene	17.2	0.500	ug/L	20.0		86.0	70-130			
1,2,4-Trichlorobenzene	20.9	0.500	ug/L	20.0		104	70-130			
1,2-Dichlorobenzene	19.5	0.500	ug/L	20.0		97.6	70-130			
1,2-Dichloroethane	17.4	0.500	ug/L	20.0		86.8	70-130			
1,2-Dichloropropane	16.9	0.500	ug/L	20.0		84.3	70-130			
1,4 Dichlorobenzene	20.6	0.500	ug/L	20.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*9.89*		ug/L	*10.0*		*98.9*	*70-130*			
Benzene	16.8	0.500	ug/L	20.0		84.1	70-130			
Bromodichloromethane	18.6	0.500	ug/L	20.0		93.2	70-130			
Bromoform	20.8	0.500	ug/L	20.0		104	70-130			
Carbon tetrachloride	17.1	0.500	ug/L	20.0		85.5	70-130			
Chlorobenzene	20.4	0.500	ug/L	20.0		102	70-130			
Chloroform	18.4	0.500	ug/L	20.0		92.1	70-130			
cis-1,2-Dichloroethene	19.0	0.500	ug/L	20.0		95.2	70-130			
Dibromochloromethane	22.0	0.500	ug/L	20.0		110	70-130			
Surrogate: Dibromofluoromethane	*9.83*		ug/L	*10.0*		*98.3*	*70-130*			
Ethylbenzene	18.7	0.500	ug/L	20.0		93.4	70-130			
Methylene chloride	17.7	0.500	ug/L	20.0		88.5	70-130			
m-p Xylenes	36.9	1.00	ug/L	40.0		92.2	80-120			
o-Xylene	19.1	0.500	ug/L	20.0		95.6	70-130			
Styrene	19.9	0.500	ug/L	20.0		99.6	70-130			
Tetrachloroethene	20.0	0.500	ug/L	20.0		100	70-130			
Toluene	18.2	0.500	ug/L	20.0		91.0	70-130			
Surrogate: Toluene-d8	*9.90*		ug/L	*10.0*		*99.0*	*70-130*			
Total Xylenes	56.0	1.50	ug/L	60.0		93.4	70-130			
trans-1,2-Dichloroethene	18.2	0.500	ug/L	20.0		91.2	70-130			
Trichloroethene	17.0	0.500	ug/L	20.0		85.1	70-130			
Vinyl chloride	16.5	0.500	ug/L	20.0		82.4	70-130			

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Town Of Rico	Project: Comp. VOC/SOC, Rads, Inorg., Nitrates	
PO Box 9	Project Name / Number: Rico Well #1	Reported:
Rico CO, 81332	Project Manager: Mike England	01/13/14 10:56

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3121902 - Volatiles										
LCS Dup (3121902-BSD1)				Prepared & Analyzed: 12/19/13						
1,1,1-Trichloroethane	17.5	0.500	ug/L	20.0		87.5	70-130	0.976	20	
1,1,2-Trichloroethane	19.7	0.500	ug/L	20.0		98.4	70-130	1.79	20	
1,1-Dichloroethene	17.2	0.500	ug/L	20.0		86.1	70-130	0.0581	20	
1,2,4-Trichlorobenzene	19.9	0.500	ug/L	20.0		99.4	70-130	4.95	20	
1,2-Dichlorobenzene	19.3	0.500	ug/L	20.0		96.6	70-130	0.978	20	
1,2-Dichloroethane	17.8	0.500	ug/L	20.0		88.8	70-130	2.22	20	
1,2-Dichloropropane	17.4	0.500	ug/L	20.0		86.9	70-130	3.04	20	
1,4 Dichlorobenzene	19.4	0.500	ug/L	20.0		97.2	70-130	5.75	20	
Surrogate: 4-Bromofluorobenzene	*10.3*		ug/L	*10.0*		*103*	*70-130*			
Benzene	17.1	0.500	ug/L	20.0		85.6	70-130	1.83	20	
Bromodichloromethane	18.9	0.500	ug/L	20.0		94.6	70-130	1.49	20	
Bromoform	21.0	0.500	ug/L	20.0		105	70-130	1.20	20	
Carbon tetrachloride	17.5	0.500	ug/L	20.0		87.6	70-130	2.37	20	
Chlorobenzene	20.6	0.500	ug/L	20.0		103	70-130	0.537	20	
Chloroform	18.4	0.500	ug/L	20.0		92.0	70-130	0.109	20	
cis-1,2-Dichloroethene	18.5	0.500	ug/L	20.0		92.6	70-130	2.82	20	
Dibromochloromethane	22.3	0.500	ug/L	20.0		112	70-130	1.53	20	
Surrogate: Dibromofluoromethane	*10.4*		ug/L	*10.0*		*104*	*70-130*			
Ethylbenzene	18.9	0.500	ug/L	20.0		94.7	70-130	1.44	20	
Methylene chloride	18.0	0.500	ug/L	20.0		89.8	70-130	1.51	20	
m-p Xylenes	37.6	1.00	ug/L	40.0		93.9	80-120	1.80	20	
o-Xylene	19.5	0.500	ug/L	20.0		97.4	70-130	1.81	20	
Styrene	20.8	0.500	ug/L	20.0		104	70-130	4.42	20	
Tetrachloroethene	19.9	0.500	ug/L	20.0		99.6	70-130	0.401	20	
Toluene	18.9	0.500	ug/L	20.0		94.3	70-130	3.62	20	
Surrogate: Toluene-d8	*10.1*		ug/L	*10.0*		*101*	*70-130*			
Total Xylenes	57.0	1.50	ug/L	60.0		95.1	70-130	1.80	20	
trans-1,2-Dichloroethene	18.3	0.500	ug/L	20.0		91.4	70-130	0.274	20	
Trichloroethene	17.0	0.500	ug/L	20.0		85.2	70-130	0.176	20	
Vinyl chloride	17.0	0.500	ug/L	20.0		85.0	70-130	3.11	20	

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Town Of Rico	Project:	Comp. VOC/SOC, Rads, Inorg , Nitrates	
PO Box 9	Project Name / Number:	Rico Well #1	Reported:
Rico CO, 81332	Project Manager:	Mike England	01/13/14 10:56

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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Colorado Department of Public Health and Environment

Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form

Revised 6/4/13

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water System)

Public Water System Information

PWS ID: CO 0117200
System Name: Town of Rico
Contact Person: Mike England
Phone #: 970 967 2863
Comments:

Section II (Completed by Certified Laboratory)

Certified Laboratory Information

Laboratory ID: CO118
Laboratory Name: Green Analytical Laboratories
Contact Person: Jacob L. Miller
Phone #: 970-247-4220
Comments:

Laboratory Authorized Signature | Printed Name: Technical Director | Title | Date: 01-13-14

Section III (Completed by Public Water System) / Section IV (Completed by Certified Laboratory)

Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
12-11-13	ME	004	005	NO	12-17-13	12-18-13	1312-127-01	Nitrate	353.2/Calc	10	0.020	0.064
								Nitrite	353.2	1	0.020	<0.020
Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
								Nitrate		10		
								Nitrite		1		
Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
								Nitrate		10		
								Nitrite		1		
Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
								Nitrate		10		
								Nitrite		1		
Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
								Nitrate		10		
								Nitrite		1		

Colorado Department of Public Health and Environment

Inorganic Chemicals Certified Laboratory Report Form

WQCD – Drinking Water CAS
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Revision 6/4/13

Section I (Completed by Public Water System)

Public Water System Information

PWS ID: CO 1117200
System Name: Town of Rico
Contact Person: Mike England
Phone #: 970 967 2263
Comments:
Do Samples Need to be Composited BY THE LAB? N/O

Section II (Completed by Certified Laboratory)

Certified Laboratory Information

Laboratory ID: C0118
Laboratory Name: Green Analytical Laboratories
Contact Person: Jacob L. Miller
Phone #: 970-247-4220
Comments:
Laboratory Authorized Signature | Printed Name | Technical Director (Title) | 01-13-14 (Date)

Section III (Completed by Public Water System)

Sample Date: 12-17-13 | Collector: M.C. | Facility ID (On Schedule): 004 | Sample Pt ID (On Schedule): 005

Section IV Inorganic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
12-17-13	12-20-13	1312-127-01	Antimony (1074)	7440-36-0	200.8	0.006	0.0005	<0.0005
			Arsenic (1005)	7440-38-2		0.01	0.0005	<0.0005
			Barium (1010)	7440-39-3		2	0.0005	0.0575
			Beryllium (1075)	7440-41-7		0.004	0.0005	<0.0005
			Cadmium (1015)	7440-43-9		0.005	0.0001	<0.0001
			Chromium (1020)	7440-47-3		0.1	0.0010	0.0164
	—		Cyanide (1024)	57-12-5	—	0.2	—	NT
	12-23-13		Fluoride (1025)	7681-49-4	4500-F-C	4.0	0.200	<0.200
	01-03-14		Mercury (1035)	7439-97-6	245.1	0.002	0.0002	<0.0002
	12-20-13		Nickel (1036)	7440-02-0	200.8	N/A	200.8	0.0025
	12-20-13		Selenium (1045)	7782-49-2	200.8	0.05	200.8	<0.0010
	12-19-13		Sodium (1052)	7440-23-5	200.7	N/A	200.7	6.06
	12-20-13		Thallium (1085)	7440-28-0	200.8	0.002	200.8	<0.0001

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Organic Chemicals Certified Laboratory Report Form

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Revision 6/4/13

VOC/SOC

Section I (Completed by Public Water System)		Section II (Completed by Certified Laboratory)	
Public Water System Information		**Certified Laboratory Information**	
PWS ID: CO 0117700		Laboratory ID: H303064-01	
System Name: TOWN OF RICO		Laboratory Name: CARDINAL LABORATORIES	
Contact Person: MIKE ENGLAND	Phone #: 970-967-2863	Contact Person: CELEY KEENE	Phone #: 575-393-2326
Comments:	Do Samples Need to be Composited BY THE LAB?	Comments: AUTOLOG FROM GAL LAB #1312-127-01	
		Celey Keene / CELEY KEENE / LAB DIRECTOR / 12/27/13	
		Laboratory Authorized Signature / Printed Name / Title / Date	

Section III (Completed by Public Water System)

Sample Date: 12/17/13	Collector: ME	Facility ID (On Schedule): 004	Sample Pt ID (On Schedule): 005

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
12/18/13	12/19/13	H303064-01	1,1,1-Trichloroethane (2981)	71-55-6	EPA 524.2	200	0.242	<0.5
			1,1,2-Trichloroethane (2985)	79-00-5	EPA 524.2	5	0.176	<0.5
			1,1-Dichloroethylene (2977)	75-35-4	EPA 524.2	7	0.232	<0.5
			1,2,4-Trichlorobenzene (2378)	120-82-1	EPA 524.2	70	0.208	<0.5
			1,2,-Dichloroethane (2980)	107-06-2	EPA 524.2	5	0.225	<0.5
			1,2,-Dichloropropane (2983)	78-87-5	EPA 524.2	5	0.235	<0.5
			Benzene (2990)	71-43-2	EPA 524.2	5	0.200	<0.5
			Carbon tetrachloride (2982)	56-23-5	EPA 524.2	5	0.195	<0.5
			Chlorobenzene (2989)	108-90-7	EPA 524.2	100	0.164	<0.5
			cis-1,2-Dichloroethylene (2380)	156-59-2	EPA 524.2	70	0.184	<0.5
			Dichloromethane (2964)	75-09-2	EPA 524.2	5	0.364	<0.5
			Ethylbenzene (2992)	100-41-4	EPA 524.2	700	0.163	<0.5
			o-Dichlorobenzene (2968)	95-50-1	EPA 524.2	600	0.250	<0.5
			Para-Dichlorobenzene (2969)	106-46-7	EPA 524.2	75	0.307	<0.5
			Styrene (2996)	100-42-5	EPA 524.2	100	0.193	<0.5
			Tetrachloroethylene (2987)	127-18-4	EPA 524.2	5	0.195	<0.5
			Toluene (2991)	108-88-3	EPA 524.2	1,000	0.205	<0.5
			trans-1,2-Dichloroethylene (2979)	156-60-5	EPA 524.2	100	0.286	<0.5
			Trichloroethylene (2984)	79-01-6	EPA 524.2	5	0.198	<0.5
			Vinyl chloride (2976)	75-01-4	EPA 524.2	2	0.189	<0.5
			Xylenes - Total (2955)	1330-20-7	EPA 524.2	10,000	0.484	<1.5

Colorado Department of Public Health and Environment

Organic Chemicals Certified Laboratory Report Form

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Revision 6/4/13

VOC/SOC

Section I (Completed by Public Water System)		Section II (Completed by Certified Laboratory)	
Public Water System Information		**Certified Laboratory Information**	
PWS ID: CO 0117700		Laboratory ID: H303064-02	
System Name: TOWN OF RICO		Laboratory Name: CARDINAL LABORATORIES	
Contact Person: MIKE ENGLAND	Phone #: 970-967-2863	Contact Person: CELEY KEENE	Phone #: 575-393-2326
Comments:	Do Samples Need to be Composited BY THE LAB? ☐	Comments: AUTOLOG FROM GAL LAB #1312-127-02	
		Celey Keene / CELEY KEENE / LAB DIRECTOR / 12/27/13	
		Laboratory Authorized Signature / Printed Name / Title / Date	

Section III (Completed by Public Water System)

Sample Date: 12/17/13	Collector: ME	Facility ID (On Schedule): NA	Sample Pt ID (On Schedule): TRIP BLANK

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
12/18/13	12/19/13	H303064-02	1,1,1-Trichloroethane (2981)	71-55-6	EPA 524.2	200	0.242	<0.5
			1,1,2-Trichloroethane (2985)	79-00-5	EPA 524.2	5	0.176	<0.5
			1,1-Dichloroethylene (2977)	75-35-4	EPA 524.2	7	0.232	<0.5
			1,2,4-Trichlorobenzene (2378)	120-82-1	EPA 524.2	70	0.208	<0.5
			1,2,-Dichloroethane (2980)	107-06-2	EPA 524.2	5	0.225	<0.5
			1,2,-Dichloropropane (2983)	78-87-5	EPA 524.2	5	0.235	<0.5
			Benzene (2990)	71-43-2	EPA 524.2	5	0.200	<0.5
			Carbon tetrachloride (2982)	56-23-5	EPA 524.2	5	0.195	1.11
			Chlorobenzene (2989)	108-90-7	EPA 524.2	100	0.164	<0.5
			cis-1,2-Dichloroethylene (2380)	156-59-2	EPA 524.2	70	0.184	<0.5
			Dichloromethane (2964)	75-09-2	EPA 524.2	5	0.364	<0.5
			Ethylbenzene (2992)	100-41-4	EPA 524.2	700	0.163	<0.5
			o-Dichlorobenzene (2968)	95-50-1	EPA 524.2	600	0.250	<0.5
			Para-Dichlorobenzene (2969)	106-46-7	EPA 524.2	75	0.307	0.62
			Styrene (2996)	100-42-5	EPA 524.2	100	0.193	<0.5
			Tetrachloroethylene (2987)	127-18-4	EPA 524.2	5	0.195	<0.5
			Toluene (2991)	108-88-3	EPA 524.2	1,000	0.205	<0.5
			trans-1,2-Dichloroethylene (2979)	156-60-5	EPA 524.2	100	0.286	<0.5
			Trichloroethylene (2984)	79-01-6	EPA 524.2	5	0.198	<0.5
			Vinyl chloride (2976)	75-01-4	EPA 524.2	2	0.189	<0.5
			Xylenes - Total (2955)	1330-20-7	EPA 524.2	10,000	0.484	<1.5

GAL Analytical Laboratories

CHAIN OF CUSTODY RECORD

Page 1 of 1

Client: Town of Rico
Contact: Mike England
Address: PO Box 9
Rico, Co 81332
Phone Number: 970-967-2863
Email: town manager@ricocolorado.org

NOTES:
1) Ensure proper container packaging.
2) Ship samples promptly following collection.
3) Designate Sample Reject Disposition.

PO#
Project Name: Rico well #1

Table 1. – Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Prod.W., 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB # 1312-127

Samplers Signature:

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

	Sample ID	Collection: Date	Collection: Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)	Nitrates	Rad	Inorganics	Organics						Comments
	1. Nitrates	12-17-13	8:45AM	ME	2		N	X						X									qoc #18 on ice
01	2. Radionuclides	12-17-13	8:45AM	ME	2		N	X							X								
01	3. Inorganics	12-17-13	8:45AM	ME	2		N	X								X							
01	4. Organics	12-17-13	8:45AM	ME	2		N	X									X						
	5.																						
02	6. VOC trip blanks					2				X													
	7.																						
	8.																						
	9.																						
	10.																						

Relinquished by: [signature]	Date: 12/12/13	Time: 1:35pm	Received by: Michael Valentine	Date: 12-17-13	Time: 1135
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

Radionuclides Certified Laboratory Report Form

Revision 6/4/13

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398: cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water System)		Section II (Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWS ID: Co 0117700		Laboratory ID: CH00923	
System Name: Town of Rico		Laboratory Name: Summit ENV Labs	
Contact Person: Mike England	Phone #: 970-967-2763	Contact Person: Meegan Dougherty	Phone #: 330-253-8211
Comments:	Do Samples Need to be Composited BY THE LAB? No	Comments:	
		Meegan Dougherty / Meegan Dougherty / QA Manager / 10-14	
		Laboratory Authorized Signature / Printed Name / Title / Date	

Section III (Completed by Public Water System)			
Sample Date: 12-17-13	Collector: M.E.	Facility ID (On Schedule): 064	Sample Pt ID (On Schedule): 005

Section IV Radionuclides (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL	Lab MDL	Result
12-17-13		13214137	Gross Alpha Including Uranium (4002)	12587-46-1		N/A		
			Combined Uranium (4006)	7440-61-1		30 ug/L		
	12-30-13		Radium -226 (4020)	13982-63-3	903.0	N/A	0.98	ND
	12-30-13		Radium -228 (4030)	15262-20-1	904.0	N/A	0.90	ND
	12-27-13		Gross Beta (4100)	12587-47-2	900	50 pCi/L*	3.5	ND
			Total Dissolved Solids (1930)			N/A		

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.

Section V Calculated Values (Completed by CDPHE)

N/A	Gross Alpha Excluding Uranium (4000)	Calculated Value	15 pCi/L	N/A	
	Combined Radium (-226 & -228) (4010)	Calculated Value	5 pCi/L	N/A	

Organic Chemicals Certified Laboratory Report Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision 6/4/13

VOC/SOC

Section I (Completed by Public Water System)

Public Water System Information

PWS ID: CO0117700

System Name: Town of Rico

Contact Person: Mike England

Phone #: 970-967-2862

Comments:

Do Samples Need to be Composited BY THE LAB? NO

Section II (Completed by Certified Laboratory)

Certified Laboratory Information

Laboratory ID: OH00923

Laboratory Name: Summit Environmental Technologies, Inc.

Contact Person: Meegan Daugherty

Phone #: 330-253-8211

Comments:

Meegan Daugherty | Meegan Daugherty | QA Manager | 1-10-14

Laboratory Authorized Signature | Printed Name | Title | Date

Section III (Completed by Public Water System)

Sample Date: 12-17-13 | Collector: ME | Facility ID (On Schedule): 002 | Sample Pt ID (On Schedule): 005

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
			1,1,1-Trichloroethane (2981)	71-55-6		200		
			1,1,2-Trichloroethane (2985)	79-00-5		5		
			1,1-Dichloroethylene (2977)	75-35-4		7		
			1,2,4-Trichlorobenzene (2378)	120-82-1		70		
			1,2,-Dichloroethane (2980)	107-06-2		5		
			1,2,-Dichloropropane (2983)	78-87-5		5		
			Benzene (2990)	71-43-2		5		
			Carbon tetrachloride (2982)	56-23-5		5		
			Chlorobenzene (2989)	108-90-7		100		
			cis-1,2-Dichloroethylene (2380)	156-59-2		70		
			Dichloromethane (2964)	75-09-2		5		
			Ethylbenzene (2992)	100-41-4		700		
			o-Dichlorobenzene (2968)	95-50-1		600		
			Para-Dichlorobenzene (2969)	106-46-7		75		
			Styrene (2996)	100-42-5		100		
			Tetrachloroethylene (2987)	127-18-4		5		
			Toluene (2991)	108-88-3		1,000		
			trans-1,2-Dichloroethylene (2979)	156-60-5		100		
			Trichloroethylene (2984)	79-01-6		5		
			Vinyl chloride (2976)	75-01-4		2		
			Xylenes - Total (2955)	1330-20-7		10,000		

Section V (Completed by Public Water System)

PWS ID: CO0117100	Facility ID (On Schedule): 009	Sample Pt ID (On Schedule): 005
Sample Date: 12-17-13	Collector: ME	

Section VI Synthetic Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
12-17-13	12-26-13	1312K137	1,2-Dibromo-3-Chloropropane (2931)	96-12-8	504.1	0.2	0.03	ND
	12-31-13		2,4,-D (2105)	94-75-7	515.1	70	0.10	ND
	12-31-13		2,4,5,-TP (2110)	93-72-1	515.1	50	0.30	ND
	12-30-13		Alachlor/Lasso (2051)	15972-60-8	525.2	2	0.20	ND
	12-23-13		Aldicarb (2047)	116-06-3	531.2	N/A	0.20	ND
	12-23-13		Aldicarb sulfone (2044)	1646-88-4	531.2	N/A	0.20	ND
	12-23-13		Aldicarb sulfoxide (2043)	1646-87-3	531.2	N/A	0.20	ND
	12-30-13		Atrazine (2050)	1912-24-9	525.2	3	0.20	ND
	12-30-13		Benzo(a)pyrene (2306)	50-32-8	525.2	0.2	0.10	ND
	12-23-13		Carbofuran (2046)	1563-66-2	531.2	40	0.70	ND
	1-10-14		Chlordane (2959)	57-74-9	508	2	0.03	ND
	12-31-13		Dalapon (2031)	75-99-0	515.1	200	0.70	ND
	12-30-13		Di(2-ethylhexyl)adipate (2035)	103-23-1	525.2	400	6.40	ND
	12-30-13		Di(2-ethylhexyl)phthalate (2039)	117-81-7	525.2	6	1.0	ND
	12-31-13		Dinoseb (2041)	85-85-7	515.1	7	6.30	ND
	12-23-13		Diquat (2032)	85-00-7	549.2	20	2.4	ND
	12-24-13		Endothall (2033)	145-73-3	548.1	100	2.0	ND
	1-10-14		Endrin (2005)	72-20-8	508	2	0.02	ND
	12-26-13		Ethylene dibromide (2946)	106-93-4	504.1	0.05	0.01	ND
	1-10-14		Heptachlor (2065)	76-44-8	508	0.4	0.05	ND
	1-10-14		Heptachlor epoxide (2067)	1024-57-3	508	0.2	0.01	ND
	12-30-13		Hexachlorobenzene (2274)	118-74-1	525.2	1	0.10	ND
	12-30-13		Hexachlorocyclopentadiene (2042)	77-47-4	525.2	50	0.20	ND
	1-10-14		Lindane/BHC-Gamma (2010)	58-89-9	508	0.2	0.02	ND
	1-10-14		Methoxychlor (2015)	72-43-5	508	40	0.02	ND
	12-30-13		Oxamyl (2036)	23135-22-0	531.2	200	0.60	ND
	12-31-13		Pentachlorophenol (2326)	87-86-5	515.1	1	0.08	ND
	12-31-13		Picloram (2040)	1918-02-1	515.1	500	0.10	ND
	1-10-14		Polychlorinated biphenyls (2383)	1336-36-3	508	0.5	0.08	ND
	12-30-13		Simazine (2037)	122-34-9	525.2	4	0.10	ND
	1-10-14		Toxaphene (2020)	8001-35-2	508	3	0.70	ND

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

January 10, 2014

Debbie Zufelt
Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303
TEL: 970-247-4220
FAX: 970-247-4227

RE: Town of Rico , 1312-127-01

Order No.: 13121437

Dear Debbie Zufelt:

Summit Environmental Technologies, Inc. received 1 sample(s) on 12/18/2013 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Dr. Mo Osman
Project Manager
3310 Win St.
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
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Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Workorder Sample Summary

WO#: **13121437**
10-Jan-14

CLIENT: Green Analytical Laboratories
Project: Town of Rico , 1312-127-01

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
13121437-001	1312-127-01		12/17/2013 8:45:00 AM	12/18/2013 11:30:00 AM	Drinking Water

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

Analytical Report

(consolidated)

WO#: 13121437

Date Reported: 1/10/2014

CLIENT: Green Analytical Laboratories
Collection Date: 12/17/2013 8:45:00 AM
Project: Town of Rico , 1312-127-01
Lab ID: 13121437-001
Matrix: DRINKING WATER
Client Sample ID 1312-127-01

Analyses	Result	RL	Qual	Units	Uncertainty	DF	Date Analyzed
DW GROSS ALPHA/BETA ANALYSIS (900.0)					**E900.0**		Analyst: **CM**
ALPHA, Gross	ND	2.5		pCi/L	± 1.7	1	12/27/2013 5:19:00 PM
BETA, Gross	ND	3.5		pCi/L	± 2.4	1	12/27/2013 5:19:00 PM
DW RADIUM-226 ANALYSIS (903.0)					**E903.0**		Analyst: **CM**
Radium-226	ND	0.98		pCi/L	± 0.03	1	12/30/2013 5:51:00 PM
DW RADIUM-228 ANALYSIS (904.0)					**E904.0**		Analyst: **CM**
Radium-228	ND	0.90		pCi/L	± 0.55	1	12/30/2013 4:59:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	C	Value is below Minimum Compound Limit.
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
M	Manual Integration used to determine area response	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit

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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: 13121437
Date Reported: 1/10/2014
Company: Green Analytical Laboratories
Address: 75 Suttle Street
Durango CO 81303
Received: 12/18/2013
Project#: Town of Rico , 1

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
1312-127-01	001	12/17/2013	1,2-Dibromo-3-chloropropane	ND	mg/L		Drinking Water	EPA 504.1	1	0.000040	0.000040	12/26/2013	DLW
1312-127-01	001	12/17/2013	Ethylene dibromide	ND	mg/L		Drinking Water	EPA 504.1	1	0.000020	0.000020	12/26/2013	DLW
1312-127-01	001	12/17/2013	Aroclor 1016	ND	mg/L		Drinking Water	EPA 508	1	0.00010	0.00010	1/10/2014	JBN
1312-127-01	001	12/17/2013	Aroclor 1221	ND	mg/L		Drinking Water	EPA 508	1	0.00020	0.00020	1/10/2014	JBN
1312-127-01	001	12/17/2013	Aroclor 1232	ND	mg/L		Drinking Water	EPA 508	1	0.00010	0.00010	1/10/2014	JBN
1312-127-01	001	12/17/2013	Aroclor 1242	ND	mg/L		Drinking Water	EPA 508	1	0.00010	0.00010	1/10/2014	JBN
1312-127-01	001	12/17/2013	Aroclor 1248	ND	mg/L		Drinking Water	EPA 508	1	0.00010	0.00010	1/10/2014	JBN
1312-127-01	001	12/17/2013	Aroclor 1254	ND	mg/L		Drinking Water	EPA 508	1	0.00010	0.00010	1/10/2014	JBN
1312-127-01	001	12/17/2013	Aroclor 1260	ND	mg/L		Drinking Water	EPA 508	1	0.00010	0.00010	1/10/2014	JBN
1312-127-01	001	12/17/2013	Chlordane	ND	mg/L		Drinking Water	EPA 508	1	0.00044	0.00044	1/10/2014	JBN
1312-127-01	001	12/17/2013	Endrin	ND	mg/L		Drinking Water	EPA 508	1	0.000022	0.000022	1/10/2014	JBN
1312-127-01	001	12/17/2013	Heptachlor	ND	mg/L		Drinking Water	EPA 508	1	0.000088	0.000088	1/10/2014	JBN
1312-127-01	001	12/17/2013	Heptachlor epoxide	ND	mg/L		Drinking Water	EPA 508	1	0.000044	0.000044	1/10/2014	JBN
1312-127-01	001	12/17/2013	Lindane	ND	mg/L		Drinking Water	EPA 508	1	0.000044	0.000044	1/10/2014	JBN
1312-127-01	001	12/17/2013	Methoxychlor	ND	mg/L		Drinking Water	EPA 508	1	0.000022	0.000022	1/10/2014	JBN
1312-127-01	001	12/17/2013	Toxaphene	ND	mg/L		Drinking Water	EPA 508	1	0.0022	0.0022	1/10/2014	JBN
1312-127-01	001	12/17/2013	2,4,5-TP	ND	mg/L		Drinking Water	EPA 515.1	1	0.00044	0.00044	12/31/2013	JBN
1312-127-01	001	12/17/2013	2,4-D	ND	mg/L		Drinking Water	EPA 515.1	1	0.00022	0.00022	12/31/2013	JBN
1312-127-01	001	12/17/2013	Dalapon	ND	mg/L		Drinking Water	EPA 515.1	1	0.0022	0.0022	12/31/2013	JBN
1312-127-01	001	12/17/2013	Dinoseb	ND	mg/L		Drinking Water	EPA 515.1	1	0.00044	0.00044	12/31/2013	JBN
1312-127-01	001	12/17/2013	Pentachlorophenol	ND	mg/L		Drinking Water	EPA 515.1	1	0.000088	0.000088	12/31/2013	JBN
1312-127-01	001	12/17/2013	Picloram	ND	mg/L		Drinking Water	EPA 515.1	1	0.00022	0.00022	12/31/2013	JBN
1312-127-01	001	12/17/2013	Alachlor	ND	mg/L		Drinking Water	EPA 525.2	1	0.00020	0.00020	12/30/2013	AJG
1312-127-01	001	12/17/2013	Atrazine	ND	mg/L		Drinking Water	EPA 525.2	1	0.00022	0.00022	12/30/2013	AJG
1312-127-01	001	12/17/2013	Benzo(a)pyrene	ND	mg/L		Drinking Water	EPA 525.2	1	0.00010	0.00010	12/30/2013	AJG
1312-127-01	001	12/17/2013	Bis(2-ethylhexyl) phthalate	ND	mg/L		Drinking Water	EPA 525.2	1	0.0010	0.0010	12/30/2013	AJG
1312-127-01	001	12/17/2013	bis(2-Ethylhexyl)adipate	ND	mg/L		Drinking Water	EPA 525.2	1	0.0010	0.0010	12/30/2013	AJG
1312-127-01	001	12/17/2013	Hexachlorobenzene	ND	mg/L		Drinking Water	EPA 525.2	1	0.00020	0.00020	12/30/2013	AJG
1312-127-01	001	12/17/2013	Hexachlorocyclopentadiene	ND	mg/L		Drinking Water	EPA 525.2	1	0.00020	0.00022	12/30/2013	AJG
1312-127-01	001	12/17/2013	Simazine	ND	mg/L		Drinking Water	EPA 525.2	1	0.00015	0.00015	12/30/2013	AJG

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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **13121437**
Date Reported: **1/10/2014**
Company: Green Analytical Laboratories
Address: 75 Suttle Street
Durango CO 81303
Received: 12/18/2013
Project#: Town of Rico , 1

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
1312-127-01	001	12/17/2013	Endothall	ND	mg/L		Drinking Water	EPA 548.1	1	0.0030	0.0050	12/24/2013	AJG
1312-127-01	001	12/17/2013	Diquat	ND	mg/L		Drinking Water	EPA 549.2	1	0.010	0.010	12/23/2013	KRC
1312-127-01	001	12/17/2013	Aldicarb	ND	mg/L		Drinking Water	EPA 531.2	1	0.0010	0.0010	12/23/2013	KRC
1312-127-01	001	12/17/2013	Aldicarb sulfone	ND	mg/L		Drinking Water	EPA 531.2	1	0.0010	0.0010	12/23/2013	KRC
1312-127-01	001	12/17/2013	Aldicarb sulfoxide	ND	mg/L		Drinking Water	EPA 531.2	1	0.0010	0.0010	12/23/2013	KRC
1312-127-01	001	12/17/2013	Carbofuran	ND	mg/L		Drinking Water	EPA 531.2	1	0.0030	0.0030	12/23/2013	KRC
1312-127-01	001	12/17/2013	Oxamyl	ND	mg/L		Drinking Water	EPA 531.2	1	0.0044	0.0044	12/23/2013	KRC

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **13121437**
Date Reported: **1/10/2014**
Company: Green Analytical Laboratories
Address: 75 Suttle Street
Durango CO 81303
Received: 12/18/2013
Project#: Town of Rico , 1

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	RL	Run	Analyst
1312-127-01	001	12/17/2013	Uranium(U)	ND	mg/L	Drinking Water	EPA 200.8	1	0.0020	12/20/2013	TIN

Summit (Ohio)

CHAIN OF CUSTODY RECORD

Page ____ of ____

Client: GREEN ANALYTICAL
Contact: DEBBIE ZUFELT
Address: 75 Suttle St.
Durango, CO 81303
Phone Number: 970-247-4220
Email: 970-247-4227

NOTES:
1) Ensure proper container packaging.
2) Ship samples promptly following collection.
3) Designate Sample Reject Disposition.
PO# GA13-348
Project Name: Town of Rico

Table 1. – Matrix Type
1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Prod.W., 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
GAL JOB # _____

Samplers Signature:

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com

Sample ID	Collection: Date	Collection: Time	Collected by: (Init.)	Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N	Unpreserved (Ice Only)	HNO3	HCL	H2SO4	NAOH	Other (Specify)	SOC per attached list	Gross A+B	Rad 226/228	Uranium						Report Batch QC / NOT Compliance / Colorado Compliance, Fill in State Form
1. 004	12-17-13	8:45		2									X	X	X	X						1312-127-01
2.																						
3.																						
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

13121437-001

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Michael Valentine	12-17-13	1600	Fed Ex	12-17-13	1600
Fed Ex					
			Stephen Unnett	12/18/13	1745

* Sample Reject: [ ] Return [ ] Dispose [ ] Store (30 Days)

Radionuclides Certified Laboratory Report Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision 6/4/13

Section I (Completed by Public Water System)		Section II (Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWS ID: Co 0117200		Laboratory ID:	
System Name: Town of Rico		Laboratory Name:	
Contact Person: Mike England	Phone #: 970 963-2963	Contact Person:	Phone #:
Comments:	Do Samples Need to be Composited BY THE LAB? No	Comments:	
		Laboratory Authorized Signature / Printed Name / Title / Date	

Section III (Completed by Public Water System)

Sample Date:	Collector:	Facility ID (On Schedule):	Sample Pt ID (On Schedule):
12-11-13	M.E.	004	005

Section IV Radionuclides (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL	Lab MDL	Result
			Gross Alpha Including Uranium (4002)	12587-46-1		N/A		
			Combined Uranium (4006)	7440-61-1		30 ug/L		
			Radium -226 (4020)	13982-63-3		N/A		
			Radium -228 (4030)	15262-20-1		N/A		
			Gross Beta (4100)	12587-47-2		50 pCi/L*		
			Total Dissolved Solids (1930)			N/A		

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.

Section V Calculated Values (Completed by CDPHE)

N/A	Gross Alpha Excluding Uranium (4000)	Calculated Value	15 pCi/L	N/A	
	Combined Radium (-226 & -228) (4010)	Calculated Value	5 pCi/L	N/A	

Organic Chemicals Certified Laboratory Report Form

Revision 6/4/13

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water System)		Section II (Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWS ID: CO 0117200		Laboratory ID:	
System Name: Town of Rico		Laboratory Name:	
Contact Person: Mike England	Phone #: 970 967 2463	Contact Person:	Phone #:
Comments:	Do Samples Need to be Composited BY THE LAB? No	Comments:	
		Laboratory Authorized Signature / Printed Name / Title / Date	

Section III (Completed by Public Water System)			
Sample Date: 12-19-13	Collector: ME.	Facility ID (On Schedule): 004	Sample Pt ID (On Schedule): 005

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
			1,1,1-Trichloroethane (2981)	71-55-6		200		
			1,1,2-Trichloroethane (2985)	79-00-5		5		
			1,1-Dichloroethylene (2977)	75-35-4		7		
			1,2,4-Trichlorobenzene (2378)	120-82-1		70		
			1,2,-Dichloroethane (2980)	107-06-2		5		
			1,2,-Dichloropropane (2983)	78-87-5		5		
			Benzene (2990)	71-43-2		5		
			Carbon tetrachloride (2982)	56-23-5		5		
			Chlorobenzene (2989)	108-90-7		100		
			cis-1,2-Dichloroethylene (2380)	156-59-2		70		
			Dichloromethane (2964)	75-09-2		5		
			Ethylbenzene (2992)	100-41-4		700		
			o-Dichlorobenzene (2968)	95-50-1		600		
			Para-Dichlorobenzene (2969)	106-46-7		75		
			Styrene (2996)	100-42-5		100		
			Tetrachloroethylene (2987)	127-18-4		5		
			Toluene (2991)	108-88-3		1,000		
			trans-1,2-Dichloroethylene (2979)	156-60-5		100		
			Trichloroethylene (2984)	79-01-6		5		
			Vinyl chloride (2976)	75-01-4		2		
			Xylenes - Total (2955)	1330-20-7		10,000		

Green Analytical Laboratories, [redacted]
75 Suttle Street
Durango, CO 81303
Phone: 970-247-4220
Fax: 970-247-4227

PURCHASE REQUEST

Supplier: Summit (Ohio)

Phone:
Fax:
Account:
Reference:
Contact:

PO Number: GA13-348
Date Ordered: 12-17-13
Ordered By: M. Valentine
Date Required: ~~ASAP~~

All items will be shipped UPS Ground (5-7 day delivery) unless otherwise specified.

Part Number	Description	Quantity	Unit Price	Per	Ext	Date Rcvd	Insp By	Comments
Analysis	SOC [redacted] (per attached lists) + Gross A+B, Rad 226/228, U	1						1312-127-01

Requested By: _____ Date: _____ $ _____ Total Additional Comments:

Dept. Approval: Michael Valentine Date: 12-17-13

Lab Approval: _____ Date: _____

page ____ of ____

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PURCHASE REQUEST

Green Analytical Laboratories [redacted]
75 Suttle Street
Durango, CO 81303
Phone: 970-247-4220
Fax: 970-247-4227

Supplier: Summit (Ohio)

Phone:
Fax:
Account:
Reference:
Contact:

PO Number: GA13-348
Date Ordered: 12-17-13
Ordered By: M. Valentine
Date Required: [illegible]

All items will be shipped UPS Ground (3-7 day delivery) unless otherwise specified.

Part Number	Description	Quantity	Unit Price	Per	Ext	Date Rcvd	Insp By	Comments
Analysis	SOC [redacted]	1						1312-127-01
	(per attached lists) &							
	Gross A+B, Rad 226/228, U							

Requested By: _____ Date: _____ $ _____ Total

Additional Comments:

Dept. Approval: Michael Valentine Date: 12-17-13

Lab Approval: _____ Date: _____

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