Stevens Ecology
Water Analysis Report

Stevens Ecology
1710 State Road
Mosier, OR 97040-9778

866-942-7601
info@stevensecology.com

www.stevensecology.com

Sample Information

Project Number: 0000004718 — Standard Analysis Package

Client:	Rick	Eye		rick@bluecanwater.com
	Blue Can			(818)929-7159
	8531 Lankershim Blvd			
	Sun Valley		CA	91352

Sample Number:	4718.2	lat	0.00 °	**Sample Date:**	Nov 2, 1952
Sample Source:	other	long	0.00 °	**Date Received:**	Aug 20, 2014
	0	depth	0.0 m	**Report Date:**	Sep 2, 2014

Sample Description: can of water from 1952

Contract No. N383-155s77754 Mil Spec MIL-W-15117A

Notes:

Sample supplied in customer-supplied container. Metal can. Surface-sterilized before opening.

Sample is very "soft." No detectable divalent cations. Therefore, unable to calculate SAR or LI

No harmful bacteria detected - sample appears to be sterile.
pH exceeds recommended range - possible bitter taste.
Dissolved solids, sodium and carbonate near, but within recommended limits.

Microbiological Analysis

Test	result	units	Interpretation	recommended limit Drinking	Recreation	Irrigation
Coliform Bacteria	ABSENT		free of septic contamination	0	500	500
Total Bacteria	0	CFU/ml	apparently sterile	500	-	-

Physical Analysis

Test	units	result	interpretation	recommended limit Drinking	Livestock	Irrigation
pH		8.63	alkaline	5 - 8		5 - 7
Conductivity	$\mu S.cm^{-1}$	573				
Total Dissolved Solids	ppm	458	fresh	500	500	500
Hardness	ppm	0	soft	170	-	-
Alkalinity (as CaCO3)	ppm	372	slightly excess	400	400	100
Turbidity	NTU	0.77	clear	1 - 5	-	-
Sodium Absorption Ratio			unable to calculate	-	-	50
Langelier Index	@25°C		unable to calculate (very low)	-	-	<0

Chemical Analysis

Type	Chemical	Your Sample µM	Your Sample ppm	recommended upper limits (ppm) Drinking	Livestock	Irrigation
Anions	**Fluoride**	3	0.1	2	2	-
	Chloride	261	9.3	250	1500	-
	Bromide	0	0.0	-	-	-
	Nitrite	0	0.0	3.3	10	-
	Nitrate	0	0.0	44.2	100	-
	Phosphate	0	0.0	-	-	-
	Sulfate	97	9.3	250	1500	-
	Silicates	0	0.0	-	-	-
	Chlorate	0	0.0	0.8	-	-
	Carbonate	3720	223.2	240	7	60
Cations	**Sodium**	9417	216.6	250	2000	-
	Potassium	0	0.0	-	-	-
	Ammonium	0	0.0	-	-	-
	Magnesium	0	0.0	-	2000	-
	Calcium	0	0.0	-	-	-
	Strontium	0	0.0	-	-	-
Metals	**Iron (ferric)**	0.31	0.02	-	-	-
	Iron (ferrous)	0.00	0.00	-	-	-
	Iron (total)	0.31	0.02	0.30	-	-
	Manganese	0.00	0.00	0.05	-	2
	Copper	0.00	0.00	1.00	0.5	0.2

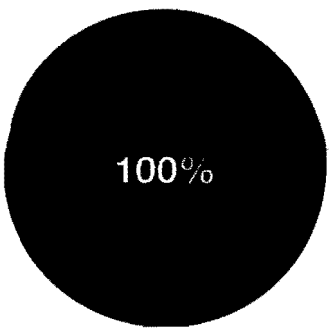
Type	Chemical	Your Sample		recommended upper limits (ppm)		
		µM	ppm	Drinking	Livestock	Irrigation
	Nickel	0.00	0.00	0.10	-	0.2
	Zinc	0.04	0.00	5.00	24	2
	Cobalt	0.00	0.00	-	1	0.05
	Cadmium	0.00	0.00	0.01	-	-
Trace Elements						
	lead	0.000	0.000	0.015	-	-

Values near detection limit may be false-positive

Hydrocarbons, Volatiles, and Pesticides

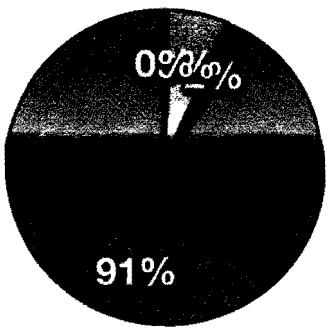
Type	Chemical	Your Sample (ppb)	recommended upper limits (ppb)

Cations



- Cations Sodium
- Ammonium
- Calcium
- Potassium
- Magnesium
- Strontium

Anions



- Anions Fluoride
- Nitrate
- Chlorate
- Chloride
- Phosphate
- Carbonate
- Bromide
- Sulfate
- Nitrite
- Silicates

Notes:

Stevens Ecology uses procedures established by EPA, AOAC, APHA, AWWA, WPCF, and those documented and validated in our laboratory.

Recommendations are based on guidelines published by EPA and USDA and are presented here as a convenience to the customer. Stevens Ecology makes no recommendations and makes no warranty to the accuracy or applicability of such recommendations supplied by others.

ppm = milligrams per kilogram

μM = micromoles per liter

cfu = colony forming units (nominally individual bacteria)

Where the concentration of an analyte is listed as "0" (zero) it is below the detection limit of the analytical method. Traces quantities below this limit may be present.

Certain properties may be altered by exposure to the atmosphere, or temperature fluctuation during shipment while we strive to provide accurate results, different values might be obtained from testing directly at the source

WARRANTY: Stevens Ecology guarantees to perform the services described in the product description or work order. Stevens Ecology makes no warranty of any kind regarding the results of these analyses. The client assumes all risk and liability that may arise from the use of these results. The liability of Stevens Ecology to the client for any purpose shall be limited to a sum equal to the fees paid by the client to Stevens Analytical for analysis.

We thank you for your business and hope to provide you with analytical services in the future!