

email: clientservices@alpha-labs.com

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

17 April 2020

Volcano CSD

Attn: George Barnes

PO Box 72

Volcano, CA 95689

RE: Source Chemical Monitoring

Work Order: 20C3586

Enclosed are the results of analyses for samples received by the laboratory on 03/30/20 21:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheri L. Speaks For Karen L. Lantz

Sheri Speaks

Project Manager



email: clientservices@alpha-labs.com

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728 Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922 North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303 San Diego: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510 | ELAP# 3055

Volcano CSD

Project:

Source Chemical Monitoring

P O Box 72

Project #:

0300016

Reported:

Volcano CA, 95689

Project Mgr:

George Barnes

04/17/20 06:58

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cleveland Tunnel	20C3586-01	Water	03/30/20 12:00	03/30/20 21:35
Well #1	20C3586-02	Water	03/30/20 12:10	03/30/20 21:35
Well #2	20C3586-03	Water	03/30/20 12:10	03/30/20 21:35



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Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Name:

Cleveland Tunnel

Laboratory ID:

20C3586-01

Report Date:

04/17/20 06:58

Laboratory Code:

1610

System Name: Source Name:

VOLCANO COMMUNITY SERVICE DIST

0300016-003 CLEVELAND TUNNEL-RAW

Sampled by:

George Barnes

Employed by: Volcano CSD Sample Date:

03/30/20 12:00 03/30/20 21:35

User ID:

03C

System Number:

Sample Received:

0300016

General Mineral and Physical

Data submitted to DDW via EDT

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Odor	<1.0	3	1	T.O.N.	00086	EPA 140.1	2922
Calcium	20			mg/L	00916	EPA 200.7	1551
Magnesium	5.3			mg/L	00927	EPA 200.7	1551
Potassium	2.6			mg/L	00937	EPA 200.7	1551
Sodium	7.6			mg/L	00929	EPA 200.7	1551
Fluoride	0.11	2	0.10	mg/L	00951	EPA 300.0	1551
Chloride	2.7	*		mg/L	00940	EPA 300.0	2922
Sulfate as SO4	2.2	*	0.5	mg/L	00945	EPA 300.0	2922
Color	<5.0	15		CU	00081	SM2120B	2922
Turbidity	0.30	5		NTU	82079	SM2130B	2922
Bicarbonate	98			mg/L	00440	SM2320B	1551
Carbonate	<5.0			mg/L	00445	SM2320B	1551
Hydroxide	<5.0			mg/L	71830	SM2320B	1551
Total Alkalinity as CaCO3	80			mg/L	00410	SM2320B	1551
Hardness, Total	71			mg/L	00900	SM2340B	1551
Specific Conductance (EC)	180	*		umhos/cm	00095	SM2510B	2922
Total Dissolved Solids	160	*		mg/L	70300	SM2540C	2922
pH	6.68			pH Units	00403	SM4500-H+ B	2922
MBAS, calculated as LAS, mw 340	<0.050	0.5		mg/L	38260	SM5540C	1551

Inorganic Chemicals

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Iron	<100	300	100	ug/L	01045	EPA 200.7	1551
Aluminum	<50	1000	50	ug/L	01105	EPA 200.8	1551
Antimony	<6.0	6	6.0	ug/L	01097	EPA 200.8	1551
Arsenic	<2.0	10	2.0	ug/L	01002	EPA 200.8	1551
Barium	<100	1000	100	ug/L	01007	EPA 200.8	1551
Beryllium	<1.0	4	1.0	ug/L	01012	EPA 200.8	1551
Cadmium	<1.0	5	1.0	ug/L	01027	EPA 200.8	1551
Chromium	<10	50	10	ug/L	01034	EPA 200.8	1551
Copper	<50	1000	50	ug/L	01042	EPA 200.8	1551



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Sample Name: Laboratory ID:

Cleveland Tunnel

20C3586-01

Report Date:

04/17/20 06:58

Laboratory Code:

Sample Date:

1610

System Name: Source Name: VOLCANO COMMUNITY SERVICE DIST

0300016-003 CLEVELAND TUNNEL-RAW

Sampled by: Employed by:

George Barnes

Volcano CSD

Sample Received:

03/30/20 12:00 03/30/20 21:35

User ID:

03C

System Number:

0300016

Data submitted to DDW via EDT

Inorganic Chemicals

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#	
Lead	<5.0		5.0	ug/L	01051	EPA 200.8	1551	
Manganese	<20	50	20	ug/L	01055	EPA 200.8	1551	
Nickel	<10	100	10	ug/L	01067	EPA 200.8	1551	
Selenium	<5.0	50	5.0	ug/L	01147	EPA 200.8	1551	
Silver	<10	100	10	ug/L	01077	EPA 200.8	1551	
Thallium	<1.0	2	1.0	ug/L	01059	EPA 200.8	1551	
Zinc	<50	5000	50	ug/L	01092	EPA 200.8	1551	
Mercury	<1.0	2	1.0	ug/L	71900	EPA 245.1	1551	

Inorganic: Additional Analyses

Parameter	Result	MCL DLR	Units	Storet	Test Method	ELAP#
Aggressive Index	10.28		NU	82383	AWWA	1551



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Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Name:

Well #1

Laboratory ID:

20C3586-02

Report Date:

04/17/20 06:58

Laboratory Code:

Sample Date:

1610

System Name:

VOLCANO COMMUNITY SERVICE DIST

Source Name:

0300016-001 VOLCANO CSD WELL 01

Sampled by: Employed by: George Barnes

Volcano CSD

Sample Received:

03/30/20 12:10 03/30/20 21:35

User ID:

03C

System Number:

0300016

Data submitted to DDW via EDT

General Mineral and Physical

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Color	8.0	15		CU	00081	SM2120B	2922
Turbidity	4.5	5		NTU	82079	SM2130B	2922
Specific Conductance (EC)	450	*		umhos/cm	00095	SM2510B	1551
Inorganic Chemicals							
Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Iron	620	300	100	ug/L	01045	EPA 200.7	1551
Manganese	<20	50	20	ug/L	01055	EPA 200.8	1551

Inorganic: Additional Analyses

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Perchlorate	<4.0	6	4.0	ua/l	A-031	FPA 314 0	1551



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01055

EPA 200.8

1551

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Name:

Well #2

Laboratory ID:

20C3586-03

Report Date:

04/17/20 06:58

Laboratory Code:

1610

System Name:

VOLCANO COMMUNITY SERVICE DIST

Source Name:

0300016-002 VOLCANO CSD WELL 02

Sampled by:

George Barnes

Employed by:

Manganese

Volcano CSD

Sample Date: Sample Received: 03/30/20 12:10

User ID:

03/30/20 21:35

System Number:

03C 0300016

Data submitted to DDW via EDT

General Mineral and Physical

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Color	150	15		CU	00081	SM2120B	2922
Turbidity	120	5		NTU	82079	SM2130B	2922
Specific Conductance (EC)	360	*		umhos/cm	00095	SM2510B	1551
Inorganic Chemicals							
Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Iron	26000	300	100	ua/L	01045	EPA 200.7	1551

Ingrapia	A dd:4:	Analyses
Inorganic:	Additional	LANAIVSES

Parameter	Result	MCL	DLR	Units	Storet	Test Method	ELAP#
Perchlorate	<4.0	6	4.0	ua/l	A-031	FPA 314 0	1551

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

* Tiered Maximum Contaminant and/or Action Levels: Sulfate and Chloride 250-500-600 mg/L, Specific Conductance 900-1600-2200 umho/cm, TDS 500-1000-1500 mg/L.



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ELAP Certifications

Bay Area Laboratory 262 Rickenbacker Circle, Livermore, CA 94551 925-828-6226 F) 925-828-6309

Central Valley Laboratory 9090 Union Park Way #113, Elk Grove CA 95624 916-686-5190 F) 916-686-5192

Chain	of	Custody	-	Work	Orde
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Corporate Laboratory

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