

HydroFlo

Metal and Arsenic Removal
Technology, Inc.

MARTI CONTACT INFORMATION

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- **METAL & ARSENIC REMOVAL**
- **TECHNOLOGIES, INC.**
- **A Subsidiary of HydroFlo, Inc. ®**

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME

As standards (in ppb)	Total arsenic conc. before reaction	Total arsenic conc. after reaction	% Removed
10	8	-0.3	100
100	87	-0.1	100
250	217	-0.3	100
500	426	-0.1	100
1000	868	-0.1	100

MARTI TEST DATA

.25 GMS ARTI-64™ 30 MINUTES REACTION TIME

As standards (in ppb)	Total arsenic conc. before reaction	Total arsenic conc. after reaction	% Removed
10	8	0.0	100
100	87	0.3	99.65
250	217	24.8	88.57
500	426	85.1	80.52
1000	868	210.7	75.80

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME WITH SO4 ADDITION

Sulfate conc. before reaction (ppm)	Sulfate conc. after reaction (ppm)	Total arsenic conc. before reaction (ppb)	Total arsenic conc. after reaction (ppb)	% Removed
1070	1055	540.9	1.2	99.77
1303	1293	555.8	4.1	99.26
269	260	544.9	2.7	99.50
64.2	57.9	610.4	0.1	99.98

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME

Arsenate standards (ppb)	Total arsenic conc. before reaction (ppb)	Total arsenic conc. after reaction (ppb)	% Removed	Cu²⁺ conc. after reaction (ppb)
10	14	0	100	3426
100	82	1	98.78	779
250	257	0	100	325
500	428	0	100	340
1000	837	0	100	124

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME WITH SO4 ADDITION

Sulfate conc. before reaction (ppm)	Sulfate conc. after reaction (ppm)	Total arsenic conc. before reaction (ppb)	Total arsenic conc. after reaction (ppb)	% Removed	Cu²⁺ conc. after reaction (ppb)
1277.3	1268.6	430	1	99.76	206
263.6	244.6	430	0	100	10
50.3	42.7	352	0	100	10

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME

(125 ppb) spiked from the water collected from four different streams

Streams	Total arsenic conc. before reaction (ppb)	Total arsenic conc. after reaction (ppb)	% Removed	Cu²⁺ conc. before reaction (ppb)	Cu²⁺ conc. after reaction (ppb)	Sulfate conc. after reaction (ppm)
Oregon	146.3	2.9	98.00	9.1	17.5	628.0
Six Mile Drain	125.2	0	100	0.0	36.3	740.0
Casper	119.0	0	100	0.0	33.1	1439.0
Bait's	117.8	0	100	0.0	15.3	573.0

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME
(150 ppb) spiked from the water collected from four different streams

Streams	Total arsenic conc. before reaction (ppb)	Total arsenic conc. after reaction (ppb)	%Removed	Cu²⁺ conc. before reaction (ppb)	Cu²⁺ conc. after reaction (ppb)	Sulfate conc. after reaction (ppm)
Oregon	156.5	25.7	83.57	4.0	15.4	628.0
Six Mile Drain	149.6	0	100	2.9	11.9	740.0
Casper	143.6	0	100	4.4	50.2	1439.0
Bait's	142.5	0	100	0.6	14.6	573.0

MARTI TEST DATA

.5 GMS ARTI-64™ 30 MINUTES REACTION TIME
No pH adjustment

Sample	Arsenate Before Reaction (μ g/L)	Arsenate After Reaction (μ g/L)	% Removed
B-1	133.6	0.7	99.4
B-3	141.5	0.7	99.5
B-5	136.7	1.0	99.2
B-7	139.7	0.9	99.3

Sample	Arsenite Before Reaction (μ g/L)	Arsenite After Reaction (μ g/L)	% Removed
B-2	121.9	1.6	98.6
B-4	117.0	1.3	98.8
B-6	119.0	5.4	95.4
B-8	121.0	0.3	99.7