

**Client Name:** Sunoco, Inc.

**Photo Date:** April and May 2010

**Project:** Sunoco Mt. Diablo, ACP



**Photograph B-31:** Northern waste dump.



**Photograph B-32:** Calcine tailings.

Client Name: Sunoco, Inc.

Photo Date: April and May 2010

Project: Sunoco Mt. Diablo, ACP



*Photograph B-33: Bradley waste pile above lower pond.*

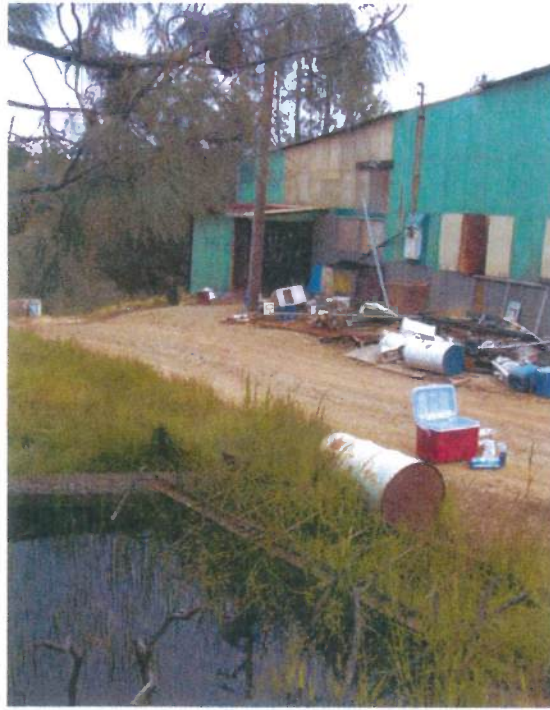


*Photograph B-34: Looking downhill from Ore House spring.*

**Client Name:** Sunoco, Inc.

**Photo Date:** April and May 2010

**Project:** Sunoco Mt. Diablo, ACP



**Photograph B-35:** Ore House spring.



**Photograph B-36:** Weir on My Creek below retention pond (sample location SW-13).

Client Name: Sunoco, Inc.

Photo Date: April and May 2010

Project: Sunoco Mt. Diablo, ACP



**Photograph B-37:** *Weir on My Creek below retention pond (sample location SW-13).*



**Photograph B-38:** *Storm water runoff outlet piping from upper mine workings area.*

**Client Name:** Sunoco, Inc.

**Photo Date:** April and May 2010

**Project:** Sunoco Mt. Diablo, ACP



**Photograph B-39:** Storm water runoff outlet piping from upper mine workings area.



**Photograph B-40:** Storm water runoff outlet piping from upper mine workings area.

**Client Name:** Sunoco, Inc.

**Photo Date:** April and May 2010

**Project:** Sunoco Mt. Diablo, ACP



**Photograph B-41:** Mt. Diablo State Park spring (sample location SW-04).



**Photograph B-42:** Surface water runoff channel to upper pond.

**Client Name:** Sunoco, Inc.

**Photo Date:** April and May 2010

**Project:** Sunoco Mt. Diablo, ACP



**Photograph B-43:** Surface water runoff channel from upper Bradley tailings pile (sample location SW-02).



**Photograph B-44:** Bradley runoff waste pile.

# APPENDIX C



**APPENDIX C**

**2010 SAMPLING PROGRAM CHAIN OF CUSTODY AND LABORATORY REPORTS**



04/27/10

Technical Report for

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The Source Group

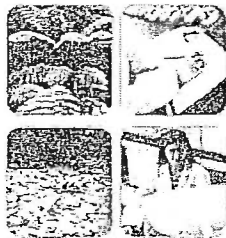
Mt. Diablo- Marsh Creek Road

01-SUN-050

Accutest Job Number: C10601

Sampling Date: 04/12/10

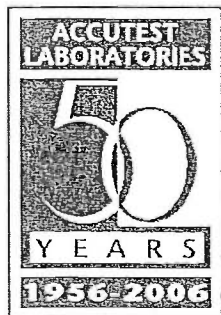
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Report to:

The Source Group  
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Total number of pages in report: 61



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.

Laurie Glantz-Murphy  
Laboratory Director

Client Service contact: Anne Kathain 408-588-0200

Certifications: CA (08258CA)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



-1-

Section 1: Sample Summary .....	3
Section 2: Sample Results .....	5
2.1: C10601-1: MTD-SW-01 .....	6
2.2: C10601-1F: MTD-SW-01 .....	8
2.3: C10601-2: MTD-SW-02 .....	9
2.4: C10601-2F: MTD-SW-02 .....	11
2.5: C10601-3: MTD-SW-03 .....	12
2.6: C10601-3F: MTD-SW-03 .....	14
2.7: C10601-4: MTD-SW-04 .....	15
2.8: C10601-4F: MTD-SW-04 .....	17
2.9: C10601-5: MTD-SW-05 .....	18
2.10: C10601-5F: MTD-SW-05 .....	20
2.11: C10601-6: MTD-SW-06 .....	21
2.12: C10601-6F: MTD-SW-06 .....	23
2.13: C10601-7: MTD-SW-07 .....	24
2.14: C10601-7F: MTD-SW-07 .....	26
2.15: C10601-8: MTD-SW-08 .....	27
2.16: C10601-8F: MTD-SW-08 .....	29
2.17: C10601-9: MTD-SW-09 .....	30
2.18: C10601-9F: MTD-SW-09 .....	32
2.19: C10601-10: MTD-SW-10 .....	33
2.20: C10601-10F: MTD-SW-10 .....	35
Section 3: Misc. Forms .....	36
3.1: Chain of Custody .....	37
Section 4: Metals Analysis - QC Data Summaries .....	39
4.1: Prep QC MP2279: Hg .....	40
4.2: Prep QC MP2298: Hg .....	44
4.3: Prep QC MP2300: Sb,As,Be,B,Cd,Ca,Cr,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Si,Ag,Na,Tl,Zn .....	48
Section 5: General Chemistry - QC Data Summaries .....	56
5.1: Method Blank and Spike Results Summary .....	57
5.2: Blank Spike Duplicate Results Summary .....	58
5.3: Duplicate Results Summary .....	59
5.4: Matrix Spike Results Summary .....	60
5.5: Matrix Spike Duplicate Results Summary .....	61



## Sample Summary

The Source Group

Mt. Diablo- Marsh Creek Road  
Project No: 01-SUN-050

Job No: C10601

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
C10601-1	04/12/10	13:55 NCJP	04/13/10	AQ	Surface Water	MTD-SW-01
C10601-1F	04/12/10	13:55 NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-01
C10601-2	04/12/10	14:25 NCJP	04/13/10	AQ	Surface Water	MTD-SW-02
C10601-2F	04/12/10	14:25 NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-02
C10601-3	04/12/10	14:15 NCJP	04/13/10	AQ	Surface Water	MTD-SW-03
C10601-3F	04/12/10	14:15 NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-03
C10601-4	04/12/10	14:35 NCJP	04/13/10	AQ	Surface Water	MTD-SW-04
C10601-4F	04/12/10	14:35 NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-04
C10601-5	04/12/10	15:10 NCJP	04/13/10	AQ	Surface Water	MTD-SW-05
C10601-5F	04/12/10	15:10 NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-05
C10601-6	04/12/10	13:35 NCJP	04/13/10	AQ	Surface Water	MTD-SW-06
C10601-6F	04/12/10	13:35 NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-06
C10601-7	04/12/10	15:30 NCJP	04/13/10	AQ	Surface Water	MTD-SW-07



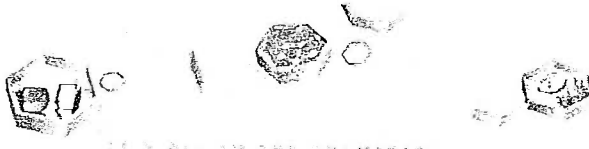
### Sample Summary (continued)

The Source Group

Job No: C10601

Mt. Diablo- Marsh Creek Road  
Project No: 01-SUN-050

Sample Number	Collected Date	Time By	NCJP	Received	Matrix Code	Type	Client Sample ID
C10601-7F	04/12/10	15:30	NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-07
C10601-8	04/12/10	14:45	NCJP	04/13/10	AQ	Surface Water	MTD-SW-08
C10601-8F	04/12/10	14:45	NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-08
C10601-9	04/12/10	15:00	NCJP	04/13/10	AQ	Surface Water	MTD-SW-09
C10601-9F	04/12/10	15:00	NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-09
C10601-10	04/12/10	15:20	NCJP	04/13/10	AQ	Surface Water	MTD-SW-10
C10601-10F	04/12/10	15:20	NCJP	04/13/10	AQ	Surface H2O Filtered	MTD-SW-10



Sample Results

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Report of Analysis

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### Report of Analysis

Client Sample ID: MTD-SW-01	Date Sampled: 04/12/10
Lab Sample ID: C10601-1	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

**Total Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	10.1	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	72.0	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	18700	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	12.1	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	12.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	2140	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	13700	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	584	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	2.2	0.20	ug/l	1	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	1320	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	1850	500	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	4120	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	1670	100	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	28.2	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1166
- (2) Instrument QC Batch: MA1183
- (3) Prep QC Batch: MP2279
- (4) Prep QC Batch: MP2300

RL = Reporting Limit

## Report of Analysis



Client Sample ID:	MTD-SW-01	Date Sampled:	04/12/10
Lab Sample ID:	C10601-1	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

**General Chemistry**

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	04/13/10 20:03	HD	EPA 300/SW846 9056A
Chloride	1.1	0.50	mg/l	1	04/13/10 20:03	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	2.4	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	04/13/10 20:03	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	103	0.33	mg/l	1	04/26/10 15:58	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	04/13/10 20:03	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	8.8	0.11	mg/l	1	04/26/10 15:58	CT	SW846 6010B
Solids, Total Dissolved	224	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	341	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	191	5.0	mg/l	10	04/15/10 20:22	HD	EPA 300/SW846 9056A
Turbidity	13.0	0.50	NTU	1	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	3.95		su	1	04/13/10 11:40	PH	SM18 4500H+ B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit



## Report of Analysis

Client Sample ID: MTD-SW-01	Date Sampled: 04/12/10
Lab Sample ID: C10601-1F	Date Received: 04/13/10
Matrix: AQ - Surface H2O Filtered	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

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RL = Reporting Limit



## Report of Analysis

Client Sample ID: MTD-SW-02		Date Sampled: 04/12/10
Lab Sample ID: C10601-2		Date Received: 04/13/10
Matrix: AQ - Surface Water		Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road		

**Total Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	19.3	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	119	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	13900	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	130000	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	770	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	235	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	392000	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead <sup>a</sup>	< 10	10	ug/l	2	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	205000	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	5720	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	179	5.0	ug/l	25	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	23900	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	8680	500	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	29900	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	186000	100	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	646	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1166
- (2) Instrument QC Batch: MA1183
- (3) Prep QC Batch: MP2279
- (4) Prep QC Batch: MP2300

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-02	Date Sampled:	04/12/10
Lab Sample ID:	C10601-2	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	0.54	0.20	mg/l	1	04/13/10 20:21	HD	EPA 300/SW846 9056A
Chloride	163	25	mg/l	50	04/15/10 20:39	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	4.9	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	0.39	0.10	mg/l	1	04/13/10 20:21	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>a</sup>	1170	0.33	mg/l	1	04/26/10 16:03	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	1.6	0.10	mg/l	1	04/13/10 20:21	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	64.0	0.11	mg/l	1	04/26/10 16:03	CT	SW846 6010B
Solids, Total Dissolved	4450	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	5160	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	4570	250	mg/l	500	04/20/10 17:32	HD	EPA 300/SW846 9056A
Turbidity	7.7	0.50	NTU	1	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	2.60		su	1	04/13/10 11:43	PH	SM18 4500H+ B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis



Client Sample ID:	MTD-SW-02	Date Sampled:	04/12/10
Lab Sample ID:	C10601-2F	Date Received:	04/13/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	175	5.0	ug/l	25	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-03	Date Sampled:	04/12/10
Lab Sample ID:	C10601-3	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	112	40	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Arsenic	530	40	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Beryllium	8.3	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Boron	2660	200	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Cadmium	< 6.0	6.0	ug/l	3	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Calcium	124000	200	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Chromium	2790	20	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Copper	632	20	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Iron	1600000	200	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Lead	< 20	20	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Magnesium	414000	200	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Manganese	13000	20	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Mercury	73.6	2.0	ug/l	10	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	73400	20	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Potassium	2730	2000	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Selenium	< 60	60	ug/l	3	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Silicon	37300	200	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Silver	< 15	15	ug/l	3	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Sodium	34600	400	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 60	60	ug/l	3	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Zinc	2160	40	ug/l	4	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>

- (1) Instrument QC Batch: MA1166  
(2) Instrument QC Batch: MA1179  
(3) Instrument QC Batch: MA1183  
(4) Prep QC Batch: MP2279  
(5) Prep QC Batch: MP2300

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID: MTD-SW-03	Date Sampled: 04/12/10
Lab Sample ID: C10601-3	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide <sup>a</sup>	< 0.40	0.40	mg/l	2	04/14/10 10:38	HD	EPA 300/SW846 9056A
Chloride	53.5	2.5	mg/l	5	04/15/10 21:14	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	7.6	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride <sup>a</sup>	1.2	0.20	mg/l	2	04/14/10 10:38	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>b</sup>	2010	1.3	mg/l	1	04/26/10 16:14	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate <sup>a</sup>	< 0.20	0.20	mg/l	2	04/14/10 10:38	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>c</sup>	79.8	0.43	mg/l	1	04/26/10 16:14	CT	SW846 6010B
Solids, Total Dissolved	16000	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	9710	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	13400	500	mg/l	1000	04/20/10 17:49	HD	EPA 300/SW846 9056A
Turbidity	84.0	2.5	NTU	5	04/13/10 13:18	PH	SM18 2130B
pH <sup>d</sup>	2.23		su	1	04/13/10 11:44	PH	SM18 4500H+ B

(a) Elevated detection limit due to matrix interference.

(b) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(c) Calculated as: (Silicon \* 2.139)

(d) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> MTD-SW-03	<b>Date Sampled:</b> 04/12/10
<b>Lab Sample ID:</b> C10601-3F	<b>Date Received:</b> 04/13/10
<b>Matrix:</b> AQ - Surface H2O Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> Mt. Diablo- Marsh Creek Road	

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	34.7	2.0	ug/l	10	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-04	Date Sampled:	04/12/10
Lab Sample ID:	C10601-4	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	2680	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	23600	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	18.4	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	6.9	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	6840	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	21700	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	79.6	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	0.45	0.20	ug/l	1	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	165	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	4120	500	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	11600	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	37600	100	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	< 10	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

(1) Instrument QC Batch: MA1166

(2) Instrument QC Batch: MA1183

(3) Prep QC Batch: MP2279

(4) Prep QC Batch: MP2300

RL = Reporting Limit



Report of Analysis

Client Sample ID: MTD-SW-04	Date Sampled: 04/12/10
Lab Sample ID: C10601-4	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	111	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	111	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	04/13/10 20:56	HD	EPA 300/SW846 9056A
Chloride	35.3	2.5	mg/l	5	04/15/10 21:49	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	8.3	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	04/13/10 20:56	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	148	0.33	mg/l	1	04/26/10 16:20	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	0.56	0.10	mg/l	1	04/13/10 20:56	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	24.8	0.11	mg/l	1	04/26/10 16:20	CT	SW846 6010B
Solids, Total Dissolved	291	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	468	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	68.3	2.5	mg/l	5	04/15/10 21:49	HD	EPA 300/SW846 9056A
Turbidity	48.8	1.0	NTU	2	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	7.69		su	1	04/13/10 11:46	PH	SM18 4500H+ B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit



### Report of Analysis

Client Sample ID:	MTD-SW-04	Date Sampled:	04/12/10
Lab Sample ID:	C10601-4F	Date Received:	04/13/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	0.33	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit

## Report of Analysis

Client Sample ID: MTD-SW-05	Date Sampled: 04/12/10
Lab Sample ID: C10601-5	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

## Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Arsenic <sup>a</sup>	< 50	50	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Boron	98700	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Calcium	449000	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Chromium	11.2	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Copper	21.6	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Iron	18300	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Lead	< 25	25	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Magnesium	400000	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Manganese	6350	25	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Mercury	7.9	0.20	ug/l	1	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	8760	25	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Potassium	43500	2500	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Silicon	11800	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Sodium	1190000	500	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Zinc	205	50	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>

(1) Instrument QC Batch: MA1166

(2) Instrument QC Batch: MA1179

(3) Instrument QC Batch: MA1183

(4) Prep QC Batch: MP2279

(5) Prep QC Batch: MP2300

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-05	Date Sampled:	04/12/10
Lab Sample ID:	C10601-5	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	127	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	127	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	5.7	0.20	mg/l	1	04/13/10 21:13	HD	EPA 300/SW846 9056A
Chloride	1490	250	mg/l	500	04/15/10 23:17	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	2.8	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride <sup>a</sup>	< 0.50	0.50	mg/l	5	04/15/10 23:34	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>b</sup>	2770	1.7	mg/l	1	04/26/10 17:03	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	4.2	0.10	mg/l	1	04/13/10 21:13	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>c</sup>	25.2	0.53	mg/l	1	04/26/10 17:03	CT	SW846 6010B
Solids, Total Dissolved	6790	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	9220	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	3040	250	mg/l	500	04/15/10 23:17	HD	EPA 300/SW846 9056A
Turbidity	127	2.5	NTU	5	04/13/10 13:18	PH	SM18 2130B
pH <sup>d</sup>	7.16		su	1	04/13/10 11:51	PH	SM18 4500H+ B

(a) Elevated detection limit due to high concentration of Chloride.

(b) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(c) Calculated as: (Silicon \* 2.139)

(d) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

Client Sample ID:	MTD-SW-05	Date Sampled:	04/12/10
Lab Sample ID:	C10601-5F	Date Received:	04/13/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	9.4	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit

Report of Analysis



Client Sample ID: MTD-SW-06	Date Sampled: 04/12/10
Lab Sample ID: C10601-6	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	61.5	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	53.2	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	712	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	18800	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	52.5	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	33.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	22800	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	6.8	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	25300	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	648	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	31.9	1.2	ug/l	6	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	1590	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	4890	500	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	24300	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	11400	100	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	78.1	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1166
- (2) Instrument QC Batch: MA1183
- (3) Prep QC Batch: MP2279
- (4) Prep QC Batch: MP2300

RL = Reporting Limit

Report of Analysis

Client Sample ID: MTD-SW-06	Date Sampled: 04/12/10
Lab Sample ID: C10601-6	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	04/13/10 21:31	HD	EPA 300/SW846 9056A
Chloride	8.8	1.3	mg/l	2.5	04/15/10 23:52	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	4.5	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	04/13/10 21:31	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	151	0.33	mg/l	1	04/26/10 16:25	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	0.48	0.10	mg/l	1	04/13/10 21:31	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	52.0	0.11	mg/l	1	04/26/10 16:25	CT	SW846 6010B
Solids, Total Dissolved	242	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	346	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	134	5.0	mg/l	10	04/16/10 00:09	HD	EPA 300/SW846 9056A
Turbidity	180	2.5	NTU	5	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	6.08		su	1	04/13/10 11:55	PH	SM18 4500H+ B

- (a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)
- (b) Calculated as: (Silicon \* 2.139)
- (c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-06	Date Sampled:	04/12/10
Lab Sample ID:	C10601-6F	Date Received:	04/13/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	0.30	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit



Report of Analysis

Client Sample ID: MTD-SW-07	Date Sampled: 04/12/10
Lab Sample ID: C10601-7	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	304	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	22100	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	21.6	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	22.8	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	13200	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	12300	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	280	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	0.74	0.20	ug/l	1	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	81.8	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	3720	500	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	19900	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	9320	100	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	33.9	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1166
- (2) Instrument QC Batch: MA1183
- (3) Prep QC Batch: MP2279
- (4) Prep QC Batch: MP2300

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-07	Date Sampled:	04/12/10
Lab Sample ID:	C10601-7	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	77.4	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	77.4	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	04/13/10 21:49	HD	EPA 300/SW846 9056A
Chloride	6.5	0.50	mg/l	1	04/13/10 21:49	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	8.3	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	04/13/10 21:49	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>a</sup>	106	0.33	mg/l	1	04/26/10 16:30	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	0.26	0.10	mg/l	1	04/13/10 21:49	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	42.6	0.11	mg/l	1	04/26/10 16:30	CT	SW846 6010B
Solids, Total Dissolved	210	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	236	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	18.4	1.3	mg/l	2.5	04/16/10 00:27	HD	EPA 300/SW846 9056A
Turbidity	178	2.5	NTU	5	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	7.79		su	1	04/13/10 12:00	PH	SM18 4500H+ B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

<b>Client Sample ID:</b> MTD-SW-07	<b>Date Sampled:</b> 04/12/10
<b>Lab Sample ID:</b> C10601-7F	<b>Date Received:</b> 04/13/10
<b>Matrix:</b> AQ - Surface H2O Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> Mt. Diablo- Marsh Creek Road	

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	0.24	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit

## Report of Analysis

Client Sample ID: MTD-SW-08	Date Sampled: 04/12/10
Lab Sample ID: C10601-8	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

**Total Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	226	50	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	21700	50	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	31.0	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	33.6	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	19500	50	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	5.8	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	12500	50	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	388	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	0.61	0.20	ug/l	1	04/14/10	04/14/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	44.7	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	4170	500	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	26300	50	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	8110	100	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	48.7	10	ug/l	1	04/21/10	04/26/10 CT	SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1166
- (2) Instrument QC Batch: MA1183
- (3) Prep QC Batch: MP2279
- (4) Prep QC Batch: MP2300

RL = Reporting Limit

Report of Analysis

Client Sample ID: MTD-SW-08	Date Sampled: 04/12/10
Lab Sample ID: C10601-8	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	83.2	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	83.2	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	04/13/10 22:41	HD	EPA 300/SW846 9056A
Chloride	4.5	0.50	mg/l	1	04/13/10 22:41	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	8.9	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	04/13/10 22:41	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	106	0.33	mg/l	1	04/26/10 16:35	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	0.18	0.10	mg/l	1	04/13/10 22:41	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	56.3	0.11	mg/l	1	04/26/10 16:35	CT	SW846 6010B
Solids, Total Dissolved	199	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	212	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	11.9	0.50	mg/l	1	04/13/10 22:41	HD	EPA 300/SW846 9056A
Turbidity	190	5.0	NTU	10	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	7.73		su	1	04/13/10 12:12	PH	SM18 4500H+ B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit



## Report of Analysis

Client Sample ID:	MTD-SW-08	Date Sampled:	04/12/10
Lab Sample ID:	C10601-8F	Date Received:	04/13/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

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RL = Reporting Limit

Report of Analysis

Client Sample ID: MTD-SW-09	Date Sampled: 04/12/10
Lab Sample ID: C10601-9	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Arsenic	< 10	10	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Boron	73500	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Calcium	319000	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Chromium	26.3	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Copper	50.0	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Iron	13400	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Lead	< 5.0	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Magnesium	374000	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Manganese	5930	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Mercury	93.6	2.0	ug/l	10	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	11800	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Potassium	36000	500	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Silicon	13100	250	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Sodium	969000	500	ug/l	5	04/21/10	04/26/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>
Zinc	335	10	ug/l	1	04/21/10	04/22/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>5</sup>

- (1) Instrument QC Batch: MA1166
- (2) Instrument QC Batch: MA1179
- (3) Instrument QC Batch: MA1183
- (4) Prep QC Batch: MP2279
- (5) Prep QC Batch: MP2300

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-09	Date Sampled:	04/12/10
Lab Sample ID:	C10601-9	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	4.6	0.20	mg/l	1	04/13/10 22:59	HD	EPA 300/SW846 9056A
Chloride	1220	250	mg/l	500	04/16/10 01:02	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	25.7	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride <sup>a</sup>	< 0.50	0.50	mg/l	5	04/16/10 00:44	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>b</sup>	2340	1.7	mg/l	1	04/26/10 17:08	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	1.8	0.10	mg/l	1	04/13/10 22:59	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>c</sup>	28.0	0.53	mg/l	1	04/26/10 17:08	CT	SW846 6010B
Solids, Total Dissolved	6120	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	8050	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	6620	250	mg/l	500	04/16/10 01:02	HD	EPA 300/SW846 9056A
Turbidity	13.8	0.50	NTU	1	04/13/10 13:18	PH	SM18 2130B
pH <sup>d</sup>	4.50		su	1	04/13/10 12:14	PH	SM18 4500H+ B

(a) Elevated detection limit due to high concentration of Chloride.

(b) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(c) Calculated as: (Silicon \* 2.139)

(d) pH was analyzed past the 15min hold time.

RL = Reporting Limit



### Report of Analysis

<b>Client Sample ID:</b> MTD-SW-09	<b>Date Sampled:</b> 04/12/10
<b>Lab Sample ID:</b> C10601-9F	<b>Date Received:</b> 04/13/10
<b>Matrix:</b> AQ - Surface H2O Filtered	<b>Percent Solids:</b> n/a
<b>Project:</b> Mt. Diablo- Marsh Creek Road	

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	85.3	2.0	ug/l	10	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-10	Date Sampled:	04/12/10
Lab Sample ID:	C10601-10	Date Received:	04/13/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

## Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	35.4	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	23.8	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	1350	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	20200	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	25.4	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	15.6	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	9830	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	24500	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	554	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	18.0	0.80	ug/l	4	04/14/10	04/14/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	1460	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	3860	500	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	13500	50	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	19200	100	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	52.1	10	ug/l	1	04/21/10	04/26/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

(1) Instrument QC Batch: MA1166

(2) Instrument QC Batch: MA1183

(3) Prep QC Batch: MP2279

(4) Prep QC Batch: MP2300

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID: MTD-SW-10	Date Sampled: 04/12/10
Lab Sample ID: C10601-10	Date Received: 04/13/10
Matrix: AQ - Surface Water	Percent Solids: n/a
Project: Mt. Diablo- Marsh Creek Road	

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	11.9	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	04/26/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	11.9	5.0	mg/l	1	04/26/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	04/13/10 23:51	HD	EPA 300/SW846 9056A
Chloride	18.7	2.5	mg/l	5	04/16/10 01:37	HD	EPA 300/SW846 9056A
Dissolved Organic Carbon	4.8	1.0	mg/l	1	04/15/10	MF	SM18 5310C
Fluoride	0.12	0.10	mg/l	1	04/13/10 23:51	HD	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>a</sup>	151	0.33	mg/l	1	04/26/10 16:40	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	04/13/10 23:51	HD	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	28.9	0.11	mg/l	1	04/26/10 16:40	CT	SW846 6010B
Solids, Total Dissolved	267	10	mg/l	1	04/15/10	MF	SM18 2540C
Specific Conductivity	422	1.0	umhos/cm	1	04/14/10	MF	SM18 2510B/EPA 120.1
Sulfate	148	13	mg/l	25	04/16/10 01:54	HD	EPA 300/SW846 9056A
Turbidity	125	2.5	NTU	5	04/13/10 13:18	PH	SM18 2130B
pH <sup>c</sup>	6.83		su	1	04/13/10 12:17	PH	SM18 4500H+ B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-10	Date Sampled:	04/12/10
Lab Sample ID:	C10601-10F	Date Received:	04/13/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road		

### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	0.42	0.20	ug/l	1	04/20/10	04/21/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1177

(2) Prep QC Batch: MP2298

RL = Reporting Limit



Misc. Forms

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Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



# CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810  
732-329-0200 FAX: 732-329-3499/3480

Client / Reporting Information		Project Information		Requested Analysis		Matrix Codes	
Company Name: The Source Group		Project Name: ML Diablo		Requested Analysis: General Chem (Turbidity, alkalinity, TDS, EC, pH, BCL, CAR), General Chemistry (action functions), B, K, Fe, Mn, Mg, Ca, Na, Si, * hardness (Ca, Mg)		Matrix Codes: DW-Drinking Water, GW-Ground Water, SW-Surface Water, SO-Soil, SL-Sludge, OL-Oil	
Address: 3451C Vinecent Road, Pleasant Hill, California 94523		Street: Marsh Creek Road, City: Clayton, State: CA		Requested Analysis: Mercury (dissolved/total), Priority Pollutant Metals, Methyl Mercury, General Chem (Turbidity, alkalinity, TDS, EC, pH, BCL, CAR), General Chemistry (action functions), B, K, Fe, Mn, Mg, Ca, Na, Si, * hardness (Ca, Mg)		Matrix Codes: DW-Drinking Water, GW-Ground Water, SW-Surface Water, SO-Soil, SL-Sludge, OL-Oil	
Project Contact: Jon Phillip, jphillip@thesourcegroup.net		Project #: 01-SUN-050		Requested Analysis: Mercury (dissolved/total), Priority Pollutant Metals, Methyl Mercury, General Chem (Turbidity, alkalinity, TDS, EC, pH, BCL, CAR), General Chemistry (action functions), B, K, Fe, Mn, Mg, Ca, Na, Si, * hardness (Ca, Mg)		Matrix Codes: DW-Drinking Water, GW-Ground Water, SW-Surface Water, SO-Soil, SL-Sludge, OL-Oil	
Phone #: 925-944-2856 x316		Fax #: 925-944-2859		Requested Analysis: Mercury (dissolved/total), Priority Pollutant Metals, Methyl Mercury, General Chem (Turbidity, alkalinity, TDS, EC, pH, BCL, CAR), General Chemistry (action functions), B, K, Fe, Mn, Mg, Ca, Na, Si, * hardness (Ca, Mg)		Matrix Codes: DW-Drinking Water, GW-Ground Water, SW-Surface Water, SO-Soil, SL-Sludge, OL-Oil	
Sampler's Name: NCJP		Client Purchase Order #: 01-SUN-050		Requested Analysis: Mercury (dissolved/total), Priority Pollutant Metals, Methyl Mercury, General Chem (Turbidity, alkalinity, TDS, EC, pH, BCL, CAR), General Chemistry (action functions), B, K, Fe, Mn, Mg, Ca, Na, Si, * hardness (Ca, Mg)		Matrix Codes: DW-Drinking Water, GW-Ground Water, SW-Surface Water, SO-Soil, SL-Sludge, OL-Oil	
Accutest Sample #		Collection		Number of preserved Bottles		LAB USE ONLY	
Field ID / Point of Collection	SUMMA #	MEOH Vial #	Date	Time	Sampled by	Matrix	# of bottles
MTD-SW-01			12-Apr	13:55	NCJP	sw	3
MTD-SW-02			12-Apr	14:25	NCJP	sw	3
MTD-SW-03			12-Apr	14:15	NCJP	sw	3
MTD-SW-04			12-Apr	14:35	NCJP	sw	3
MTD-SW-05			12-Apr	15:10	NCJP	sw	3
MTD-SW-06			12-Apr	13:35	NCJP	sw	3
MTD-SW-07			12-Apr	15:30	NCJP	sw	3
MTD-SW-08			12-Apr	14:45	NCJP	sw	3
MTD-SW-09			12-Apr	15:00	NCJP	sw	3
MTD-SW-10			12-Apr	15:20	NCJP	sw	3
Turnaround Time (Business days)		Data Deliverable Information		Comments / Remarks			
<input checked="" type="checkbox"/> Std. 15 Business Days <input type="checkbox"/> 10 Day RUSH <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Commercial "A" <input checked="" type="checkbox"/> Commercial "B" <input type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> Other		<input type="checkbox"/> FULL CLP <input type="checkbox"/> NYSSP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format		Commercial "A" = Results Only Samples not filtered Cooler #1: 4.5 + 0.3 = 4.8 °C Cooler #2: 3.1 + 0.3 = 3.4 °C	
Emergency TIA data available VIA Lablink							
Sample Custody must be documented below each time samples change possession, including courier delivery.							
Relinquished by:	Date Time:	Received by:	Date Time:	Relinquished by:	Date Time:	Received by:	Date Time:
3	9:00 4/13/10	1		2	9:57 4/13/10	2	
5		3		4		4	
Custody Seal #				Preserved where applicable			
				On Ice <input checked="" type="checkbox"/> Cooler Temp. 2-coolers rec'd			

C10601: Chain of Custody  
Page 1 of 2





Metals Analysis

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QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries



BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2279  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 04/14/10

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.02	.02	-0.020	<0.20

Associated samples MP2279: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

4.1.1  
4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2279  
Matrix Type: AQUEOUS

Methods: EPA 245.I  
Units: ug/l

Prep Date: 04/14/10

Metal	C10601-1 Original MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	2.2	6.0	4	95.0 70-130

Associated samples MP2279: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

4.1.2



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2279  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 04/14/10

Metal	C10601-1		SpikeLot		MSD	QC
	Original	MSD	HGPWS1	% Rec	RPD	Limit
Mercury	2.2	5.9	4	92.5	1.7	20

Associated samples MP2279: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

4.1.2  
4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2279  
 Matrix Type: AQUEOUS

Methods: EPA 245.1  
 Units: ug/l

Prep Date: 04/14/10 04/14/10

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits	BSD Result	Spikelot HGPWS1	% Rec	BSD RPD	QC Limit
Mercury	2.0	2	100.0	85-115	2.0	2	100.0	0.0	

Associated samples MP2279: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

4.1.3



BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2298  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 04/20/10

Metal	RL	IDL	MDL	MB	
				raw	final
Mercury	0.20	.02	.02	0.058	<0.20

Associated samples MP2298: C10601-1F, C10601-2F, C10601-3F, C10601-4F, C10601-5F, C10601-6F, C10601-7F, C10601-8F, C10601-9F, C10601-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

4.2.1



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
Account: SGRPCAFH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2298  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 04/20/10

Metal	C10601-9F Original MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	85.3 92.5	4	180.0(a)	70-130

Associated samples MP2298: C10601-1F, C10601-2F, C10601-3F, C10601-4F, C10601-5F, C10601-6F, C10601-7F, C10601-8F, C10601-9F, C10601-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

4.2.2



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2298  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 04/20/10

Metal	C10601-9F		Spikelot		MSD	QC
	Original	MSD	HGPWS1	% Rec	RPD	Limit
Mercury	85.3	97.6	4	307.0(a)	5.4	20

Associated samples MP2298: C10601-1F, C10601-2F, C10601-3F, C10601-4F, C10601-5F, C10601-6F, C10601-7F, C10601-8F, C10601-9F, C10601-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

4.2.2



SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2298  
 Matrix Type: AQUEOUS

Methods: EPA 245.1  
 Units: ug/l

Prep Date: 04/20/10 04/20/10

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits	BSD Result	Spikelot HGPWS1	% Rec	BSD RPD	QC Limit
Mercury	2.0	2	100.0	85-115	2.0	2	100.0	0.0	

Associated samples MP2298: C10601-1F, C10601-2F, C10601-3F, C10601-4F, C10601-5F, C10601-6F, C10601-7F, C10601-8F, C10601-9F, C10601-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

4.2.3  
 4



BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date: 04/21/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	14	21		
Antimony	10	6.9	5.3	6.2	<10
Arsenic	10	4.4	3.1	-2.7	<10
Barium	5.0	.6	.7		
Beryllium	5.0	.1	.2	0.0	<5.0
Boron	50	8.6	11	3.0	<50
Cadmium	2.0	.3	.3	0.40	<2.0
Calcium	50	29	12	16.9	<50
Chromium	5.0	.4	.6	0.20	<5.0
Cobalt	5.0	.4	.4		
Copper	5.0	.8	1.1	-0.10	<5.0
Iron	50	2.6	18	3.3	<50
Lead	5.0	3.3	1.3	0.50	<5.0
Lithium	10	2.2	2.5		
Magnesium	50	9.6	13	24.3	<50
Manganese	5.0	.1	.2	0.10	<5.0
Molybdenum	5.0	1.3	1		
Nickel	5.0	.8	.5	-0.10	<5.0
Potassium	500	58	60	24.8	<500
Selenium	20	14	12	3.1	<20
Silicon	50	3.4	5.3	-0.60	<50
Silver	5.0	.9	.7	0.60	<5.0
Sodium	100	15	13	6.8	<100
Strontium	10	.3	2.4		
Thallium	20	6.5	6.4	2.6	<20
Tin	50	2.3	2		
Titanium	2.0	.2	.2		
Vanadium	5.0	.7	.5		
Zinc	10	.9	1.1	-0.10	<10

Associated samples MP2300: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

4.3.1



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 04/21/10

4.3.2



Metal	C10680-1		Spike lot		QC
	Original	MS	MPIR1	% Rec	Limits
Aluminum	anr				
Antimony	15.9	522	500	101.2	80-120
Arsenic	0.0	516	500	103.2	80-120
Barium					
Beryllium	0.0	515	500	103.0	80-120
Boron	117	642	500	105.0	80-120
Cadmium	11.3	517	500	101.1	80-120
Calcium	22900	23600	500	140.0(a)	80-120
Chromium	16.5	508	500	98.3	80-120
Cobalt					
Copper	67.9	595	500	105.4	80-120
Iron	1650	2130	500	96.0	80-120
Lead	12.1	517	500	101.0	80-120
Lithium					
Magnesium	13900	14500	500	120.0	80-120
Manganese	305	816	500	102.2	80-120
Molybdenum					
Nickel	31.9	526	500	98.8	80-120
Potassium	3520	8580	5000	101.2	80-120
Selenium	0.0	493	500	98.6	80-120
Silicon	4050	4390	250	136.0(a)	80-120
Silver	2.7	528	500	105.1	80-120
Sodium	113000	116000	500	600.0(a)	80-120
Strontium					
Thallium	0.0	470	500	94.0	80-120
Tin					
Titanium					
Vanadium					
Zinc	128	639	500	102.2	80-120

Associated samples MP2300: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

information.

4.3.2

4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 04/21/10

Metal	C10680-1 Original MSD	Spikelot MPIR1	% Rec	MSD RPD	QC Limit	
Aluminum	anr					
Antimony	15.9	523	500	101.4	0.2	20
Arsenic	0.0	519	500	103.8	0.6	20
Barium						
Beryllium	0.0	519	500	103.8	0.8	20
Boron	117	649	500	106.4	1.1	20
Cadmium	11.3	519	500	101.5	0.4	20
Calcium	22900	22900	500	0.0 (a)	3.0	20
Chromium	16.5	514	500	99.5	1.2	20
Cobalt						
Copper	67.9	605	500	107.4	1.7	20
Iron	1650	2300	500	130.0N(b)	7.7	20
Lead	12.1	520	500	101.6	0.6	20
Lithium						
Magnesium	13900	14400	500	100.0	0.7	20
Manganese	305	816	500	102.2	0.0	20
Molybdenum						
Nickel	31.9	533	500	100.2	1.3	20
Potassium	3520	8620	5000	102.0	0.5	20
Selenium	0.0	491	500	98.2	0.4	20
Silicon	4050	4450	250	160.0(a)	1.4	20
Silver	2.7	534	500	106.3	1.1	20
Sodium	113000	112000	500	-200.0(a)	3.5	20
Strontium						
Thallium	0.0	467	500	93.4	0.6	20
Tin						
Titanium						
Vanadium						
Zinc	128	647	500	103.8	1.2	20

Associated samples MP2300: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery

4.3.2  


MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
Matrix Type: AQUEOUS

Methods: SW846 6010B  
Units: ug/l

Prep Date:

Metal

information.

(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

4.3.2

4

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 04/21/10 04/21/10

Metal	BSP Result	Spikelot MPIR1	% Rec	QC Limits	BSD Result	Spikelot MPIR1	% Rec	BSD RPD	QC Limit
Aluminum	anr								
Antimony	496	500	99.2	80-120	500	500	100.0	0.8	
Arsenic	493	500	98.6	80-120	494	500	98.8	0.2	
Barium									
Beryllium	496	500	99.2	80-120	494	500	98.8	0.4	
Boron	518	500	103.6	80-120	515	500	103.0	0.6	
Cadmium	502	500	100.4	80-120	498	500	99.6	0.8	
Calcium	524	500	104.8	80-120	505	500	101.0	3.7	
Chromium	493	500	98.6	80-120	490	500	98.0	0.6	
Cobalt									
Copper	476	500	95.2	80-120	478	500	95.6	0.4	
Iron	525	500	105.0	80-120	515	500	103.0	1.9	
Lead	519	500	103.8	80-120	513	500	102.6	1.2	
Lithium									
Magnesium	524	500	104.8	80-120	511	500	102.2	2.5	
Manganese	501	500	100.2	80-120	501	500	100.2	0.0	
Molybdenum									
Nickel	503	500	100.6	80-120	499	500	99.8	0.8	
Potassium	5010	5000	100.2	80-120	4970	5000	99.4	0.8	
Selenium	500	500	100.0	80-120	498	500	99.6	0.4	
Silicon	266	250	106.4	80-120	265	250	106.0	0.4	
Silver	521	500	104.2	80-120	521	500	104.2	0.0	
Sodium	514	500	102.8	80-120	502	500	100.4	2.4	
Strontium									
Thallium	476	500	95.2	80-120	473	500	94.6	0.6	
Tin									
Titanium									
Vanadium									
Zinc	490	500	98.0	80-120	487	500	97.4	0.6	

Associated samples MP2300: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

4.3.3



SERIAL DILUTION RESULTS SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date: 04/21/10

Metal	C10680-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	15.9	36.0	126.4(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium	0.00	0.00	NC	0-10
Boron	117	136	15.8 (a)	0-10
Cadmium	11.3	13.0	15.0 (a)	0-10
Calcium	22900	22800	0.2	0-10
Chromium	16.5	17.5	6.1	0-10
Cobalt				
Copper	67.9	68.0	0.1	0-10
Iron	1650	1630	1.2	0-10
Lead	12.1	0.00	100.0(a)	0-10
Lithium				
Magnesium	13900	13800	0.2	0-10
Manganese	305	304	0.6	0-10
Molybdenum				
Nickel	31.9	34.5	8.2	0-10
Potassium	3520	3570	1.2	0-10
Selenium	0.00	0.00	NC	0-10
Silicon	4050	3970	2.1	0-10
Silver	2.70	0.00	100.0(a)	0-10
Sodium	113000	113000	0.6	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium				
Zinc	128	131	2.2	0-10


Associated samples MP2300: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

4.3.4  


POST DIGESTATE SPIKE SUMMARY

Login Number: C10601  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road

QC Batch ID: MP2300  
 Matrix Type: AQUEOUS

Methods: SW846 6010B  
 Units: ug/l

Prep Date:

04/21/10

Metal	Sample ml	Final ml	C10680-1 Raw	PS Corr.** ug/l	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
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Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron	10	10.1	1652.4	1636.04	2120.7	0.05	100	495.0495	97.9	-
Lead										
Lithium										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP2300: C10601-1, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9, C10601-10

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (\*\*) Corr. sample result = Raw \* (sample volume / final volume)  
 (anr) Analyte not requested

4.3.5







IT'S ALL IN THE CHEMISTRY

General Chemistry

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QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN3656	5.0	0.0	mg/l	250	251	100.6	75-125%
Bromide	GP1649/GN3604	0.20	0.0	mg/l	5	4.95	99.0	90-110%
Chloride	GP1649/GN3604	0.50	0.0	mg/l	5	4.87	97.4	90-110%
Chloride	GP1654/GN3615	0.50	0.0	mg/l	5	4.58	91.6	90-110%
Dissolved Organic Carbon	GP1656/GN3621	1.0	0.72	mg/l	25	24.3	97.2	75-125%
Fluoride	GP1649/GN3604	0.10	0.028	mg/l	5	4.85	97.0	90-110%
Fluoride	GP1654/GN3615	0.10	0.035	mg/l	5	5.03	100.6	90-110%
Nitrogen, Nitrate	GP1649/GN3604	0.10	0.0	mg/l	5	4.76	95.2	90-110%
Nitrogen, Nitrate	GP1654/GN3615	0.10	0.0	mg/l	5	4.97	99.4	90-110%
Solids, Total Dissolved	GN3610	10	0.0	mg/l				90-110%
Specific Conductivity	GN3608	1.0	0.0	umhos/cm				
Sulfate	GP1649/GN3604	0.50	0.0	mg/l	5	4.72	94.4	90-110%
Sulfate	GP1654/GN3615	0.50	0.0	mg/l	5	4.89	97.8	90-110%
Turbidity	GN3596	0.50	0.045	NTU	40	40.9	102.2	75-125%

Associated Samples:

Batch GN3596: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3608: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3610: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3656: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GP1649: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GP1654: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-9  
 Batch GP1656: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 (\*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Alkalinity, Total as CaCO3	GN3656	mg/l	250	251	0.0	
Bromide	GP1649/GN3604	mg/l	5	4.94	0.2	25%
Chloride	GP1649/GN3604	mg/l	5	4.78	1.9	25%
Chloride	GP1654/GN3615	mg/l	5	5.11	10.9	25%
Dissolved Organic Carbon	GP1656/GN3621	mg/l	25	24.7	1.6	
Fluoride	GP1649/GN3604	mg/l	5	4.63	4.6	25%
Fluoride	GP1654/GN3615	mg/l	5	5.04	0.2	25%
Nitrogen, Nitrate	GP1649/GN3604	mg/l	5	4.77	0.2	25%
Nitrogen, Nitrate	GP1654/GN3615	mg/l	5	4.94	0.6	25%
Sulfate	GP1649/GN3604	mg/l	5	4.71	0.2	25%
Sulfate	GP1654/GN3615	mg/l	5	4.84	1.0	25%
Turbidity	GN3596	NTU	40	40.9	0.0	

5.2  


Associated Samples:

Batch GN3596: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3656: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GP1649: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GP1654: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-9  
 Batch GP1656: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 (\*) Outside of QC limits

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C10601  
Account: SGRFCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN3610	C10601-8	mg/l	199	195	2.0	0-%
Specific Conductivity	GN3608	C10601-1	umhos/cm	341	340	0.3	0-25%
Turbidity	GN3596	C10601-9	NTU	13.8	13.9	0.7	0-25%
pH	GN3593	C10600-2	su	7.37	7.30	1.0	0-25%

Associated Samples:

Batch GN3593: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3596: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3608: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 Batch GN3610: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9  
 (\*) Outside of QC limits

53  
6,7

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP1649/GN3604	C10601-9	mg/l	4.6	4	8.9	107.5	80-120%
Chloride	GP1649/GN3604	C10601-9	mg/l	0.0	4	0.0	0.0N(a)	80-120%
Chloride	GP1654/GN3615	C10601-4	mg/l	35.3	20	59.6	121.5N(b)	80-120%
Dissolved Organic Carbon	GP1656/GN3621	C10601-9	mg/l	25.7	25	46.7	84.2	75-125%
Fluoride	GP1649/GN3604	C10601-9	mg/l	0.045	4	0.0	-1.1N(a)	80-120%
Fluoride	GP1654/GN3615	C10601-4	mg/l	0.19	20	18.2	90.1	80-120%
Nitrogen, Nitrate	GP1649/GN3604	C10601-9	mg/l	1.8	4	5.9	102.5	80-120%
Nitrogen, Nitrate	GP1654/GN3615	C10601-4	mg/l	0.52	20	20.5	99.9	80-120%
Sulfate	GP1649/GN3604	C10601-9	mg/l	0.0	4	0.0	0.0N(c)	80-120%
Sulfate	GP1654/GN3615	C10601-4	mg/l	68.3	20	81.1	64.0N(b)	80-120%

Associated Samples:

Batch GP1649: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9

Batch GP1654: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-9

Batch GP1656: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery shows interference from high chloride concentration.

(b) Spike recovery indicates possible matrix interference.

(c) Spike recovery shows interference from high sulfate concentration.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C10601  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP1649/GN3604	C10601-9	mg/l	4.6	4	8.8	1.1	
Chloride	GP1649/GN3604	C10601-9	mg/l	0.0	4	0.0	0.0N(a)	
Chloride	GP1654/GN3615	C10601-4	mg/l	35.3	20	59.5	0.2N(b)	
Dissolved Organic Carbon	GP1656/GN3621	C10601-9	mg/l	25.7	25	48.7	4.2	
Fluoride	GP1649/GN3604	C10601-9	mg/l	0.045	4	0.0	0.0N(a)	
Fluoride	GP1654/GN3615	C10601-4	mg/l	0.19	20	18.3	0.5	
Nitrogen, Nitrate	GP1649/GN3604	C10601-9	mg/l	1.8	4	5.9	0.0	
Nitrogen, Nitrate	GP1654/GN3615	C10601-4	mg/l	0.52	20	20.5	0.0	
Sulfate	GP1649/GN3604	C10601-9	mg/l	0.0	4	0.0	0.0N(c)	
Sulfate	GP1654/GN3615	C10601-4	mg/l	68.3	20	80.7	0.5N(b)	

Associated Samples:

Batch GP1649: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9

Batch GP1654: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-9

Batch GP1656: C10601-1, C10601-10, C10601-2, C10601-3, C10601-4, C10601-5, C10601-6, C10601-7, C10601-8, C10601-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery shows interference from high chloride concentration.

(b) Spike recovery indicates possible matrix interference.

(c) Spike recovery shows interference from high sulfate concentration.

5  
5



Technical Report for

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The Source Group

Mt. Diablo- Marsh Creek Road

01-SUN-050

Accutest Job Number: C10601X

Sampling Date: 04/12/10

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Report to:


The Source Group  
3451C Vincent Road  
Pleasant Hill, CA 94523  
jphilipp@thesourcegroup.net

ATTN: Jon Philipp

Total number of pages in report:



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.

  
Laurie Glantz-Murphy  
Laboratory Director

Client Service contact: Anne Kathain 408-588-0200

Certifications: CA (08258CA)

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Test results relate only to samples analyzed.



### Sample Summary

The Source Group

Job No: C10601X

Mt. Diablo- Marsh Creek Road  
 Project No: 01-SUN-050

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
C10601-1X	04/12/10	13:55 NCJP	04/13/10	AQ	Surface Water	MTD-SW-01
C10601-2X	04/12/10	14:25 NCJP	04/13/10	AQ	Surface Water	MTD-SW-02
C10601-3X	04/12/10	14:15 NCJP	04/13/10	AQ	Surface Water	MTD-SW-03
C10601-4X	04/12/10	14:35 NCJP	04/13/10	AQ	Surface Water	MTD-SW-04
C10601-5X	04/12/10	15:10 NCJP	04/13/10	AQ	Surface Water	MTD-SW-05
C10601-6X	04/12/10	13:35 NCJP	04/13/10	AQ	Surface Water	MTD-SW-06
C10601-7X	04/12/10	15:30 NCJP	04/13/10	AQ	Surface Water	MTD-SW-07
C10601-8X	04/12/10	14:45 NCJP	04/13/10	AQ	Surface Water	MTD-SW-08
C10601-9X	04/12/10	15:00 NCJP	04/13/10	AQ	Surface Water	MTD-SW-09
C10601-10X	04/12/10	15:20 NCJP	04/13/10	AQ	Surface Water	MTD-SW-10





# Subcontract Data



ENVIRONMENTAL ANALYSES

Thursday, April 29, 2010

Ann Kathain  
Accutest Laboratories  
2105 Lundy Avenue  
San Jose, CA 95131

RE: Lab Order: K040531  
Project ID: MT. DIABLO

Collected By: CLIENT  
PO/Contract #: C10601

Dear Ann Kathain:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, April 13, 2010. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures

Project Manager: Mike Hamilton





## ENVIRONMENTAL ANALYSES

Lab Order: K040531  
Project ID: MT. DIABLO

## SAMPLE SUMMARY

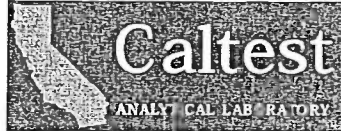
Lab ID	Sample ID	Matrix	Date Collected	Date Received
K040531001	C10601-1 MTD-SW-01	Water	4/12/2010 13:55	4/13/2010 14:51
K040531002	C10601-2 MTD-SW-02	Water	4/12/2010 14:25	4/13/2010 14:51
K040531003	C10601-3 MTD-SW-03	Water	4/12/2010 14:15	4/13/2010 14:51
K040531004	C10601-4 MTD-SW-04	Water	4/12/2010 14:35	4/13/2010 14:51
K040531005	C10601-5 MTD-SW-05	Water	4/12/2010 15:10	4/13/2010 14:51
K040531006	C10601-6 MTD-SW-06	Water	4/12/2010 13:35	4/13/2010 14:51
K040531007	C10601-7 MTD-SW-07	Water	4/12/2010 15:30	4/13/2010 14:51
K040531008	C10601-8 MTD-SW-08	Water	4/12/2010 14:45	4/13/2010 14:51
K040531009	C10601-9 MTD-SW-09	Water	4/12/2010 15:00	4/13/2010 14:51
K040531010	C10601-10 MTD-SW-10	Water	4/12/2010 15:20	4/13/2010 14:51

## REPORT OF LABORATORY ANALYSIS



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1885 North Kelly Road • Napa, California 94558  
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com



## ENVIRONMENTAL ANALYSES

## NARRATIVE

Lab Order: K040531

Project ID: MT. DIABLO

## General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that all test results for wastewater and hazardous waste analyses meet all applicable NELAC requirements; all microbiology and drinking water testing meet applicable ELAP requirements, unless stated otherwise.

All analyses performed by EPA Methods or Standard Methods (SM) 18th Ed. except where noted.

Caltest collects samples in compliance with 40 CFR, EPA Methods, Cal. Title 22, and Standard Methods.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Laboratory filtration for dissolved metals (excluding mercury) and/or pH analysis was not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - Non Detect - indicates analytical result has not been detected.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

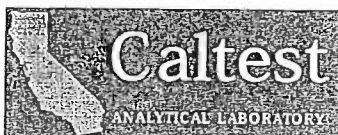
E - indicates an estimated analytical result value.

B - indicates the analyte has been detected in the blank associated with the sample.

NC - means not able to be calculated for RPD or Spike Recoveries.

SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.



ENVIRONMENTAL ANALYSIS

ANALYTICAL RESULTS

Lab Order: K040531

Project ID MT. DIABLO

Lab ID: K040531001 Date Collected: 4/12/2010 13:55 Matrix: Water  
 Sample ID: C10601-1 MTD-SW-01 Date Received: 4/13/2010 14:51

Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury Analysis								
	Prep Method:	Draft EPA 1630		Prep by: ECV				
	Analytical Method:	Draft EPA 1630				Analyzed by: ECV		
Methyl Mercury	0.0607 ng/L	0.05	0.02	1	04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113

Lab ID: K040531002 Date Collected: 4/12/2010 14:25 Matrix: Water  
 Sample ID: C10601-2 MTD-SW-02 Date Received: 4/13/2010 14:51

Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury Analysis								
	Prep Method:	Draft EPA 1630		Prep by: ECV				
	Analytical Method:	Draft EPA 1630				Analyzed by: ECV		
Methyl Mercury	0.976 ng/L	0.2	0.1	1	04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113

Lab ID: K040531003 Date Collected: 4/12/2010 14:15 Matrix: Water  
 Sample ID: C10601-3 MTD-SW-03 Date Received: 4/13/2010 14:51

Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury Analysis								
	Prep Method:	Draft EPA 1630		Prep by: ECV				
	Analytical Method:	Draft EPA 1630				Analyzed by: ECV		
Methyl Mercury	0.398 ng/L	0.2	0.1	1	04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113

Lab ID: K040531004 Date Collected: 4/12/2010 14:35 Matrix: Water  
 Sample ID: C10601-4 MTD-SW-04 Date Received: 4/13/2010 14:51

Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury Analysis								
	Prep Method:	Draft EPA 1630		Prep by: ECV				
	Analytical Method:	Draft EPA 1630				Analyzed by: ECV		
Methyl Mercury	0.328 ng/L	0.05	0.02	1	04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113

Lab ID: K040531005 Date Collected: 4/12/2010 15:10 Matrix: Water  
 Sample ID: C10601-5 MTD-SW-05 Date Received: 4/13/2010 14:51

Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury Analysis								
	Prep Method:	Draft EPA 1630		Prep by: ECV				

4/13/2010 11:32

REPORT OF LABORATORY ANALYSIS

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 (707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com





ENVIRONMENTAL ANALYSIS

ANALYTICAL RESULTS

Lab Order: K040531  
Project ID MT. DIABLO

Lab ID: K040531005 Date Collected: 4/12/2010 15:10 Matrix: Water  
Sample ID: C10601-5 MTD-SW-05 Date Received: 4/13/2010 14:51

Parameters	Result	Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
			Analytical Method: Draft EPA 1630					Analyzed by: ECV	
Methyl Mercury	1.04	ng/L	0.2	0.1	1 04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113	

Lab ID: K040531006 Date Collected: 4/12/2010 13:35 Matrix: Water  
Sample ID: C10601-6 MTD-SW-06 Date Received: 4/13/2010 14:51

Parameters	Result	Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
			Prep Method: Draft EPA 1630					Prep by: ECV	
			Analytical Method: Draft EPA 1630					Analyzed by: ECV	
Methyl Mercury	0.350	ng/L	0.2	0.1	1 04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113	

Lab ID: K040531007 Date Collected: 4/12/2010 15:30 Matrix: Water  
Sample ID: C10601-7 MTD-SW-07 Date Received: 4/13/2010 14:51

Parameters	Result	Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
			Prep Method: Draft EPA 1630					Prep by: ECV	
			Analytical Method: Draft EPA 1630					Analyzed by: ECV	
Methyl Mercury	0.736	ng/L	0.05	0.02	1 04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113	

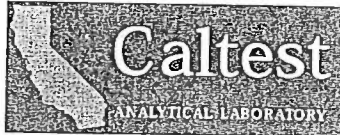
Lab ID: K040531008 Date Collected: 4/12/2010 14:45 Matrix: Water  
Sample ID: C10601-8 MTD-SW-08 Date Received: 4/13/2010 14:51

Parameters	Result	Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
			Prep Method: Draft EPA 1630					Prep by: ECV	
			Analytical Method: Draft EPA 1630					Analyzed by: ECV	
Methyl Mercury	0.389	ng/L	0.05	0.02	1 04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113	

Lab ID: K040531009 Date Collected: 4/12/2010 15:00 Matrix: Water  
Sample ID: C10601-9 MTD-SW-09 Date Received: 4/13/2010 14:51

Parameters	Result	Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
			Prep Method: Draft EPA 1630					Prep by: ECV	
			Analytical Method: Draft EPA 1630					Analyzed by: ECV	





ENVIRONMENTAL ANALYSIS

ANALYTICAL RESULTS

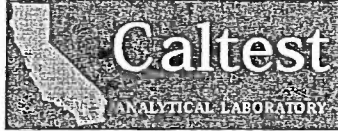
Lab Order: K040531

Project ID MT. DIABLO

Lab ID: K040531009	Date Collected: 4/12/2010 15:00	Matrix: Water						
Sample ID: C10601-9 MTD-SW-09	Date Received: 4/13/2010 14:51							
Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury	0.523 ng/L	0.2	0.1	1 04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113	

Lab ID: K040531010	Date Collected: 4/12/2010 15:20	Matrix: Water						
Sample ID: C10601-10 MTD-SW-10	Date Received: 4/13/2010 14:51							
Parameters	Result Units	R. L.	MDL	DF Prepared	Batch	Analyzed	Batch	Qual
Methyl Mercury Analysis	Prep Method: Draft EPA 1630				Prep by: ECV			
	Analytical Method: Draft EPA 1630					Analyzed by: ECV		
Methyl Mercury	0.480 ng/L	0.2	0.1	1 04/21/10 00:00	MPR 8689	04/23/10 00:00	MHG 3113	





ENVIRONMENTAL ANALYSES

QUALITY CONTROL DATA

Lab Order: K040531  
 Project ID: MT. DIABLO

Analysis Description: Methyl Mercury Analysis	QC Batch: MPR/8689
Analysis Method: Draft EPA 1630	QC Batch Method: Draft EPA 1630

METHOD BLANK: 327433

Parameter	Blank Result	Reporting Limit	MDL	Units	Qualifiers
Methyl Mercury	ND	0.05	0.02	ng/L	

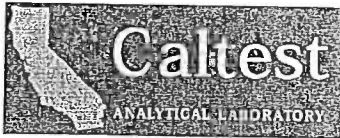
LABORATORY CONTROL SAMPLE: 327434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl Mercury	ng/L	1.11	0.966	87	67-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 327435 327436

Parameter	Units	K040637001 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Methyl Mercury	ng/L	0.0233	1.11	1.02	1.02	90	90	65-135	0	35	





ENVIRONMENTAL ANALYSES

### QUALITY CONTROL DATA QUALIFIERS

Lab Order: K040531

Project ID: MT. DIABLO

---

#### QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

NC - means not able to be calculated for RPD or Spike Recoveries.

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

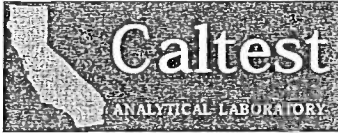
LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage



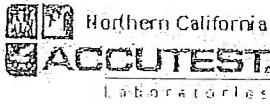
ENVIRONMENTAL ANALYSES

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: K040531

Project ID: MT. DIABLO

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
K040531001	C10601-1 MTD-SW-01	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531002	C10601-2 MTD-SW-02	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531003	C10601-3 MTD-SW-03	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531004	C10601-4 MTD-SW-04	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531005	C10601-5 MTD-SW-05	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531006	C10601-6 MTD-SW-06	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531007	C10601-7 MTD-SW-07	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531008	C10601-8 MTD-SW-08	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531009	C10601-9 MTD-SW-09	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113
K040531010	C10601-10 MTD-SW-10	Draft EPA 1630	MPR/8689	Draft EPA 1630	MHG/3113



K040531

Accutest ID and PO#: C10601

2105 Lundy Avenue, San Jose, CA 95131 Phone: (408)588-0200 Fax: (408)588-0201

### Subcontract Chain of Custody

Subcontract Lab: Caltest Analytical Laboratory

Date Sent: 04/13/10

Date Due: 10 Day TAT

10 Day TAT

Project Name: Mt. Diablo

Project Location: Clayton, CA

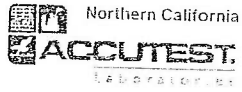
Accutest Lab Number	Customer Sample Name/Field Point ID	Matrix	Method	Collect Date	Collect Time
C10601-1	MTD-SW-01	SW	Methyl Mercury	04/12/10	13:55
C10601-2	MTD-SW-02	SW	Methyl Mercury	04/12/10	14:25
C10601-3	MTD-SW-03	SW	Methyl Mercury	04/12/10	14:15
C10601-4	MTD-SW-04	SW	Methyl Mercury	04/12/10	14:35
C10601-5	MTD-SW-05	SW	Methyl Mercury	04/12/10	15:10
C10601-6	MTD-SW-06	SW	Methyl Mercury	04/12/10	13:35
C10601-7	MTD-SW-07	SW	Methyl Mercury	04/12/10	15:30
C10601-8	MTD-SW-08	SW	Methyl Mercury	04/12/10	14:45
C10601-9	MTD-SW-09	SW	Methyl Mercury	04/12/10	15:00
C10601-10	MTD-SW-10	SW	Methyl Mercury	04/12/10	15:20

Comments:

Relinquished By: ekumar	Received By:	Date: 4/13/10	Time: 1220
Relinquished By:	Received By:	Date: 4/13/10	Time: 1451
Relinquished By:	Received By:	Date:	Time:

Send the Report to: dianet@accutest.com





06/07/10

Technical Report for

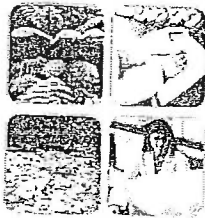
The Source Group

Mt. Diablo- Marsh Creek Road, Clayton, CA

SUNOCO

Accutest Job Number: C11216

Sampling Date: 05/27/10



Report to:

The Source Group  
3451C Vincent Road  
Pleasant Hill, CA 94523  
jphilipp@thesourcegroup.net

ATTN: Jon Philipp

Total number of pages in report: 50



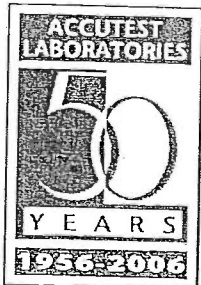
Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Laurie Glantz-Murphy  
Laboratory Director

Client Service contact: Anne Kathain 408-588-0200

Certifications: CA (08258CA) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.





# Table of Contents

-1-

Sections:



Section 1: Sample Summary .....	3
Section 2: Sample Results .....	5
2.1: C11216-1: MTD-SW-08/2 .....	6
2.2: C11216-1F: MTD-SW-08/2 .....	8
2.3: C11216-2: MTD-SW-07/2 .....	9
2.4: C11216-2F: MTD-SW-07/2 .....	11
2.5: C11216-3: MTD-SW-09/2 .....	12
2.6: C11216-3F: MTD-SW-09/2 .....	14
2.7: C11216-4: MTD-SW-10/2 .....	15
2.8: C11216-4F: MTD-SW-10/2 .....	17
2.9: C11216-5: MTD-SW-06/2 .....	18
2.10: C11216-5F: MTD-SW-06/2 .....	20
2.11: C11216-6: MTD-SW-11/2 .....	21
2.12: C11216-6F: MTD-SW-11/2 .....	23
2.13: C11216-7: MTD-SW-16/2 .....	24
2.14: C11216-7F: MTD-SW-16/2 .....	26
Section 3: Misc. Forms .....	27
3.1: Chain of Custody .....	28
Section 4: Metals Analysis - QC Data Summaries .....	30
4.1: Prep QC MP2430: Hg .....	31
4.2: Prep QC MP2431: Hg .....	35
4.3: Prep QC MP2433: Sb,As,Be,B,Cd,Ca,Cr,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Si,Ag,Na,Tl,Zn ..	39
Section 5: General Chemistry - QC Data Summaries .....	45
5.1: Method Blank and Spike Results Summary .....	46
5.2: Blank Spike Duplicate Results Summary .....	47
5.3: Duplicate Results Summary .....	48
5.4: Matrix Spike Results Summary .....	49
5.5: Matrix Spike Duplicate Results Summary .....	50



### Sample Summary

The Source Group

Mt. Diablo- Marsh Creek Road, Clayton, CA  
 Project No: SUNOCO

Job No: C11216

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
C11216-1	05/27/10	13:00 JP	05/28/10	AQ	Surface Water	MTD-SW-08/2
C11216-1F	05/27/10	13:00 JP	05/28/10	AQ	Surface H2O Filtered	MTD-SW-08/2
C11216-2	05/27/10	13:30 JP	05/28/10	AQ	Surface Water	MTD-SW-07/2
C11216-2F	05/27/10	13:30 JP	05/28/10	AQ	Surface H2O Filtered	MTD-SW-07/2
C11216-3	05/27/10	13:15 JP	05/28/10	AQ	Surface Water	MTD-SW-09/2
C11216-3F	05/27/10	13:15 JP	05/28/10	AQ	Surface H2O Filtered	MTD-SW-09/2
C11216-4	05/27/10	13:50 JP	05/28/10	AQ	Surface Water	MTD-SW-10/2
C11216-4F	05/27/10	13:50 JP	05/28/10	AQ	Surface H2O Filtered	MTD-SW-10/2
C11216-5	05/27/10	10:50 JP	05/28/10	AQ	Surface Water	MTD-SW-06/2
C11216-5F	05/27/10	10:50 JP	05/28/10	AQ	Surface H2O Filtered	MTD-SW-06/2
C11216-6	05/27/10	09:20 JP	05/28/10	AQ	Surface Water	MTD-SW-11/2
C11216-6F	05/27/10	09:20 JP	05/28/10	AQ	Surface H2O Filtered	MTD-SW-11/2
C11216-7	05/27/10	12:45 JP	05/28/10	AQ	Surface Water	MTD-SW-16/2

Accutest Laboratories



Sample Summary  
(continued)

The Source Group

Job No: C11216

Mt. Diablo- Marsh Creek Road, Clayton, CA  
Project No: SUNOCO

Sample Number	Collected		Matrix		Client Sample ID
	Date	Time By	Received	Code Type	
C11216-7F	05/27/10	12:45 JP	05/28/10	AQ Surface H2O Filtered	MTD-SW-16/2



Sample Results

---

Report of Analysis

---

Report of Analysis

Client Sample ID:	MTD-SW-08/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-1	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	486	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	41400	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	732	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	19800	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	70.5	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	< 0.20	0.20	ug/l	1	06/01/10	06/02/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	9.5	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	1560	500	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	6620	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	16100	100	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1239
- (2) Instrument QC Batch: MA1243
- (3) Prep QC Batch: MP2431
- (4) Prep QC Batch: MP2433

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MTD-SW-08/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-1	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	169	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	169	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	05/28/10 13:33	RL	EPA 300/SW846 9056A
Chloride	10.8	1.3	mg/l	2.5	06/01/10 21:52	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	4.1	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	05/28/10 13:33	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	185	0.33	mg/l	1	06/04/10 15:30	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	05/28/10 13:33	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	14.2	0.11	mg/l	1	06/04/10 15:30	CT	SW846 6010B
Solids, Total Dissolved	231	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	414	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	32.4	1.3	mg/l	2.5	06/01/10 21:52	RL	EPA 300/SW846 9056A
Turbidity	26.9	0.50	NTU	1	05/28/10 12:10	EB	SM18 2130B
pH <sup>c</sup>	7.91		su	1	05/28/10 13:12	PH	SM18 4500H+B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit



### Report of Analysis

Client Sample ID:	MTD-SW-08/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-1F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	<0.20	0.20	ug/l	1	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

- (1) Instrument QC Batch: MA1240
- (2) Prep QC Batch: MP2430

RL = Reporting Limit

Report of Analysis



Client Sample ID:	MTD-SW-07/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-2	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Boron	3120	250	ug/l	5	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Calcium	52000	250	ug/l	5	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Chromium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Copper	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Iron	665	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Magnesium	36700	250	ug/l	5	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Manganese	381	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Mercury	0.64	0.20	ug/l	1	06/01/10	06/02/10 RW	EPA 245.1 <sup>2</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	345	25	ug/l	5	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Potassium	3140	500	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silicon	5930	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Sodium	56000	500	ug/l	5	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Zinc	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>

- (1) Instrument QC Batch: MA1238
- (2) Instrument QC Batch: MA1239
- (3) Instrument QC Batch: MA1243
- (4) Prep QC Batch: MP2431
- (5) Prep QC Batch: MP2433

RL = Reporting Limit



## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-07/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-2	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	179	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	179	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	05/28/10 13:50	RL	EPA 300/SW846 9056A
Chloride	54.0	5.0	mg/l	10	06/01/10 22:45	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	4.3	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	05/28/10 13:50	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>a</sup>	281	1.7	mg/l	1	06/04/10 15:35	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	05/28/10 13:50	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	12.7	0.11	mg/l	1	06/02/10 20:09	CT	SW846 6010B
Solids, Total Dissolved	465	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	774	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	123	5.0	mg/l	10	06/01/10 22:45	RL	EPA 300/SW846 9056A
Turbidity	13.0	0.50	NTU	1	05/28/10 12:10	EB	SM18 2130B
pH <sup>c</sup>	7.69		su	1	05/28/10 13:16	PH	SM18 4500H+B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

Client Sample ID:	MTD-SW-07/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-2F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20	0.20	ug/l	1	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1240

(2) Prep QC Batch: MP2430

RL = Reporting Limit

## Report of Analysis

Client Sample ID:	MTD-SW-09/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-3	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

## Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Boron	86800	50	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Calcium	409000	2500	ug/l	50	06/02/10	06/04/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Chromium	18.7	5.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Copper	43.2	5.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Iron	11100	50	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Magnesium	482000	2500	ug/l	50	06/02/10	06/04/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Manganese	6950	5.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Mercury	88.0	2.0	ug/l	10	06/01/10	06/02/10	RW EPA 245.1 <sup>2</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	16000	250	ug/l	50	06/02/10	06/04/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Potassium	47000	500	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silicon	16500	50	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Sodium	1260000	5000	ug/l	50	06/02/10	06/04/10	CT SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Zinc	368	10	ug/l	1	06/02/10	06/02/10	CT SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>

- (1) Instrument QC Batch: MA1238  
(2) Instrument QC Batch: MA1239  
(3) Instrument QC Batch: MA1243  
(4) Prep QC Batch: MP2431  
(5) Prep QC Batch: MP2433

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-09/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-3	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	5.9	1.0	mg/l	5	05/28/10 16:10	RL	EPA 300/SW846 9056A
Chloride	1750	100	mg/l	200	06/01/10 23:02	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	2.7	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride <sup>a</sup>	< 0.50	0.50	mg/l	5	05/28/10 16:10	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>b</sup>	3010	17	mg/l	1	06/04/10 15:23	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	1.8	0.50	mg/l	5	05/28/10 16:10	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>c</sup>	35.3	0.11	mg/l	1	06/02/10 20:15	CT	SW846 6010B
Solids, Total Dissolved	7800	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	9810	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	4310	200	mg/l	400	06/02/10 11:37	RL	EPA 300/SW846 9056A
Turbidity	19.1	0.50	NTU	1	05/28/10 12:10	EB	SM18 2130B
pH <sup>d</sup>	4.52		su	1	05/28/10 13:19	PH	SM18 4500H + B

(a) Elevated detection limit due to high concentration of Chloride.

(b) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(c) Calculated as: (Silicon \* 2.139)

(d) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

2.6  
2

Client Sample ID:	MTD-SW-09/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-3F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	55.1	2.0	ug/l	10	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1240

(2) Prep QC Batch: MP2430

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RL = Reporting Limit

Report of Analysis

Client Sample ID:	MTD-SW-10/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-4	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Boron	1920	150	ug/l	3	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Calcium	55900	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Chromium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Copper	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Iron	1330	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Magnesium	36500	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Manganese	623	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Mercury	0.21	0.20	ug/l	1	06/01/10	06/02/10 RW	EPA 245.1 <sup>2</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	263	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Potassium	2120	500	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silicon	7960	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Sodium	37300	300	ug/l	3	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Zinc	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>

- (1) Instrument QC Batch: MA1238
- (2) Instrument QC Batch: MA1239
- (3) Instrument QC Batch: MA1243
- (4) Prep QC Batch: MP2431
- (5) Prep QC Batch: MP2433

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MTD-SW-10/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-4	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	248	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	248	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	05/28/10 14:25	RL	EPA 300/SW846 9056A
Chloride	27.5	3.0	mg/l	6	06/01/10 23:20	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	5.2	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	05/28/10 14:25	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	290	0.33	mg/l	1	06/02/10 20:21	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	05/28/10 14:25	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	17.0	0.11	mg/l	1	06/02/10 20:21	CT	SW846 6010B
Solids, Total Dissolved	447	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	711	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	101	3.0	mg/l	6	06/01/10 23:20	RL	EPA 300/SW846 9056A
Turbidity	7.1	0.50	NTU	1	05/28/10 12:10	EB	SM18 2130B
pH <sup>c</sup>	7.41		su	1	05/28/10 13:26	PH	SM18 4500H+B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

Client Sample ID:	MTD-SW-10/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-4F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	<0.20	0.20	ug/l	1	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1240

(2) Prep QC Batch: MP2430

RL = Reporting Limit





Report of Analysis

Client Sample ID:	MTD-SW-06/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-5	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Boron	8660	500	ug/l	10	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Calcium	133000	500	ug/l	10	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Chromium	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Copper	34.2	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Iron	272	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Magnesium	195000	500	ug/l	10	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Manganese	3410	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Mercury	22.4	2.0	ug/l	10	06/01/10	06/02/10 RW	EPA 245.1 <sup>2</sup>	EPA 245.1/SW7470A <sup>4</sup>
Nickel	16600	50	ug/l	10	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Potassium	10900	500	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silicon	25700	50	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Sodium	134000	1000	ug/l	10	06/02/10	06/04/10 CT	SW846 6010B <sup>3</sup>	SW3010A <sup>5</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>
Zinc	245	10	ug/l	1	06/02/10	06/02/10 CT	SW846 6010B <sup>1</sup>	SW3010A <sup>5</sup>

- (1) Instrument QC Batch: MA1238
- (2) Instrument QC Batch: MA1239
- (3) Instrument QC Batch: MA1243
- (4) Prep QC Batch: MP2431
- (5) Prep QC Batch: MP2433

RL = Reporting Limit



Report of Analysis

Client Sample ID:	MTD-SW-06/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-5	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	0.38	0.20	mg/l	1	05/28/10 14:43	RL	EPA 300/SW846 9056A
Chloride	102	13	mg/l	25	06/01/10 23:38	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	6.1	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	05/28/10 14:43	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	1140	3.3	mg/l	1	06/04/10 15:45	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	05/28/10 14:43	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	55.0	0.11	mg/l	1	06/02/10 21:18	CT	SW846 6010B
Solids, Total Dissolved	2000	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	2430	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	1610	50	mg/l	100	06/02/10 00:30	RL	EPA 300/SW846 9056A
Turbidity	0.97	0.50	NTU	1	05/28/10 12:10	EB	SM18 2130B
pH <sup>c</sup>	4.48		su	1	05/28/10 13:27	PH	SM18 4500H + B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit

### Report of Analysis

2.10



Client Sample ID:	MTD-SW-06/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-5F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	13.8	1.0	ug/l	5	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1240

(2) Prep QC Batch: MP2430

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MTD-SW-11/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-6	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	971	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	48300	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	69.9	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	26900	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	11.9	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	< 0.20	0.20	ug/l	1	06/01/10	06/02/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	808	500	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	7790	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	18000	100	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1239
- (2) Instrument QC Batch: MA1243
- (3) Prep QC Batch: MP2431
- (4) Prep QC Batch: MP2433

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-11/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-6	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	227	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO <sub>3</sub>	227	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	05/28/10 15:00	RL	EPA 300/SW846 9056A
Chloride	9.7	1.0	mg/l	2	06/02/10 00:48	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	2.4	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	05/28/10 15:00	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO <sub>3</sub> <sup>a</sup>	231	0.33	mg/l	1	06/04/10 15:50	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	< 0.10	0.10	mg/l	1	05/28/10 15:00	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	16.7	0.11	mg/l	1	06/04/10 15:50	CT	SW846 6010B
Solids, Total Dissolved	273	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	494	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	31.4	1.0	mg/l	2	06/02/10 00:48	RL	EPA 300/SW846 9056A
Turbidity	2.7	0.50	NTU	1	05/28/10 12:10	EB	SM18 2130B
pH <sup>c</sup>	8.27		su	1	05/28/10 13:32	PH	SM18 4500H+B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit



### Report of Analysis

Client Sample ID:	MTD-SW-11/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-6F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

#### Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20	0.20	ug/l	1	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1240

(2) Prep QC Batch: MP2430

RL = Reporting Limit

Report of Analysis

2.13  
2

Client Sample ID:	MTD-SW-16/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-7	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Arsenic	< 10	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Beryllium	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Boron	171	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Cadmium	< 2.0	2.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Calcium	38200	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Chromium	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Copper	5.1	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Iron	2260	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Lead	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Magnesium	13900	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Manganese	90.1	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Mercury	< 0.20	0.20	ug/l	1	06/01/10	06/02/10	RW EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>3</sup>
Nickel	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Potassium	1800	500	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Selenium	< 20	20	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silicon	8130	50	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Silver	< 5.0	5.0	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Sodium	10700	100	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Thallium	< 20	20	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>
Zinc	10.6	10	ug/l	1	06/02/10	06/04/10	CT SW846 6010B <sup>2</sup>	SW3010A <sup>4</sup>

- (1) Instrument QC Batch: MA1239
- (2) Instrument QC Batch: MA1243
- (3) Prep QC Batch: MP2431
- (4) Prep QC Batch: MP2433

RL = Reporting Limit

## Report of Analysis

Page 1 of 1

Client Sample ID:	MTD-SW-16/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-7	Date Received:	05/28/10
Matrix:	AQ - Surface Water	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate	139	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	06/01/10	PH	SM18 4500CO2D
Alkalinity, Total as CaCO3	139	5.0	mg/l	1	06/01/10	PH	SM18 2320B
Bromide	< 0.20	0.20	mg/l	1	05/28/10 15:18	RL	EPA 300/SW846 9056A
Chloride	6.2	1.0	mg/l	2	06/02/10 01:05	RL	EPA 300/SW846 9056A
Dissolved Organic Carbon	4.2	1.0	mg/l	1	05/28/10	RL	SM18 5310C
Fluoride	< 0.10	0.10	mg/l	1	05/28/10 15:18	RL	EPA 300/SW846 9056A
Hardness, Total as CaCO3 <sup>a</sup>	153	0.33	mg/l	1	06/04/10 15:55	CT	SW846 6010B/SM 2340B
Nitrogen, Nitrate	0.23	0.10	mg/l	1	05/28/10 15:18	RL	EPA 300/SW846 9056A
Silica, Dissolved <sup>b</sup>	17.4	0.11	mg/l	1	06/04/10 15:55	CT	SW846 6010B
Solids, Total Dissolved	190	10	mg/l	1	06/01/10	PH	SM18 2540C
Specific Conductivity	335	1.0	umhos/cm	1	05/28/10	PH	SM18 2510B/EPA 120.1
Sulfate	19.3	1.0	mg/l	2	06/02/10 01:05	RL	EPA 300/SW846 9056A
Turbidity	45.8	1.0	NTU	2	05/28/10 12:10	EB	SM18 2130B
pH <sup>c</sup>	7.75		su	1	05/28/10 13:34	PH	SM18 4500H+B

(a) Calculated as: (Calcium \* 2.497) + (Magnesium \* 4.118)

(b) Calculated as: (Silicon \* 2.139)

(c) pH was analyzed past the 15min hold time.

RL = Reporting Limit



Report of Analysis

Client Sample ID:	MTD-SW-16/2	Date Sampled:	05/27/10
Lab Sample ID:	C11216-7F	Date Received:	05/28/10
Matrix:	AQ - Surface H2O Filtered	Percent Solids:	n/a
Project:	Mt. Diablo- Marsh Creek Road, Clayton, CA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	< 0.20	0.20	ug/l	1	06/02/10	06/03/10 RW	EPA 245.1 <sup>1</sup>	EPA 245.1/SW7470A <sup>2</sup>

(1) Instrument QC Batch: MA1240

(2) Prep QC Batch: MP2430

RL = Reporting Limit



Misc. Forms

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Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



# CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

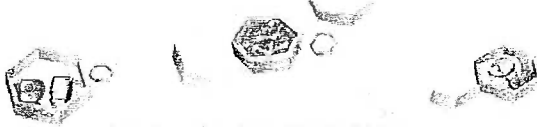
SGRPCAPH2674

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest NC Job #: C11216

Client / Reporting Information		Project Information										Requested Analysis										Matrix Codes	
Company Name The Source Group		Project Name: Sunoco, MI, Diablo										Mercury (Distilled/Deionized) - Lab Filter										WW Wastewater	
Address 3451C Vincent Road		Street										Priority Pollutant Metals (PRL13)										GW Ground Water	
City State Zip Pleasant Hill CA 94523		City State Clayton CA										Mercury (Subcontract) Catalyst										SW Surface Water	
Project Contact: Jan Philipp		Project # 01-SUN-050										General Chem (Pb, Alk, TDS, EC, pH, Bic, Car)										SO Soil	
Phone # 925-944-2856 x 316		EMSR: jphilipp@thesourcegroup.net										Cations (B, K, F, Mn, Mg, Ca, Na, Si)										DUX	
Sampler's Name Jan Philipp		Client Purchase Order #										Hardness (Ca, Mg)										WW Waps	
Accutest Sample ID		Collection		Number of preserved Bottles						Anions (Cl, F, SO4, Br, NO3, Zircon)										UD - Non aqueous Liquid			
Sample ID / Field Point / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	SP	MP	NO3	NO2	SO4	PO4	NOX	Ammonia	NO3	NO2	SO4	PO4	NOX	Ammonia	LAB USE ONLY			
MTD-SW-08/2	27-May	13:00	JP	SW	4	1	1	1	2					X	X	X	X	X	X	X	X		
MTD-SW-07/2	27-May	13:30	JP	SW	4	1	1	1	2					X	X	X	X	X	X	X	X		
MTD-SW-09/2	27-May	13:15	JP	SW	4	1	1	1	2					X	X	X	X	X	X	X	X		
MTD-SW-10/2	27-May	13:50	JP	SW	4	1	1	1	2					X	X	X	X	X	X	X	X		
MTD-SW-06/2	27-May	10:50	JP	SW	4	1	1	1	2					X	X	X	X	X	X	X	X		
MTD-SW-11/2	27-May	9:20	JP	SW	3	1	1	1	1					X	X	X	X	X	X	X	X		
MTD-SW-16/2	27-May	12:45	JP	SW	4	1	1	1	2					X	X	X	X	X	X	X	X		

Turnaround Time (Business days)		Approved By/Date:		Data Deliverable Information		Comments / Remarks	
<input checked="" type="checkbox"/> 5 Day Standard		<input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries <input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms <input type="checkbox"/> FULT1 - Level 4 data package <input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format Provide EDF Global ID: _____ Provide EDF Logcode: _____		Note that one sample is missing the small unpreserved poly. Do what you can to analyze the full suite. If you have to cut something out for lack of sample, call me. A Samples on Hold to be analyzed as per Client Email 250mL poly (H1N3) pH12 (x1) ; 500mL Amber (H1N3) each (x1) 1L (H1T) poly each NLP (x1) ; 250mL poly each NLP (x1) (C) used Sample from 1L (H1T) poly - NLP to filter for dissolved (H9)		To be Run as per Client Email To be Run as per Client Email	
Emergency T/A data available VIA Lablink							
Sample Custody must be documented below each time samples change possession, including courier delivery.							
Relinquished By: [Signature]	Date/Time: 5/28/10 11:25	Received By: [Signature]	Date/Time: 5/28/10 5:38	Relinquished By: [Signature]	Date/Time: 5/28/10 12:05	Received By: [Signature]	Date/Time: 5/28/10
Relinquished By: [Signature]	Date/Time:	Received By: [Signature]	Date/Time:	Relinquished By: [Signature]	Date/Time:	Received By: [Signature]	Date/Time:
Relinquished By: [Signature]	Date/Time:	Received By: [Signature]	Date/Time:	Relinquished By: [Signature]	Date/Time:	Received By: [Signature]	Date/Time:
Custody Seal #		Appropriate Bottle / Phase	Headspace Y/N	Seal	Deliver	Cooler Temp.	
		Label match Conf	N	Separate Receipt Log	N	48+0.3=5.1°C	





## Metals Analysis

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## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C11216  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2430  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 06/02/10

Metal	RL	IDL	MDL	MB	
				raw	final
Mercury	0.20	.02	.02	0.0028	<0.20

Associated samples MP2430: C11216-1F, C11216-2F, C11216-3F, C11216-4F, C11216-5F, C11216-6F, C11216-7F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

4.1.1



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C11216  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2430  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 06/02/10

Metal	C11217-1F Original MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	135	139	4	2240.0(a 70-130

Associated samples MP2430: C11216-1F, C11216-2F, C11216-3F, C11216-4F, C11216-5F, C11216-6F, C11216-7F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

4.1.2  
4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C11216  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2430  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 06/02/10

Metal	C11217-1F Original MSD	SpikeLot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	135	135	4	2140.0(a 2.9	20

Associated samples MP2430: C11216-1F, C11216-2F, C11216-3F, C11216-4F, C11216-5F, C11216-6F, C11216-7F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

4.1.2





SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C11216  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2430  
 Matrix Type: AQUEOUS

Methods: EPA 245.1  
 Units: ug/l

Prep Date: 06/02/10 06/02/10

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits	BSD Result	Spikelot HGPWS1	% Rec	BSD RPD	QC Limit
Mercury	1.9	2	95.0	85-115	2.0	2	100.0	5.1	

Associated samples MP2430: C11216-1F, C11216-2F, C11216-3F, C11216-4F, C11216-5F, C11216-6F, C11216-7F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

4.1.3  


BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C11216  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2431  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 06/01/10

Metal	RL	IDL	MDL	MB	
				raw	final
Mercury	0.20	.02	.02	-0.0054	<0.20

Associated samples MP2431: C11216-1, C11216-2, C11216-3, C11216-4, C11216-5, C11216-6, C11216-7

Results < IDL are shown as zero for calculation purposes  
(\*) Outside of QC limits  
(anr) Analyte not requested

4.2.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C11216  
Account: SGRPCAPH - The Source Group  
Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2431  
Matrix Type: AQUEOUS

Methods: EPA 245.1  
Units: ug/l

Prep Date: 06/01/10

Metal	C11216-1 Original MS	SpikeLot HGPWS1	% Rec	QC Limits
Mercury	0.0	3.8	4	95.0 70-130

Associated samples MP2431: C11216-1, C11216-2, C11216-3, C11216-4, C11216-5, C11216-6, C11216-7

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits  
(anr) Analyte not requested

4.2.2  
4

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C11216  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2431  
 Matrix Type: AQUEOUS

Methods: EPA 245.1  
 Units: ug/l

Prep Date: 06/01/10

Metal	C11216-1		Spikelot		MSD RPD	QC Limit
	Original	MSD	HGPWS1	% Rec		
Mercury	0.0	3.8	4	95.0	0.0	20

Associated samples MP2431: C11216-1, C11216-2, C11216-3, C11216-4, C11216-5, C11216-6, C11216-7

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

4.2.2  


SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C11216  
 Account: SGRPCAPH - The Source Group  
 Project: Mt. Diablo- Marsh Creek Road, Clayton, CA

QC Batch ID: MP2431  
 Matrix Type: AQUEOUS

Methods: EPA 245.1  
 Units: ug/l

Prep Date: 06/01/10 06/01/10

Metal	BSP Result	Spikelot HGWS1	% Rec	QC Limits	BSD Result	Spikelot HGWS1	% Rec	BSD RPD	QC Limit
Mercury	1.9	2	95.0	85-115	1.9	2	95.0	0.0	

Associated samples MP2431: C11216-1, C11216-2, C11216-3, C11216-4, C11216-5, C11216-6, C11216-7

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (nr) Analyte not requested

4.2.3

