

May 19, 2011

Alameda County Department of  
Environmental Health  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

Attention: Mark Detterman

Subject: First 2011 Semi-Annual Groundwater Monitoring Report  
1355 55<sup>th</sup> Street Emeryville, Ca  
**ACDEH Site No. RO0000046, Geotracker Global ID No. T0600101623**

**RECEIVED**


**2:49 pm, Feb 21, 2012**

Alameda County  
Environmental Health

Ladies and Gentlemen:

Attached please find a copy of the *First 2011 Semi-Annual Groundwater Monitoring Report* prepared by Gribi Associates. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Very truly yours,



Ronald W. Mooney, Member  
California Syrup & Extract Co. LLC  
PO Box 8305  
Emeryville, CA 94608



May 19, 2011

Alameda County Department of  
Environmental Health  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

Attention: Mark E. Detterman

Subject: First 2011 Semi-Annual Groundwater Monitoring Report  
1355 55<sup>th</sup> Street Emeryville, Ca  
**ACDEH Site No. RO0000046, Geotracker Global ID No. T0600101623**

Ladies and Gentlemen:

Gribi Associates is pleased to submit this First 2011 Semi-Annual Groundwater Monitoring Report on behalf of California Syrup & Extract Company for the underground storage tank (UST) site located at 1355 55<sup>th</sup> Street in Emeryville, California (see Figure 1 and Figure 2). This letter report documents the monitoring and sampling of two site wells on February 14, 2011.

#### **DESCRIPTION OF SAMPLING ACTIVITIES**

1. Gribi Associates personnel conducted groundwater monitoring and sampling activities for two site wells (MW-1 and MW-2) on February 14, 2011.
2. Groundwater monitoring and sampling was conducted in accordance with California LUFT Field Manual, including the following:
  - a. measuring static water levels;
  - b. checking for presence of free-product;
  - c. and purging of approximately three well volumes while recording of temperature, pH, conductivity, and clarity.
3. Collected groundwater samples were placed in an ice-chilled cooler and submitted to a state-certified laboratory for analyses.
4. Copies of groundwater sampling field data sheets are provided as Attachment A.

## **RESULTS OF GROUNDWATER MONITORING**

### **Hydrologic Conditions**

1. Groundwater depths ranged from approximately 6.76 feet (MW-1) to 6.99 feet (MW-2).
2. Groundwater elevations ranged from 31.07 feet above means sea level (msl) (MW-2) to 31.39 feet msl (MW-1).
3. Groundwater flow direction is indeterminable with only two site wells; however, the groundwater elevation does drop from east to west between MW-1 and MW-2. Thus, there is a component of elevation gradient in a westerly direction. Also, given the site's close proximity to San Francisco Bay, we would expect groundwater flow direction to be in a general westerly direction towards San Francisco Bay.
4. Groundwater elevations are shown on Figure 3.

### **Laboratory Analytical Results**

1. Groundwater samples from the two site wells were analyzed for the following parameters with standard method turn around time on results:
  - a. USEPA M8015C Total Petroleum Hydrocarbons as Motor Oil (TPH-MO)
  - b. USEPA M8015C Total Petroleum Hydrocarbons as Diesel (TPH-D)
  - c. USEPA M8015C Total Petroleum Hydrocarbons as Gasoline (TPH-G)
  - d. USEPA 8021B Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)
  - e. USEPA 8021B Methyl-tert-butyl Ether (MTBE)
2. Groundwater hydrocarbon results for this monitoring event are summarized in Table 1.
3. Groundwater hydrocarbon results for this monitoring event are summarized on Figure 3.
4. The laboratory analytical data report and chain-of custody are provided as Attachment B.

## **CONCLUSIONS**

1. Groundwater hydrocarbon concentrations from this event are generally similar to results from previous monitoring events.
2. Although concentrations of TPH-G at monitoring well MW-2 are elevated, the relative concentrations of BTEX constituents are low, suggesting significant natural degradation of the gasoline constituents over time.

## **PLANNED ACTIVITIES**

1. Gribi Associates plans to conduct semi-annual groundwater monitoring for the site during the third quarter of 2011.



Alameda County Department of  
Environmental Health  
May 19, 2011  
Page 3

We appreciate this opportunity to provide this report for your review. Please contact us if there are questions or if additional information is required.

Very truly yours,



Matthew A. Rosman  
Project Engineer



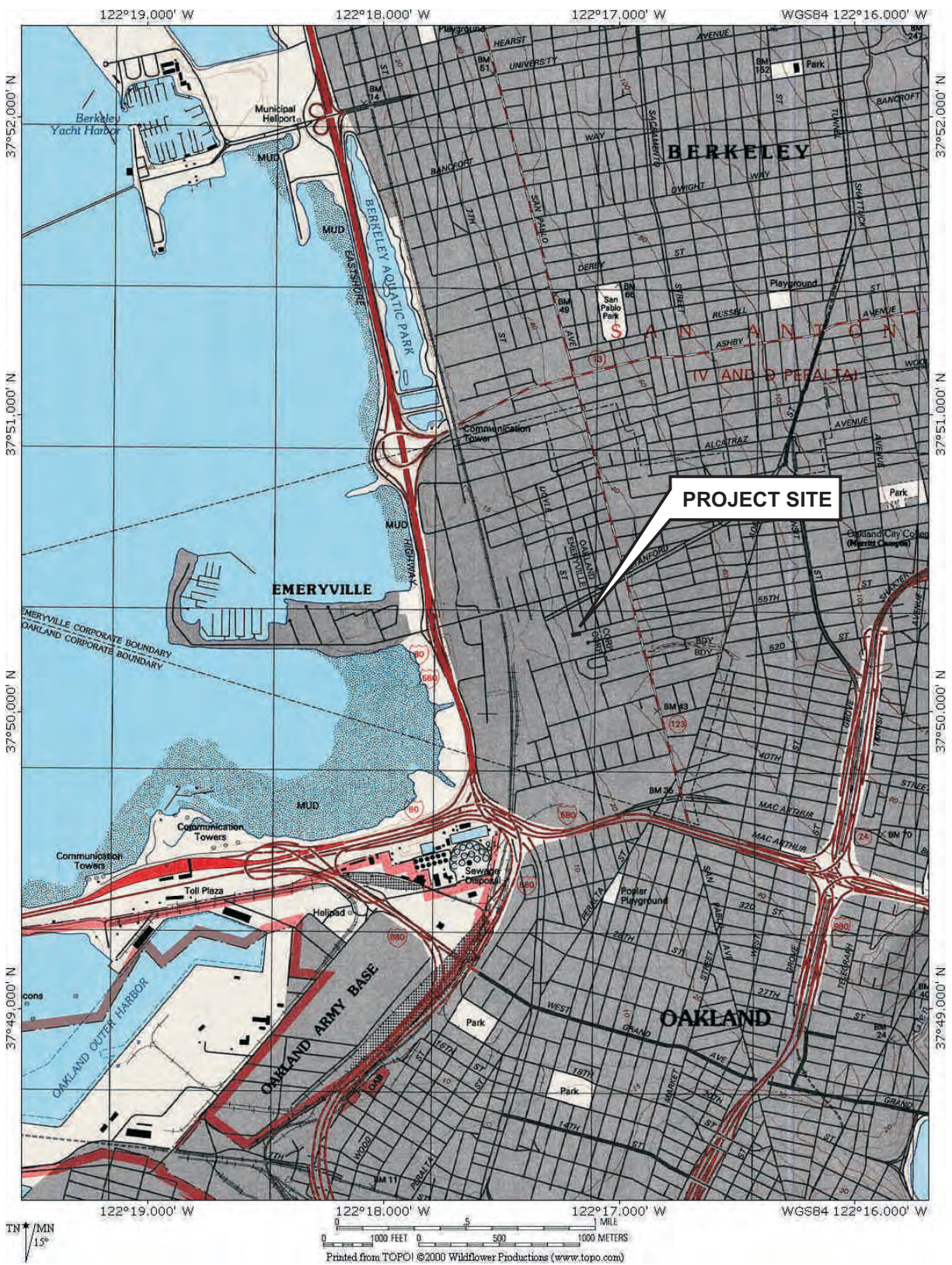
James E. Gribi  
Professional Geologist  
California No. 5843



Enclosure

cc: Mr. Ron Mooney

## FIGURES



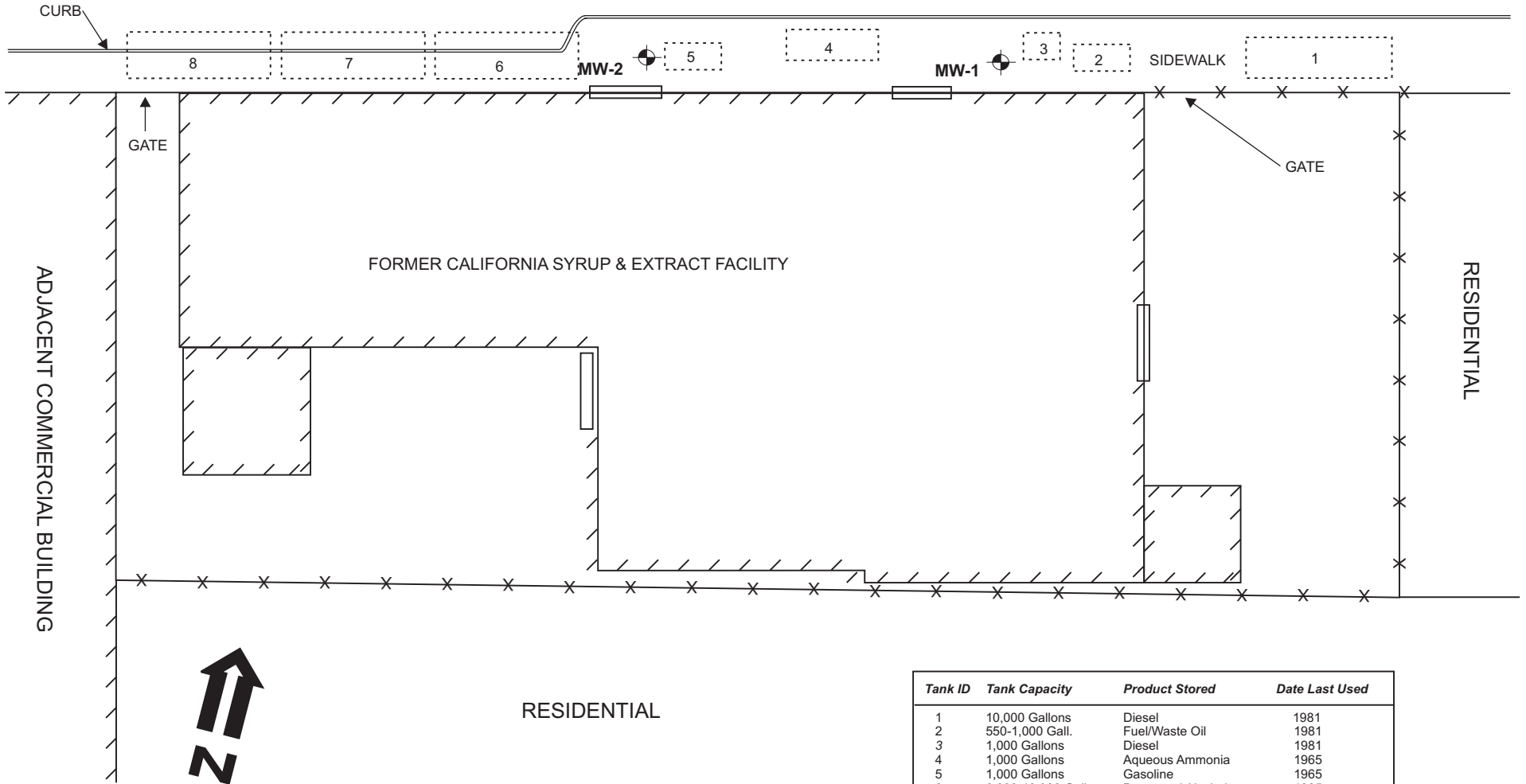
DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO:	

**SITE VICINITY MAP**

CALIFORNIA SYRUP AND EXTRACT  
1375 55TH STREET  
EMERYVILLE, CALIFORNIA

DATE: 02/25/2011	FIGURE: 1

55TH STREET



CURB

8 7 6 5 4 3 2 1

MW-2

MW-1

SIDEWALK

GATE

GATE

FORMER CALIFORNIA SYRUP & EXTRACT FACILITY

ADJACENT COMMERCIAL BUILDING

RESIDENTIAL

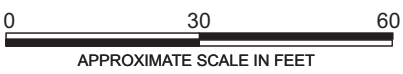
RESIDENTIAL



Tank ID	Tank Capacity	Product Stored	Date Last Used
1	10,000 Gallons	Diesel	1981
2	550-1,000 Gall.	Fuel/Waste Oil	1981
3	1,000 Gallons	Diesel	1981
4	1,000 Gallons	Aqueous Ammonia	1965
5	1,000 Gallons	Gasoline	1965
6	6,000-10,300 Gall.	Denatured Alcohol	1985
7	10,000 Gallons	Denatured Alcohol	1985
8	10,000 Gallons	Denatured Alcohol	1985

NOTE: ALL PRODUCT REMOVED & TANKS CLOSED IN-PLACE IN 1994.

⊙ - GROUNDWATER MONITORING WELL



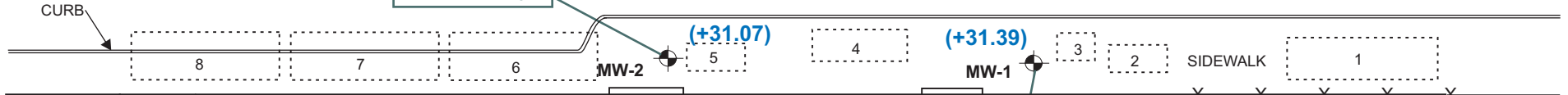
DESIGNED BY:	CHECKED BY:
DRAWN BY: JEG	SCALE:
PROJECT NO:	

**SITE PLAN**  
 CALIFORNIA SYRUP AND EXTRACT  
 1375 55TH STREET  
 EMERYVILLE, CALIFORNIA

DATE: 05/19/2011      FIGURE: **2**

TPH-MO:	<100
TPH-D:	1,200
TPH-G:	2,400
B:	17
T:	11
E:	4.2
X:	4.4
MTBE:	49

55TH STREET



TPH-MO:	<100
TPH-D:	<50
TPH-G:	<50
B:	<1.0
T:	4.1
E:	<1.0
X:	<2.0
MTBE:	<4.0

FORMER CALIFORNIA SYRUP & EXTRACT FACILITY

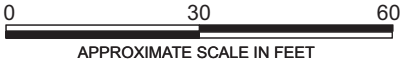
ADJACENT COMMERCIAL BUILDING

RESIDENTIAL

RESIDENTIAL



⊕ - GROUNDWATER MONITORING WELL



DESIGNED BY:	CHECKED BY:
DRAWN BY: JEG	SCALE:
PROJECT NO:	

**GROUNDWATER ELEVATIONS & LAB RESULTS, 02/14/2011**  
 CALIFORNIA SYRUP AND EXTRACT  
 1375 55TH STREET  
 EMERYVILLE, CALIFORNIA

DATE: 05/19/2011      FIGURE: 3





## TABLE

**Table 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
California Syrup & Extract Company UST Site

Sample ID	Sample Date	DTW	GW Elev.	Concentration, micrograms per liter (ug/L)							
				TPH-D	TPH-MO	TPH-G	B	T	E	X	MTBE
<b>MW-1</b>	9/24/1994	8.01	30.14	<50	<50	<50	<0.5	<0.5	<0.5	<0.5	-
<38.15>	12/29/1999	5.77	32.38	<50	<100	<b>120</b>	<0.5	<0.5	<0.5	<b>0.84</b>	<0.050
	3/23/2000	4.79	33.36	<50	<100	<b>97</b>	<b>0.58</b>	<0.5	<0.5	<b>21</b>	<0.005
	6/28/2000	8.90	29.25	<50	<100	<b>110</b>	<b>28</b>	<b>2.2</b>	<b>8.7</b>	<b>17</b>	<0.005
	10/04/2000	8.36	29.79	<50	<100	<50	<0.5	<0.5	<0.5	<b>1.5</b>	<0.005
	9/25/2009	6.89	31.26	<50	<100	<50	<1.0	<1.0	<1.0	<2.0	-
	2/18/2010	5.74	32.41	<50	<100	<50	<1.0	<1.0	<1.0	<2.0	<4.0
	7/26/2010	6.92	31.23	<50	<100	<50	<1.0	<1.0	<1.0	<2.0	<4.0
	2/14/2011	6.76	31.39	<50	<100	<50	<1.0	<b>4.1</b>	<1.0	<2.0	<4.0
<b>MW-2</b>	9/24/1994	7.88	30.18	<b>630</b>	<0.50	<b>970</b>	<b>57</b>	<b>3.4</b>	<b>3.6</b>	<b>3.0</b>	-
<38.06>	12/29/1999	7.29	30.77	<0.050	<0.100	<b>8,800</b>	<b>430</b>	<b>370</b>	<b>250</b>	<b>410</b>	<1.0
	3/23/2000	6.03	32.03	<0.050	<0.100	<b>10,000</b>	<b>590</b>	<b>90</b>	<b>210</b>	<b>640</b>	<1.0
	6/28/2000	7.11	30.95	<0.050	<0.100	<b>3,600</b>	<b>310</b>	<b>19</b>	<b>94</b>	<b>100</b>	<b>120</b>
	10/4/2000	7.64	30.42	<0.050	<0.100	<b>4,100</b>	<b>280</b>	<b>15</b>	<b>58</b>	<b>81</b>	<b>100</b>
	9/25/2009	7.55	30.51	<b>8,100</b>	<b>2,900</b>	<b>59,000</b>	<b>58</b>	<b>69</b>	<b>170</b>	<b>160</b>	-
	2/18/2010	5.96	32.10	<b>610</b>	<100	<b>1,400</b>	<b>12</b>	<b>5.4</b>	<1.0	<2.0	<b>97</b>
	7/26/2010	6.90	31.16	<b>560</b>	<100	<b>3,700</b>	<b>40</b>	<b>7.5</b>	<1.0	<2.0	<b>100</b>
	2/14/2011	6.99	31.07	<b>1,200</b>	<100	<b>2,400</b>	<b>17</b>	<b>11</b>	<b>4.2</b>	<b>4.4</b>	<b>49</b>

Notes:

DTW = Depth to Water, in feet below top of casing.  
GW Elev. = Groundwater mean sea level elevation.  
TPH-D = Total Petroleum Hydrocarbons as Diesel  
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil  
TPH-G = Total Petroleum Hydrocarbons as Gasoline  
B = Benzene, T = Toluene, E = Ethylbenzene, X = Xylenes  
MTBE = Methyl-tert-Butyl Ether

<50 = Not detected above the expressed value.  
- = Not analyzed or not available.  
ALL ND = No detectable concentrations of individual analytes.  
<38.15> = Top of casing mean sea level (msl) elevation

**ATTACHMENT A**  
**GROUNDWATER MONITORING FIELD DATA RECORDS**



### Groundwater Monitoring Field Sheet

Client Name California Syrup and Extract Project Name California Syrup and Extract  
 Sampling Personnel MAR Date 2/14/2010  
 Weather Conditions Cloudy, drizzle / Rain  
 Well ID MW-1  
 Casing Diameter (inches) 2.0 Total Depth (feet) 16.7  
 Depth to Water 6.76 Depth to Free Product —  
 Water Column (ft) 9.94 Product Thickness φ  
 One Well Volume (gal) 1.69 3x Well Volume (gal) 5.1

**Notes:**

One Well Volume is determine by multiplying "Water Column" by:

- 0.059 for 3/4-inch well, 0.17 for 2-inch well, 0.38 for 3-inch well, 0.66 for 4-inch well, 1.50 for 6-inch well

**FIELD METHODS**

Activity	Bailer	Pump	Comments
Purge Method		X	12V purge pump
Sample Method			

**FIELD PARAMETERS**

*water quality meter not working*

Time	Volume Purged	Temp. (F or C)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1309							
1312	2						
1314	3						
1315	4						
1317	5						

**SAMPLE OBSERVATIONS**

Characteristic	None	Slight	Moderate	Strong	Comments
Color	X				
Odor	X				
Turbidity	X				
Sheen	X				
Other:					

Sample Time 1320

Sampler's Signature MAR

### Groundwater Monitoring Field Sheet

Client Name California Syrup and Extract Project Name California Syrup and Extract  
 Sampling Personnel MARK Date 2/14/2011  
 Weather Conditions Cloudy, drizzle / Rain  
 Well ID MW-2  
 Casing Diameter (inches) 2.0 Total Depth (feet) 19.8  
 Depth to Water 6.99 Depth to Free Product —  
 Water Column (ft) 12.81 Product Thickness Ø  
 One Well Volume (gal) 2.18 3x Well Volume (gal) 6.5

**Notes:**

One Well Volume is determine by multiplying "Water Column" by:

- 0.059 for 3/4-inch well, 0.17 for 2-inch well, 0.38 for 3-inch well, 0.66 for 4-inch well, 1.50 for 6-inch well

**FIELD METHODS**

Activity	Bailer	Pump	Comments
Purge Method		X	12V purge pump
Sample Method			

**FIELD PARAMETERS**

*water quality meter not working*

1328  
1331  
1335 →

Time	Volume Purged	Temp. (F or C)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
<del>1328</del>							
<del>1331</del>	2						
<del>1335</del>	4						
1339	6						
1341	7						

**SAMPLE OBSERVATIONS**

Characteristic	None	Slight	Moderate	Strong	Comments
Color	X				
Odor		←			Hydrocarbon
Turbidity	X				
Sheen	X				
Other:					

Sample Time 1345 Sampler's Signature MARK

**ATTACHMENT B**

**LABORATORY DATA REPORTS AND  
CHAIN-OF-CUSTODY RECORDS**



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

22 February 2011

Jim Gribi  
Gribi Associates  
1090 Adam Street, Suite K  
Benicia, CA 94510  
RE: California Syrup and Extract

Enclosed are the results of analyses for samples received by the laboratory on 02/17/11 08:36. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez For John Shepler  
Laboratory Director





25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: California Syrup and Extract  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
02/22/11 15:24

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T110177-01	Water	02/14/11 13:20	02/17/11 08:36
MW-2	T110177-02	Water	02/14/11 13:45	02/17/11 08:36

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Daniel Chavez For John Shepler, Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: California Syrup and Extract Project Number: [none] Project Manager: Jim Gribi	Reported: 02/22/11 15:24
--	---	-----------------------------

**MW-1**  
**T110177-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

C6-C12 (GRO)	ND	50	ug/l	1	1021706	02/17/11	02/18/11	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		109 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

C13-C28 (DRO)	ND	0.050	mg/l	1	1021708	02/17/11	02/18/11	EPA 8015C	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		86.0 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8021B**

Methyl tert-butyl ether	ND	4.0	ug/l	1	1021707	02/17/11	02/18/11	EPA 8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
<b>Toluene</b>	<b>4.1</b>	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	73.5-148		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez For John Shepler, Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: California Syrup and Extract Project Number: [none] Project Manager: Jim Gribi	Reported: 02/22/11 15:24
--	---	-----------------------------

**MW-2**  
**T110177-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**Purgeable Petroleum Hydrocarbons by EPA 8015C**

<b>C6-C12 (GRO)</b>	<b>2400</b>	50	ug/l	1	1021706	02/17/11	02/18/11	EPA 8015C	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	72.6-146		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015C**

<b>C13-C28 (DRO)</b>	<b>1.2</b>	0.050	mg/l	1	1021708	02/17/11	02/18/11	EPA 8015C	D-08
<b>C29-C40 (MORO)</b>	<b>ND</b>	0.10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		82.9 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8021B**

<b>Methyl tert-butyl ether</b>	<b>49</b>	4.0	ug/l	1	1021707	02/17/11	02/18/11	EPA 8021B	
<b>Benzene</b>	<b>17</b>	1.0	"	"	"	"	"	"	
<b>Toluene</b>	<b>11</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.2</b>	1.0	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>4.4</b>	2.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>ND</b>	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	73.5-148		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez For John Shepler, Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: California Syrup and Extract Project Number: [none] Project Manager: Jim Gribi	Reported: 02/22/11 15:24
--	---	-----------------------------

**Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1021706 - EPA 5030 GC**

<b>Blank (1021706-BLK1)</b>		Prepared: 02/17/11 Analyzed: 02/18/11								
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	177		"	200		88.4	72.6-146			
<b>LCS (1021706-BS1)</b>		Prepared: 02/17/11 Analyzed: 02/18/11								
C6-C12 (GRO)	4890	50	ug/l	5500		88.9	75-125			
Surrogate: 4-Bromofluorobenzene	196		"	200		97.8	72.6-146			
<b>LCS Dup (1021706-BSD1)</b>		Prepared: 02/17/11 Analyzed: 02/18/11								
C6-C12 (GRO)	5250	50	ug/l	5500		95.5	75-125	7.16	20	
Surrogate: 4-Bromofluorobenzene	196		"	200		97.9	72.6-146			

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Daniel Chavez For John Shepler, Laboratory Director



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: California Syrup and Extract Project Number: [none] Project Manager: Jim Gribi	Reported: 02/22/11 15:24
--	---	-----------------------------

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1021708 - EPA 3510C GC**

<b>Blank (1021708-BLK1)</b>										
					Prepared: 02/17/11 Analyzed: 02/18/11					
C13-C28 (DRO)	ND	0.050	mg/l							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: <i>p</i> -Terphenyl	3.48		"	4.00		87.0	65-135			
<b>LCS (1021708-BS1)</b>										
					Prepared: 02/17/11 Analyzed: 02/18/11					
C13-C28 (DRO)	17.4	0.050	mg/l	20.0		87.1	75-125			
Surrogate: <i>p</i> -Terphenyl	3.43		"	4.00		85.8	65-135			
<b>LCS Dup (1021708-BSD1)</b>										
					Prepared: 02/17/11 Analyzed: 02/18/11					
C13-C28 (DRO)	17.3	0.050	mg/l	20.0		86.5	75-125	0.685	20	
Surrogate: <i>p</i> -Terphenyl	3.59		"	4.00		89.7	65-135			

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Gribi Associates  
 1090 Adam Street, Suite K  
 Benicia CA, 94510

Project: California Syrup and Extract  
 Project Number: [none]  
 Project Manager: Jim Gribi

Reported:  
 02/22/11 15:24

**Volatile Organic Compounds by EPA Method 8021B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1021707 - EPA 5030 GC**

**Blank (1021707-BLK1)**

Prepared: 02/17/11 Analyzed: 02/18/11

Methyl tert-butyl ether	ND	4.0	ug/l							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
Surrogate: 4-Bromofluorobenzene	191		"	200		95.4	73.5-148			

**LCS (1021707-BS1)**

Prepared: 02/17/11 Analyzed: 02/18/11

Benzene	97.7	1.0	ug/l	100		97.7	70-130			
Toluene	97.0	1.0	"	100		97.0	70-130			
Ethylbenzene	96.9	1.0	"	100		96.9	70-130			
m,p-Xylene	201	2.0	"	200		100	70-130			
o-Xylene	101	1.0	"	100		101	70-130			
Surrogate: 4-Bromofluorobenzene	205		"	200		102	73.5-148			

**LCS Dup (1021707-BSD1)**

Prepared: 02/17/11 Analyzed: 02/18/11

Benzene	99.6	1.0	ug/l	100		99.6	70-130	2.01	20	
Toluene	97.7	1.0	"	100		97.7	70-130	0.680	20	
Ethylbenzene	99.5	1.0	"	100		99.5	70-130	2.60	20	
m,p-Xylene	200	2.0	"	200		99.9	70-130	0.517	20	
o-Xylene	97.8	1.0	"	100		97.8	70-130	2.85	20	
Surrogate: 4-Bromofluorobenzene	186		"	200		93.1	73.5-148			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Chavez For John Shepler, Laboratory Director



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: California Syrup and Extract  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
02/22/11 15:24

### Notes and Definitions

- D-08 Results in the diesel organics range are primarily due to overlap from a gasoline range product.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

---

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

---

Daniel Chavez For John Shepler, Laboratory Director

# SUNSTAR LABORATORIES

25712 COMMERCENTRE DRIVE  
LAKE FOREST, CA 92630

Website: [www.SUNSTARLABS.com](http://www.SUNSTARLABS.com) Email: [john@sunstarlabs.com](mailto:john@sunstarlabs.com)  
Telephone: (949) 297-5020 Fax: (949) 297-5027

F110177

# CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

**Report To:** James Gribi **Bill To:**  
**Company:** Gribi Associates  
1090 Adams Street, Suite K  
Benicia, CA 94510 **E-Mail:**  
**Tele:** ( 707 ) 748-7743 **Fax:** ( 707 ) 748-7763  
**Client Name:** California Syrup & Extract **Global ID:** T0600101623  
**Project Name:** California Syrup & Extract  
**Sampler Signature:** *[Signature]*

**Analysis Request** **Other** **Comments**

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505 / 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)			Filter Samples for Metals analysis: Yes / No				
		Date	Time			Water	Soil	Air	Sludge	Other	ICE	HCL	HNO <sub>3</sub>	Other																							
MW-1		2/14	1320	4	Vials	X					X	X	X	X																							
MW-2		2/14	1315	4	Vials	X					X	X	X	X																							

01  
02

**Relinquished By:** *[Signature]* **Date:** 2/14/11 **Time:** 1730 **Received By:** *[Signature]* 2/16/11  
**Relinquished By:** *[Signature]* **Date:** **Time:** **Received By:**  
**Relinquished By:** GSO **Date:** 2/17/11 **Time:** 8:36 **Received By:** *[Signature]*

**COMMENTS:**  
ICE# 4.6  
GOOD CONDITION   
HEAD SPACE ABSENT  
DECHLORINATED IN LAB  
APPROPRIATE CONTAINERS  
PRESERVED IN LAB  
VOAS O&G METALS OTHER  
PRESERVATION pH<2  
**S. D. TAT**  
2/17/11

130



## SAMPLE RECEIVING REVIEW SHEET

BATCH # T110177

Client Name: GRIBI

Project: CALIFORNIA SYRUP & EXTRACT

Received by: DANIEL

Date/Time Received: 2/17/11 8:36

Delivered by :  Client  SunStar Courier  GSO  FedEx  Other \_\_\_\_\_

Total number of coolers received 1      **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 4.8 °C +/- the CF (- 0.2°C) = 4.6 °C corrected temperature

cooler #2 \_\_\_\_\_ °C +/- the CF (- 0.2°C) = \_\_\_\_\_ °C corrected temperature

cooler #3 \_\_\_\_\_ °C +/- the CF (- 0.2°C) = \_\_\_\_\_ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.     Yes     No\*     N/A

Custody Seals Intact on Cooler/Sample     Yes     No\*     N/A

Sample Containers Intact     Yes     No\*

Sample labels match COC ID's     Yes     No\*

Total number of containers received match COC     Yes     No\*

Proper containers received for analyses requested on COC     Yes     No\*

Proper preservative indicated on COC/containers for analyses requested     Yes     No\*     N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times.     Yes     No\*

\* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date BC 2/17/11

Comments:

---



---



---



---