

MISC\_SAMP\_R\_2003-4-14



FACSIMILE TRANSMITTAL SHEET

TO Scott Seery	FROM Brian Pierskalla
COMPANY ACHCSA	DATE 4/14/2003
FAX NUMBER 510-337-9335	TOTAL NO. OF PAGES INCLUDING COVER 11
PHONE NUMBER 510-567-6783	SENDER'S REFERENCE NUMBER 510-307-9943 x 231
RE Sunol Tree Gas Domestic Water Well Survey Analytical Results	YOUR REFERENCE NUMBER CB021C

URGENT   
 FOR REVIEW   
 PLEASE COMMENT   
 PLEASE REPLY   
 PLEASE RECYCLE

NOTES/COMMENTS

Dear Scott

Please see attached Domestic Water Well Survey analytical results for the Sunol Tree Gas site on Andrade Road, Sunol, sampled on April 10, 2003. Please call me with any questions at (510) 307-9943 x 231.

Sincerely,

A handwritten signature in cursive script that reads "Brian Pierskalla".

Brian Pierskalla

Project Manager

Cc: Mr. Roy Tovani, (1-Bear Ranch), 3000 Andrade Road, Sunol, CA 94586  
Mr. Mort Calvert (Berkeley Ready Mix) via fax (925) 862-0229  
Mr. John Franco (Country Drives Golf Center), 3200 Andrade Road, Sunol, CA 94586



Report Number : 32677

Date : 4/11/2003

Brian Pierskalla  
Clearwater Group  
229 Tewksbury Ave  
Point Richmond, CA 94801

Subject : 5 Water Samples  
Project Name : SUNOL-DOMESTIC WELL SURVEY  
Project Number : CB021C  
P.O. Number : 8687

Dear Mr. Pierskalla,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style with a large, looped "J" and "K".

Joel Kiff



Report Number : 32677

Date : 4/11/2003

Project Name : SUNOL-DOMESTIC WELL SURVEY

Project Number : CB021C

Sample : 4S1E-20-G2

Sample Date : 4/10/2003

T-Bear Ranch  
3000 Arroyo Rd.

Matrix : Water

Lab Number : 32677-01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Methyl-t-butyl ether (MTBE)	120	0.50	ug/L	EPA 8260B	4/10/2003
Diacetyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Tert-amyl methyl ether (TAME)	0.73	0.50	ug/L	EPA 8260B	4/10/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/10/2003
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	4/10/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/10/2003
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/10/2003
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	4/10/2003

Approved By:  Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 32677

Date : 4/11/2003

Project Name : SUNOL-DOMESTIC WELL SURVEY

Project Number : CB021C

Sample : 4S/1E-20-A1

Matrix : Water

Lab Number : 32677-02

Sample Date : 4/10/2003

7587 Athenoson wy

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/11/2003
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/11/2003
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	4/11/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 32677

Date : 4/11/2003

Project Name : SUNOL-DOMESTIC WELL SURVEY

Project Number : CB021C

Sample : 45/1E-20-B1

Matrix : Water

Lab Number : 32677-03

Sample Date : 4/10/2003

7645 Atherton Way ?

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/11/2003
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	4/11/2003
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	4/11/2003

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95618 530-297-1800



Report Number : 32677

Date : 4/11/2003

Project Name : SUNOL-DOMESTIC WELL SURVEY

Project Number : CB021C

Sample : 4S/1E-20-H2

Matrix : Water

Lab Number : 32677-04

Sample Date : 4/10/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/11/2003
Toluene - d8 (Sum)	100		% Recovery	EPA 8260B	4/11/2003
4-Bromofluorobenzene (Sum)	101		% Recovery	EPA 8260B	4/11/2003


  
 Approved By: Joel Kiff



Report Number : 32677

Date : 4/11/2003

Project Name : SUNOL-DOMESTIC WELL SURVEY

Project Number : CB021C

Sample : 4S/1E-20-A2

Sample Date : 4/10/2003

Matrix : Water

Lab Number : 32677-05

3200 / 3220 Andrade Rel.  
(Golf Range?)

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/11/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	4/11/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/11/2003
Toluene - dB (Sum)	101		% Recovery	EPA 8260B	4/11/2003
4-Bromofluorobenzene (Sum)	99.4		% Recovery	EPA 8260B	4/11/2003

Approved By:  Joel Kiff

Report Number : 32677

Date : 4/11/2003

QC Report : Method Blank Data

Project Name : SUNOL-DOMESTIC WELL SURVEY

Project Number : CB021C

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Toluene	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Diacetyl ether (DIAPE)	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	4/10/2003
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	4/10/2003
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	4/10/2003
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	4/10/2003
Toluene - dB (Sum)	102		%	EPA 8260B	4/10/2003
4-Bromofluorobenzene (Sum)	98.2		%	EPA 8260B	4/10/2003

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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Approved By: Joel Kiff  
 Joel Kiff

KIFF ANALYTICAL, LLC  
 2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



Report Number : 32677

Date : 4/11/2003

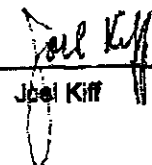
QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : SUNOL-DOMESTIC WELL

Project Number : CB021C

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	32648-02	34	40.0	40.0	74.2	71.1	ug/L	EPA 8260B	4/10/03	101	93.6	7.98	70-130	25
Toluene	32648-02	12	40.0	40.0	52.8	51.0	ug/L	EPA 8260B	4/10/03	102	97.0	4.58	70-130	25
Tert-Butanol	32648-02	<5.0	200	200	221	216	ug/L	EPA 8260B	4/10/03	110	108	2.53	70-130	25
Methyl-t-Butyl Ether	32648-02	<0.50	40.0	40.0	48.0	45.6	ug/L	EPA 8260B	4/10/03	120	114	4.98	70-130	25

Approved By: Joel Kiff



KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number: 32677

Date: 4/11/2003

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **SUNOL-DOMESTIC WELL**

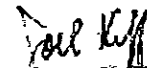
Project Number : **CB021C**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	4/10/03	96.7	70-130
Toluene	40.0	ug/L	EPA 8260B	4/10/03	96.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	4/10/03	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	4/10/03	110	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

  
Joel Kiff



2765 2nd Street, Suite 300  
 Davis, CA 95618  
 Lab: 530.297.4800  
 Fax: 530.297.4808

Lab No. 32677 Page 1 of 1

Project Contact (Hardcopy or PDF To):  
**BRIAN PIERSKALIA**

Company/Address:  
**229 TENKSBAURY AVE**

Phone No.: **510 307 9943** FAX No.: **510 232 2723**

Project Number: **CBOZIC** P.O. No: **8667**

Project Name:  
**SUNOL - Domestic Well Survey**

California EDF Report?  Yes  No

Recommended (but not mandatory) to establish the location  
 Sampling Company Log Code: **CW60**

Global ID: \_\_\_\_\_

PDF Deliverable To (Email Address): **PDF  
 brianpc@clearwatergroup.com**

Sampler Signature: \_\_\_\_\_

**Chain-of-Custody Record and Analysis Request**

Project Address:  
**3004 Amador Rd.  
 Sunol CA**

Sampling	Container				Preservatives				Matrix	
	40 ml VOA	SLEEVE			HCl	HNO <sub>3</sub>	KCl	NONE	WATER	SOIL

Sample Designation

Sample Designation	Date	Time	40 ml VOA	SLEEVE	HCl	HNO <sub>3</sub>	KCl	NONE	WATER	SOIL
- 4S/IE-20-G2	4/10/03	1000	3		X	X			X	
- 4S/IE-20-A1		1055	3							
- 4S/IE-20-B1		1050	3							
- 4S/IE-20-H2		1115	3							
- 4S/IE-20-A2	4/10/03	1025	3		X	X			X	

Analysis Request										TAT					
BTX (8201B)	BTX/TPH Gas/Aque (8215/8201B)	TPH as Dissolved (8201B)	TPH as Methyl Ox (8201B)	TPH Gas/TPH/Aque (8200B)	5 Organohal/TPH Gas/STEX (8200B)	7 Organohal/TPH Gas/STEX (8200B)	6 Organohal (8200B)	7 Organohal (8200B)	Lead Sum. (1.2 DCA & 1.2 EDB - 8200B)	EPA 8200B (Full List)	Volatile Hydrocarbons (EPA 8200B)	Lead (74212083) TOTAL (g) W.E.T. (g)	External (8200B)	24 Hr TAT	For Lab Use Only
					X								X	24	01
															02
															03
															04
					X								X	24	05

Relinquished by: _____	Date: <u>4/10/03</u> Time: <u>1245</u>	Received by: _____
Relinquished by: _____	Date: _____ Time: _____	Received by: _____
Relinquished by: _____	Date: <u>04/10/03</u> Time: <u>1620</u>	Received by Laboratory: <u>NATHAN SPENCER</u>

Remarks: **No Lead - 24 Hr TAT.**

Bill to: \_\_\_\_\_

Sent By: HP LaserJet 3100; 151023227288; Apr-14-03 10:33; Page 11/11