

Sunol Tree Service, 3004 Andrade Road, Sunol, California  
EBS Project #598

April 16, 2002

Mr. John Sutfin  
General Contractor  
Superior Underground Tank Service  
P.O. Box 1487  
San Ramon, CA 94583-1487

Re: Sample four 21,000 gallon tanks (groundwater)  
Sunol Tree Service  
3004 Andrade Road  
Sunol, California

Dear John:

Environmental Bio-Systems, Inc. (EBS) was retained by your firm to prepare and carry out the scope of work described within this report. All work was carried out at the above mentioned facility located at the Sunol Tree Service, 3004 Andrade Road in Sunol, California (the Site).

EBS was retained to collect water samples from each of four 21,000 gallon Rain for Rent above ground storage tanks. The four samples were collected by James A. Jacobs, CHG#88 on April 9, 2002. The laboratory ran the samples on a 24-hour turn-around, as specified by SUTS. A chain of custody was initiated in the field and accompanied all submitted samples to the laboratory.

### GROUNDWATER SAMPLE ANALYSES

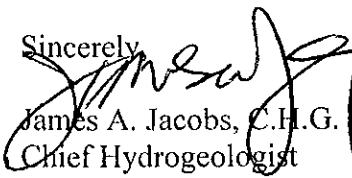
Severn Trent Services (SVT) of Pleasanton, California analyzed all water samples. The California environmental laboratory accreditation program (ELAP) has certified SVT for the requested analyses.

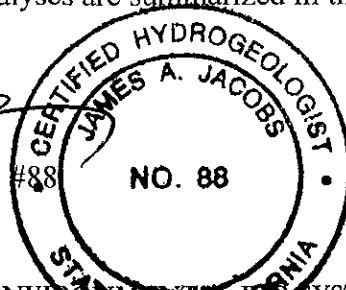
All water samples submitted for laboratory:

- TPH-g and TPH-d using Environmental Protection Agency (EPA) Method 8015 (modified).
- BTEX and MTBE using EPA Method 8021B

The results of sample analyses are summarized in the attached table. Please call me if you have any questions.

Sincerely,

  
James A. Jacobs, C.H.G. #88  
Chief Hydrogeologist



ENVIRONMENTAL BIO-SYSTEMS, INC.  
707 View Point Road, Mill Valley, CA 94941  
Tel: 415-381-5195; Fax: 510-381-5816; email: augerpro@jps.net

**TABLE 1 - LABORATORY ANALYTICAL SUMMARY**

**Sunol Tree Service**

3004 Andrade Road, Sunol, California

Sampled: Jim Jacobs, EBS; 4/9/02; Analyzed: 4/10/02

Summary of Water Sampling Results (ppb (ug/Kg) unless noted)

Sample #	Tank #	TPHg	benzene	toluene	ethylbenzene	xylenes	MTBE	TPHd
Tank 1	255557	65	ND	ND	ND	ND	73	ND
Tank 2	245100	110	ND	ND	ND	ND	100	ND
Tank 3	254288	170	ND	ND	ND	ND	190	110
Tank 4	255565	82	ND	ND	ND	ND	82	ND
Reporting Limits		50	0.5	0.5	0.5	0.5	5	50

< 50 or <0.50 Below reporting limit; or "non detect"; ND

Prepared by Environmental Bio-Systems, Inc. 4/10/02

Submission #: 2002-04-0147

Date: April 10, 2002



**EBS**

707 View Point Road  
Mill Valley, CA 94941

Attn: Mr. Jim Jacobs

Project: EBS598  
SUTS/Sunol

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Tel 925 484 1919  
Fax 925 484 1096  
www.stl-inc.com  
www.chromalab.com  
CA DHS ELAP#1094

Jim,

Attached is our report for your samples received on Tuesday April 9, 2002  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
May 24, 2002 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [tgranicher@chromalab.com](mailto:tgranicher@chromalab.com)

Sincerely,

A handwritten signature in black ink, appearing to read "T. Granicher".

Tod Granicher  
Project Manager

Submission #: 2002-04-0147

Diesel



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<b>EBS</b>	☒ 707 View Point Road Mill Valley, CA 94941
Attn: Jim Jacobs	Phone: (415) 381-5195 Fax: (415) 381-5816
EBS598	Project: SUTS/Sunol

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
TANK 1, 255557	Water	04/09/2002 12:30	1
TANK 2, 254100	Water	04/09/2002 12:35	2
TANK 3, 254288	Water	04/09/2002 12:40	3
TANK 4, 255565	Water	04/09/2002 12:45	4

Submission #: 2002-04-0147

Diesel



EBS

Attn: Jim Jacobs

Test Method: 8015M

Prep Method: 3510/8015M

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Sample ID: <b>TANK 1, 255557</b>	Lab Sample ID: 2002-04-0147-001
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:30	Extracted: 04/09/2002 15:21
Matrix: Water	QC-Batch: 2002/04/09-04.10

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www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	04/10/2002 09:04	-
<b>Surrogate(s)</b> o-Terphenyl	87.6	60-130	%	1.00	04/10/2002 09:04	-

Submission #: 2002-04-0147

Diesel

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Test Method: 8015M

Prep Method: 3510/8015M



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CA DHS ELAP#1094

Sample ID: <b>TANK 2, 254100</b>	Lab Sample ID: 2002-04-0147-002
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:35	Extracted: 04/09/2002 15:21
Matrix: Water	QC-Batch: 2002/04/09-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	04/10/2002 08:26	-
<i>Surrogate(s)</i> o-Terphenyl	89.8	60-130	%	1.00	04/10/2002 08:26	-

Submission #: 2002-04-0147



Diesel

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Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID: TANK 3, 254288	Lab Sample ID: 2002-04-0147-003
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:40	Extracted: 04/09/2002 15:21
Matrix: Water	QC-Batch: 2002/04/09-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	110	50	ug/L	1.00	04/10/2002 07:49	ndp
<i>Surrogate(s)</i> o-Terphenyl	94.3	60-130	%	1.00	04/10/2002 07:49	

Submission #: 2002-04-0147

Diesel

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Test Method: 8015M

Prep Method: 3510/8015M



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CA DHS ELAP#1094

Sample ID: <b>TANK 4, 255565</b>	Lab Sample ID: 2002-04-0147-004
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:45	Extracted: 04/09/2002 15:21
Matrix: Water	QC-Batch: 2002/04/09-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	04/10/2002 08:26	-
<i>Surrogate(s)</i> o-Terphenyl	110.2	60-130	%	1.00	04/10/2002 08:26	-





Submission #: 2002-04-0147



Diesel

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015M

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/09-04.10  
 LCS: 2002/04/09-04.10-002 Extracted: 04/09/2002 15:21 Analyzed: 04/10/2002 07:53  
 LCSD: 2002/04/09-04.10-003 Extracted: 04/09/2002 15:21 Analyzed: 04/10/2002 08:31

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Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	978	1050	1250	1250	78.2	84.0	7.2	60-130	25		
<b>Surrogate(s)</b>											
o-Terphenyl	18.0	19.3	20.0	20.0	90.0	96.7		60-130	0		

Submission #: 2002-04-0147

Diesel

**Legend & Notes**

Test Method: 8015M

Prep Method: 3510/8015M

**Analyte Flags**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard



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Submission #: 2002-04-0147

Gas/BTEX Compounds by 8015M/8021



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CA DHS ELAP#1094

<b>EBS</b>	✉ 707 View Point Road Mill Valley, CA 94941
Attn: Jim Jacobs	Phone: (415) 381-5195 Fax: (415) 381-5816
EBS598	Project: SUTS/Sunol

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
TANK 1, 255557	Water	04/09/2002 12:30	1
TANK 2, 254100	Water	04/09/2002 12:35	2
TANK 3, 254288	Water	04/09/2002 12:40	3
TANK 4, 255565	Water	04/09/2002 12:45	4

Submission #: 2002-04-0147

Gas/BTEX Compounds by 8015M/8021



EBS

Test Method: 8015M  
8021B

Attn: Jim Jacobs

Prep Method: 5030

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Sample ID: <b>TANK 1, 255557</b>	Lab Sample ID: 2002-04-0147-001
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:30	Extracted: 04/09/2002 16:00
Matrix: Water	QC-Batch: 2002/04/09-01.02

Tel 925 484 1919  
Fax 925 484 1096  
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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	65	50	ug/L	1.00	04/09/2002 16:00	9
Benzene	ND	0.50	ug/L	1.00	04/09/2002 16:00	
Toluene	ND	0.50	ug/L	1.00	04/09/2002 16:00	
Ethyl benzene	ND	0.50	ug/L	1.00	04/09/2002 16:00	
Xylene(s)	ND	0.50	ug/L	1.00	04/09/2002 16:00	
MTBE	73	5.0	ug/L	1.00	04/09/2002 16:00	
<b>Surrogate(s)</b>						
Trifluorotoluene	90.3	58-124	%	1.00	04/09/2002 16:00	
4-Bromofluorobenzene-FID	97.6	50-150	%	1.00	04/09/2002 16:00	

Submission #: 2002-04-0147



Gas/BTEX Compounds by 8015M/8021

EBS

Test Method: 8015M  
8021B

Attn: Jim Jacobs

Prep Method: 5030

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Sample ID: <b>TANK 2, 254100</b>	Lab Sample ID: 2002-04-0147-002
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:35	Extracted: 04/09/2002 16:31
Matrix: Water	QC-Batch: 2002/04/09-01.02

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	110	50	ug/L	1.00	04/09/2002 16:31	g
Benzene	ND	0.50	ug/L	1.00	04/09/2002 16:31	
Toluene	ND	0.50	ug/L	1.00	04/09/2002 16:31	
Ethyl benzene	ND	0.50	ug/L	1.00	04/09/2002 16:31	
Xylene(s)	ND	0.50	ug/L	1.00	04/09/2002 16:31	
MTBE	100	5.0	ug/L	1.00	04/09/2002 16:31	
<b>Surrogate(s)</b>						
Trifluorotoluene	94.0	58-124	%	1.00	04/09/2002 16:31	
4-Bromofluorobenzene-FID	104.4	50-150	%	1.00	04/09/2002 16:31	

Submission #: 2002-04-0147



Gas/BTEX Compounds by 8015M/8021

EBS

Test Method: 8015M  
8021B

Attn: Jim Jacobs

Prep Method: 5030

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Sample ID: <b>TANK 3, 254288</b>	Lab Sample ID: 2002-04-0147-003
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:40	Extracted: 04/10/2002 01:26
Matrix: Water	QC-Batch: 2002/04/09-01.02

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	170	100	ug/L	2.00	04/10/2002 01:26	g
Benzene	ND	1.0	ug/L	2.00	04/10/2002 01:26	
Toluene	ND	1.0	ug/L	2.00	04/10/2002 01:26	
Ethyl benzene	ND	1.0	ug/L	2.00	04/10/2002 01:26	
Xylene(s)	ND	1.0	ug/L	2.00	04/10/2002 01:26	
MTBE	190	10	ug/L	2.00	04/10/2002 01:26	
<b>Surrogate(s)</b>						
Trifluorotoluene	76.4	58-124	%	2.00	04/10/2002 01:26	
4-Bromofluorobenzene-FID	88.3	50-150	%	2.00	04/10/2002 01:26	

Submission #: 2002-04-0147



Gas/BTEX Compounds by 8015M/8021

EBS

Test Method: 8015M  
8021B

Attn: Jim Jacobs

Prep Method: 5030

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Sample ID: <b>TANK 4, 255565</b>	Lab Sample ID: 2002-04-0147-004
Project: EBS598 SUTS/Sunol	Received: 04/09/2002 14:13
Sampled: 04/09/2002 12:45	Extracted: 04/09/2002 17:34
Matrix: Water	QC-Batch: 2002/04/09-01.02

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www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	82	50	ug/L	1.00	04/09/2002 17:34	9
Benzene	ND	0.50	ug/L	1.00	04/09/2002 17:34	
Toluene	ND	0.50	ug/L	1.00	04/09/2002 17:34	
Ethyl benzene	ND	0.50	ug/L	1.00	04/09/2002 17:34	
Xylene(s)	ND	0.50	ug/L	1.00	04/09/2002 17:34	
MTBE	82	5.0	ug/L	1.00	04/09/2002 17:34	
<b>Surrogate(s)</b>						
Trifluorotoluene	97.0	58-124	%	1.00	04/09/2002 17:34	
4-Bromofluorobenzene-FID	104.7	50-150	%	1.00	04/09/2002 17:34	





Submission #: 2002-04-0147



Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B

Prep Method: 5030

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/09-01.02  
 LCS: 2002/04/09-01.02-004 Extracted: 04/09/2002 09:01 Analyzed: 04/09/2002 09:01  
 LCSD: 2002/04/09-01.02-005 Extracted: 04/09/2002 09:33 Analyzed: 04/09/2002 09:33

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CA DHS ELAP#1094

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	90.8	88.7	100.0	100.0	90.8	88.7	2.3	77-123	20		
Toluene	90.6	88.4	100.0	100.0	90.6	88.4	2.5	78-122	20		
Ethyl benzene	93.9	92.0	100.0	100.0	93.9	92.0	2.0	70-130	20		
Xylene(s)	279	272	300	300	93.0	90.7	2.5	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	385	378	500	500	77.0	75.6		58-124			

Submission #: 2002-04-0147



Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8015M

Prep Method: 5030

**Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/09-01.02**  
 LCS: 2002/04/09-01.02-006 Extracted: 04/09/2002 10:04 Analyzed: 04/09/2002 10:04  
 LCSD: 2002/04/09-01.02-007 Extracted: 04/09/2002 10:36 Analyzed: 04/09/2002 10:36

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Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline <b>Surrogate(s)</b>	556	546	500	500	111.2	109.2	1.8	75-125	20		
4-Bromofluorobenzene	481	464	500	500	96.2	92.8		50-150			

Submission #: 2002-04-0147



Gas/BTEX Compounds by 8015M/8021

**Legend & Notes**

Test Method: 8021B  
8015M

Prep Method: 5030

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**Analyte Flags**

CA DHS ELAP#1094

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard

