

**ENVIRONMENTAL
BIO-SYSTEMS, INC.****FACSIMILE COVER SHEET**DATE: 10 / 26 / 99 URGENT: YES / NOTO: Eva ChuOF: Alameda CountyFACSIMILE NUMBER: (510)337-9335FROM: Tim Babcock

Initial lab results for 1420 162nd Ave., San Leandro. Lead couldn't be run on a same day, and has been delayed. Please let me know as soon as you can if water impact is great enough to prevent closure as is. We will be pumping water from the site at 9 am today and will collect a recharge if needed.

Thanks again.

Tim

NUMBER OF PAGES (including cover): 8Original to follow via: N/A

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**Analytical Sciences**

Report Date: October 25, 1999

Environmental Bio-Systems, Inc.
P.O. Box 7171
San Jose, CA 95150-7171
ATTN: Tim Babcock

LABORATORY REPORTProject Name: **L & D Scaffold 158-539A**Lab Project Number: **9102502**

This 6 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director

**TPH Gasoline in Soil Composite**

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (mg/kg)</u>	<u>RDL (mg/kg)</u>
4778	C1 A thru D Composite	TPH/Gasoline	ND	1.0
		MTBE	ND	0.025
		Benzene	ND	0.005
		Toluene	ND	0.005
		Ethyl Benzene	ND	0.005
		Xylenes	ND	0.015

Date Sampled: 10/25/98	Date Analyzed: 10/25/99	QC Batch #: 941
Date Received: 10/25/99	Method: EPA 5030/5015M/8020	
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		



TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
4779	W1	TPH/Gasoline	2700 (1)	50
		Benzene	13	0.5
		Toluene	34	0.5
		Ethyl Benzene	3.4	0.5
		Xylenes	16	1.5

Date Sampled: 10/25/99	Date Analyzed: 10/25/99	QC Batch #: 943
Date Received: 10/25/99	Method: EPA 8030/8015M/8020	
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

(1) TPH Gasoline result consist primarily of MTBE.

Oxygenated Gasoline Additives by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
4779	W1	tert-butyl alcohol (TBA)	ND	2000
		methyl tert-butyl ether (MTBE)	2600	100
		di-isopropyl ether (DIPE)	ND	100
		ethyl tert-butyl ether (ETBE)	ND	100
		tert-amyl methyl ether (TAME)	ND	100

Surrogates (ug/L)	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (50)	53.7	107	70 - 130

Date Sampled: 10/25/99	Date Analyzed: 10/25/99	QC Batch #: 943a
Date Received: 10/25/99	Method: EPA 8260M	
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		



LABORATORY QUALITY ASSURANCE REPORT

QC Batch #: 941

Lab Project #: 9102502

Sample ID	Compound	Result (mg/kg)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample #	Sample ID	Compound	Result (mg/kg)	Spike Level	% Recv.
4755	CMS	TPH/Gas		NS	
	CMS	Benzene	0.0243	0.0237	103
	CMS	Toluene	0.0238	0.0237	100
	CMS	Ethyl Benzene	0.0223	0.0237	94.1
	CMS	Xylenes	0.0687	0.0710	96.8

Sample #	Sample ID	Compound	Result (mg/kg)	Spike Level	% Recv.	RPD
4755	CMSD	TPH/Gas		NS		
	CMSD	Benzene	0.0253	0.0237	107	4.0
	CMSD	Toluene	0.0238	0.0237	100	0.0
	CMSD	Ethyl Benzene	0.0230	0.0237	97.0	3.1
	CMSD	Xylenes	0.0707	0.0710	99.6	2.9

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCS	TPH/Gas	7.88	NS	100	4.8

FROM : EBS

PHONE NO. : 4082643123

Oct. 26 1999 09:14AM P6

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LCS	Ethyl Benzene	7.69	8.00	95.1	3.3
LCS	Xylenes	21.4	24.0	89.2	4.6

MB = Method Blank, LCS = Laboratory Control Sample, CMS = Client Matrix Spike, CMSD = Client Matrix Spike Duplicate
NS = Not Spiked, OR = Over Calibration Range



QC Batch #: 943a

Lab Project #: 9102502

Sample ID	Compound	Result (ug/L)
MB	methyl tert-butyl ether (MTBE)	ND
MB	di-isopropyl ether (DIPE)	ND
MB	ethyl tert-butyl ether (ETBE)	ND
MB	tert-amyl methyl ether (TAME)	ND

Surrogate (ug/L)	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (SD)	54.7	109	70 - 130

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	methyl tert-butyl ether (MTBE)	53.3	48.0	111
LCS	di-isopropyl ether (DIPE)	52.0	48.0	108
LCS	ethyl tert-butyl ether (ETBE)	51.8	46.8	111
LCS	tert-amyl methyl ether (TAME)	98.3	86.4	114

Surrogate (ug/L)	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (SD)	54.3	109	70 - 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
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Oct. 26 1999 09:15AM PB

PHONE NO. : 4082643123

FROM : EBS

Oct-25-99 08:07P Analytical Sciences 707 769 8093

P.07



ENVIRONMENTAL BIO-SYSTEMS, INC.
 Innovative Solutions for a Better Environment
 P.O. Box 7171
 San Jose, CA 95150-7171
 (408) 979-8600

CHAIN OF CUSTODY

ADDITIONAL INSTRUCTIONS:

LAB PROJECT # 9102502 (RUSH)

Results Attn: Tim Babcock
 MBE Confirmation by 8260
 Total Pb for CIA-D and W1
 to be run on normal TAT.

PROJECT NUMBER: 158-539A
 CLIENT: LED Scaffold
 SITE: 1420 162nd Ave.
 San Leandro, CA

SAMPLE ID	MATRIX	NUMBER OF CONTAINERS	COMPOSITE	ANALYTES														
				TPH ₄	BTEX	MIB	Pb											
S1	soil	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S2	↓	↓	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S3	↓	↓	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CIA-D	soil	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
W1	water	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

TIME COLLECTED	TURNAROUND	LAB NUMBER
2:25	Normal	
3:00	↓	SEE LAB PROJECT
3:10	↓	#9102501
11:00	Sameday	4778
2:15	Sameday	4779

DATE SAMPLING COMPLETED: 10/25/99

SAMPLING PERFORMED BY: Tim Babcock

RELEASED BY:

RELEASED BY:

RELEASED BY:

DATE: 10/25/99

TIME: 3:15

DATE:

DATE: 10/25/99

TIME: 3:15

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:

DATE: 10/25/99

TIME: 3:15

SHIPPED VIA:

DATE SENT:

TIME SENT:

COOLER #:

Analytical Sciences

QC Batch #: 943Lab Project #: 9102502

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	TPH/Gas		NS	
LCS	Benzene	8.33	8.00	104
LCS	Toluene	7.98	8.00	99.8
LCS	Ethyl Benzene	7.85	8.00	98.1
LCS	Xylenes	22.4	24.0	93.3

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCS	TPH/Gas		NS		
LCS	Benzene	7.86	8.00	98.2	5.8
LCS	Toluene	7.59	8.00	94.9	5.0
LCS	Ethyl Benzene	7.69	8.00	96.1	3.3
LCS	Xylenes	21.4	24.0	89.2	4.6

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 NS = Not Spiked; OR = Over Calibration Range