

202463

GRIBI Associates*Geological and Environmental Consulting Services*

June 18, 1999

Mr. Mike Alo
Liquid Sugars, Inc.
P O Box 96
Oakland, CA 94604

Subject: Soil Boring Results
1269 65th Street, Emeryville, California
GA Project No. 149-03-01

Dear Mr. Alo:

This letter provides results from an investigative soil boring (IB-1) drilled on the Liquid Sugars, Inc. 1269 65th Street parcel on Thursday, May 27, 1999. This boring, which was located adjacent to the truck cleaning area as shown on Figure 1, was drilled to a total depth of about 16 feet below surface grade using Geoprobe™ hydraulically-driven coring equipment. The boring was logged by a qualified Gribi Associates scientist, and soil and grab groundwater samples were collected in accordance with applicable sampling protocols.

Soils encountered in IB-1, as shown on the attached boring log, consisted of brown to grey clayey silts down to about three feet in depth, followed by dark grey to tan silty clays from three feet to 16 feet in depth. Groundwater was encountered in the boring at a depth of about six feet below surface grade. No hydrocarbon or unusual odors or staining were noted in soil or groundwater samples collected from the boring.

Soil samples collected at depths of 3.5 feet and 7.5 feet below surface, as well as the grab groundwater sample, were analyzed for Total Oil and Grease (TOG). In addition, the shallow soil sample and the grab groundwater sample were analyzed for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs). The only detected analytes were: (1) TOG concentrations of 28 parts per million (ppm) and 26 ppm in the soil samples collected at depths of 3.5 feet and 7.5 feet, respectively; and (2) 0.013 ppm of Methylene Chloride in the grab groundwater sample. The levels of TOG in the two soil samples are only slightly above the 25 ppm method detection level for TOG, and the concentration of Methylene Chloride in the grab groundwater sample is only slightly above the 0.010-ppm method detection level for this VOC.

Both field and laboratory results indicate no significant hydrocarbon releases in the vicinity of the truck washing area.

Mr. Mike Alo
Liquid Sugars, Inc.
June 18, 1999
Page 2

We appreciate the opportunity to assist you with this project. Please call if you have questions or require additional information.

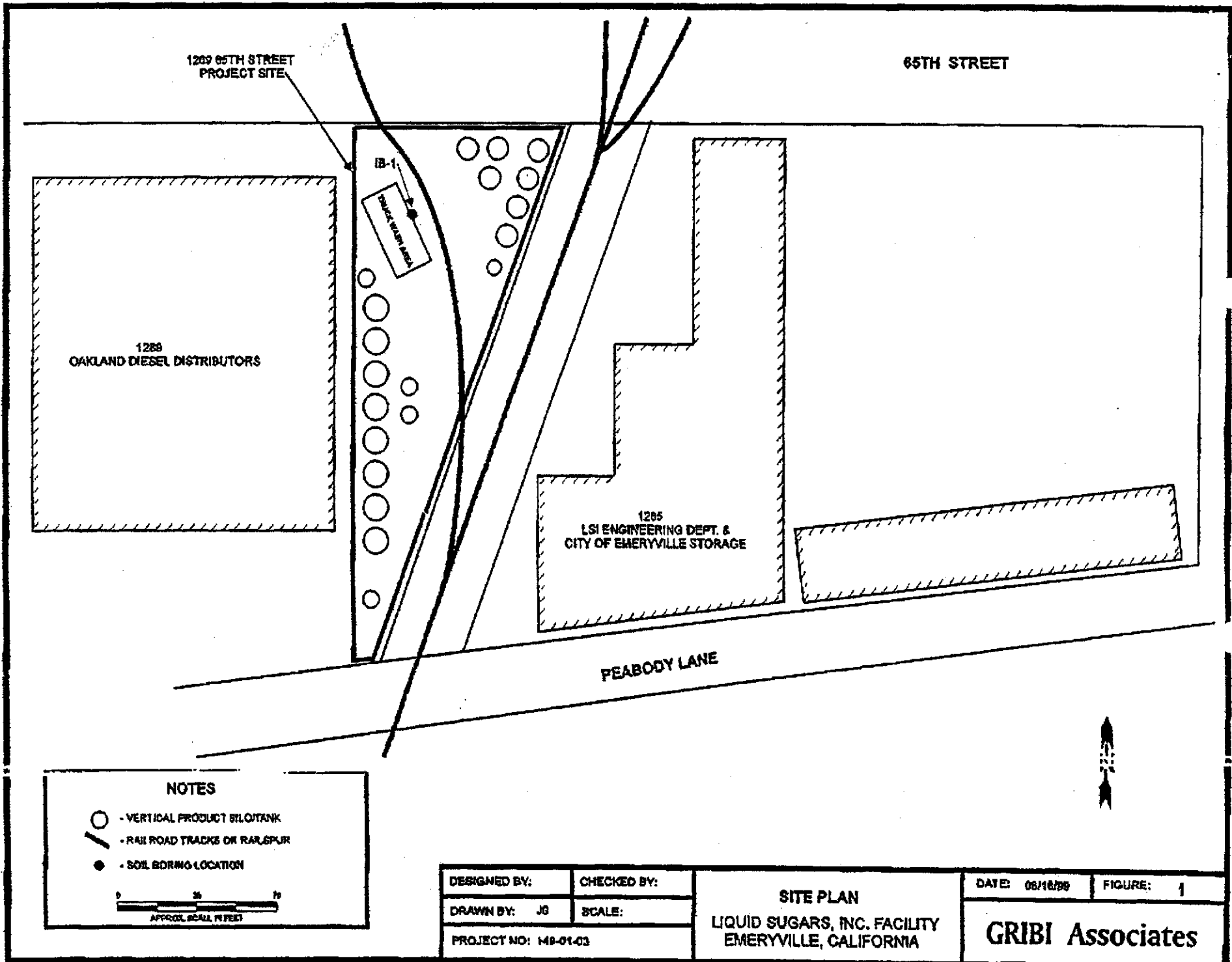
Very truly yours,

James E. Gribi
Registered Geologist
California No. 5843

JEG/ct
Enclosure

c Rory Campbell; Hanson Bridgett
Charles Seaman; Crosby, Heafy, Roach & May —

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NOTES

- - VERTICAL PRODUCT SILO/TANK
- — — - RAIL ROAD TRACKS OR RAILSPUR
- - SOIL BORING LOCATION

0 30 70
APPROX. SCALE, IN FEET

DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 148-01-03	

SITE PLAN
 LIQUID SUGARS, INC. FACILITY
 EMERYVILLE, CALIFORNIA

DATE: 08/16/99	FIGURE: 1
GRIBI Associates	



Acculabs Inc.

Davis

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Sample Log 20090
June 08, 1999

Jim Gribi
Gribi Associates
1350 Hayes Street, #C-14
Benicia, CA 94510

Subject : 1 Water and 3 Soil samples
Project Name : LSI - SOUTH
Project Number : 149-01-03

Dear Mr. Gribi,

Chemical analysis on 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. USEPA protocols for sample storage and preservation were followed.

Acculabs - Davis is certified by the State of Arizona (AZ0583) and the State of California (# 2330). If you have any questions regarding procedures or results, please call me at 530-757-0920.

Sincerely,

Tom Kwoka



Acculabs Inc.

Davis

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Sample Log 20090

June 04, 1999

EPA 8260B

Sample Name : IB-1.1 (3.5')

Project Name : LSI - SOUTH

Project Number : 149-01-03

Sample Date : 05/27/99

Date Analyzed : 06/03/99

Date Received : 05/28/99

Dilution : 1:1

Sample Matrix : Sol

Lab Number : 20130-01

Parameter	MRL	Measured Conc.	Units
Dichlorodifluoromethane	0.010	<0.010	mg/Kg
Chloromethane	0.010	<0.010	mg/Kg
Vinyl Chloride	0.010	<0.010	mg/Kg
Bromomethane	0.010	<0.010	mg/Kg
Chloroethane	0.010	<0.010	mg/Kg
Trichlorofluoromethane	0.0050	<0.0050	mg/Kg
1,1-Dichloroethene	0.0050	<0.0050	mg/Kg
Methylene Chloride	0.0050	<0.0050	mg/Kg
trans-1,2-Dichloroethene	0.0050	<0.0050	mg/Kg
1,1-Dichloroethane	0.0050	<0.0050	mg/Kg
cis-1,2-Dichloroethene	0.0050	<0.0050	mg/Kg
2,2-Dichloropropane	0.0050	<0.0050	mg/Kg
Chloroform	0.0050	<0.0050	mg/Kg
Bromochloromethane	0.0050	<0.0050	mg/Kg
1,1,1-Trichloroethane	0.0050	<0.0050	mg/Kg
1,2-Dichloroethane	0.0050	<0.0050	mg/Kg
1,1-Dichloropropene	0.0050	<0.0050	mg/Kg
Carbon Tetrachloride	0.0050	<0.0050	mg/Kg
Benzene	0.0050	<0.0050	mg/Kg
1,2-Dichloropropane	0.0050	<0.0050	mg/Kg
Trichloroethene	0.0050	<0.0050	mg/Kg
Dibromomethane	0.0050	<0.0050	mg/Kg
Bromodichloromethane	0.0050	<0.0050	mg/Kg
cis-1,3-Dichloropropene	0.0050	<0.0050	mg/Kg
trans-1,3-Dichloropropene	0.0050	<0.0050	mg/Kg
Toluene	0.0050	<0.0050	mg/Kg
1,1,2-Trichloroethane	0.0050	<0.0050	mg/Kg
1,3-Dichloropropane	0.0050	<0.0050	mg/Kg
Dibromochloromethane	0.0050	<0.0050	mg/Kg
Tetrachloroethene	0.0050	<0.0050	mg/Kg
1,2-Dibromoethane	0.0050	<0.0050	mg/Kg
Chlorobenzene	0.0050	<0.0050	mg/Kg
1,1,1,2-Tetrachloroethane	0.0050	<0.0050	mg/Kg

MRL = Method Reporting Limit Cono. = Concentration

B = Analyte was detected in Method Blank.

E = Concentration exceeded calibration range.

Approved By :

Tom Kwoka
Tom Kwoka



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EPA 8260B

Sample Log 20090
June 04, 1999

Sample Name : IB-1.1 (3.5')

Project Name : LSI - SOUTH

Project Number : 149-01-03

Sample Date : 05/27/99

Date Analyzed : 06/03/99

Date Received : 06/28/99

Dilution : 1:1

Sample Matrix : Sci

Lab Number : 20090-01

Parameter	MRL	Measured Conc.	Units
Ethylbenzene	0.0050	<0.0050	mg/Kg
P- & M-Xylene	0.0050	<0.0050	mg/Kg
Bromoforn	0.0050	<0.0050	mg/Kg
O-Xylene	0.0050	<0.0050	mg/Kg
Styrene	0.0050	<0.0050	mg/Kg
1,1,2,2-Tetrachloroethane	0.0050	<0.0050	mg/Kg
1,2,3-Trichloropropane	0.0050	<0.0050	mg/Kg
Isopropylbenzene	0.0050	<0.0050	mg/Kg
Bromobenzene	0.0050	<0.0050	mg/Kg
2-Chlorotoluene	0.0050	<0.0050	mg/Kg
n-Propylbenzene	0.0050	<0.0050	mg/Kg
4-Chlorotoluene	0.0050	<0.0050	mg/Kg
1,3,5-Trimethylbenzene	0.0050	<0.0050	mg/Kg
tert-Butylbenzene	0.0050	<0.0050	mg/Kg
1,2,4-Trimethylbenzene	0.0050	<0.0050	mg/Kg
sec-Butylbenzene	0.0050	<0.0050	mg/Kg
1,3-Dichlorobenzene	0.0050	<0.0050	mg/Kg
p-Isopropyltoluene	0.0050	<0.0050	mg/Kg
1,4-Dichlorobenzene	0.0050	<0.0050	mg/Kg
1,2-Dichlorobenzene	0.0050	<0.0050	mg/Kg
n-Butylbenzene	0.0050	<0.0050	mg/Kg
1,2-Dibromo-3-chloropropane	0.0050	<0.0050	mg/Kg
1,2,4-Trichlorobenzene	0.0050	<0.0050	mg/Kg
Naphthalene	0.0050	<0.0050	mg/Kg
Hexachlorobutadiene	0.0050	<0.0050	mg/Kg
1,2,3-Trichlorobenzene	0.0050	<0.0050	mg/Kg
Dibromofluoromethane		116	% Recovery
Toluene-d8		98	% Recovery
4-Bromofluorobenzene		112	% Recovery

MRL = Method Reporting Limit Conc. = Concentration

B = Analyte was detected in Method Blank.

E = Concentration exceeded calibration range.

Approved By :


Tom Kwoka



Acculabs Inc.

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EPA 8260B

Sample Log 20090
June 08, 1999

Sample Name : IB-1W

Project Name : LSI - SOUTH

Project Number : 149-01-03

Sample Date : 05/27/99

Date Analyzed : 06/08/99

Date Received : 05/28/99

Dilution : 1:1

Sample Matrix : Water

Lab Number : 2C190-04


Parameter	MRL	Measured Conc.	Units
Dichlorodifluoromethane	10	<10	ug/L
Chloromethane	10	<10	ug/L
Vinyl Chloride	10	<10	ug/L
Bromomethane	10	<10	ug/L
Chloroethane	10	<10	ug/L
Trichlorofluoromethane	5.0	<5.0	ug/L
1,1-Dichloroethene	5.0	<5.0	ug/L
Methylene Chloride	10	13	ug/L
trans-1,2-Dichloroethene	5.0	<5.0	ug/L
1,1-Dichloroethane	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	5.0	<5.0	ug/L
2,2-Dichloropropane	5.0	<5.0	ug/L
Chloroform	5.0	<5.0	ug/L
Bromochloromethane	5.0	<5.0	ug/L
1,1,1-Trichloroethane	5.0	<5.0	ug/L
1,2-Dichloroethane	5.0	<5.0	ug/L
1,1-Dichloropropene	5.0	<5.0	ug/L
Carbon Tetrachloride	5.0	<5.0	ug/L
Benzene	5.0	<5.0	ug/L
1,2-Dichloropropane	5.0	<5.0	ug/L
Trichloroethene	5.0	<5.0	ug/L
Dibromomethane	5.0	<5.0	ug/L
Bromodichloromethane	5.0	<5.0	ug/L
cis-1,3-Dichloropropene	5.0	<5.0	ug/L
trans-1,3-Dichloropropene	5.0	<5.0	ug/L
Toluene	5.0	<5.0	ug/L
1,1,2-Trichloroethane	5.0	<5.0	ug/L
1,3-Dichloropropane	5.0	<5.0	ug/L
Dibromochloromethane	5.0	<5.0	ug/L
Tetrachloroethene	5.0	<5.0	ug/L
1,2-Dibromoethane	5.0	<5.0	ug/L
Chlorobenzene	5.0	<5.0	ug/L
1,1,1,2-Tetrachloroethane	5.0	<5.0	ug/L

MRL = Method Reporting Limit Conc. = Concentration

B = Analyte was detected in Method Blank

E = Concentration exceeded calibration range.

Approved By :


Tom Kwaka



Acculabs Inc.

Davis

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EPA 8260B

Sample Log 20090
June 08, 1999

Sample Name : IB-1W

Project Name : LSI - SOUTH

Project Number : 149-01-03

Sample Date : 05/27/99

Date Analyzed : 06/08/99

Date Received : 06/28/99

Dilution : 1:1

Sample Matrix : Water

Lab Number : 20090-04

Parameter	MRL	Measured Conc.	Units
Ethylbenzene	5.0	<5.0	ug/L
P-& M-Xylene	5.0	<5.0	ug/L
Bromoform	5.0	<5.0	ug/L
O-Xylene	5.0	<5.0	ug/L
Styrene	5.0	<5.0	ug/L
1,1,2,2-Tetrachloroethane	5.0	<5.0	ug/L
1,2,3-Trichloropropane	5.0	<5.0	ug/L
Isopropylbenzene	5.0	<5.0	ug/L
Bromobenzene	5.0	<5.0	ug/L
2-Chlorotoluene	5.0	<5.0	ug/L
n-Propylbenzene	5.0	<5.0	ug/L
4-Chlorotoluene	5.0	<5.0	ug/L
1,3,5-Trimethylbenzene	5.0	<5.0	ug/L
tert-Butylbenzene	5.0	<5.0	ug/L
1,2,4-Trimethylbenzene	5.0	<5.0	ug/L
sec-Butylbenzene	5.0	<5.0	ug/L
1,3-Dichlorobenzene	5.0	<5.0	ug/L
p-Isopropyltoluene	5.0	<5.0	ug/L
1,4-Dichlorobenzene	5.0	<5.0	ug/L
1,2-Dichlorobenzene	5.0	<5.0	ug/L
n-Butylbenzene	5.0	<5.0	ug/L
1,2-Dibromo-3-chloropropane	5.0	<5.0	ug/L
1,2,4-Trichlorobenzene	5.0	<5.0	ug/L
Naphthalene	5.0	<5.0	ug/L
Hexachlorobutadiene	5.0	<5.0	ug/L
1,2,3-Trichlorobenzene	5.0	<5.0	ug/L
Dibromofluoromethane		109	% Recovery
Toluene-d8		106	% Recovery
4-Bromofluorobenzene		97	% Recovery

MRL = Method Reporting Limit Conc. = Concentration

B = Analyte was detected in Method Blank.

E = Concentration exceeded calibration range.

Approved By :


Tom Kwaka



Acculabs Inc. - Davis

EPA 8260B QC Report

Matrix: Soil

Date Analyzed: 6/3/99

QC Batch: VS990603

QC Limits Set: 4/1/99

Parameter	Spike Conc mg/Kg	LCS % Rec	LCSD % Rec	RPD	Control Chart Limits	
					Lower	Upper
1,1-Dichloroethene	0.050	92	85	7.3	35	113
Benzene	0.050	97	99	1.4	80	128
Trichloroethene	0.050	91	90	1.6	70	106
Toluene	0.050	108	97	10.3	55	129
Chlorobenzene	0.050	100	100	0.3	87	112

Parameter	Control Chart Limits	
	Lower	Upper
Dibromofluoromethane	71	138
Toluene-d8	54	131
4-Bromofluorobenzene	41	122


 Tom Kwoka
 Laboratory Director



Acculabs Inc. - Davis

EPA 8260B QC Report

Matrix: Water

Date Analyzed: 6/7/99

QC Batch: VW990607

QC Limits Set: 4/1/99

Parameter	Spike Conc ug/L	LCS % Rec	LCSD % Rec	RPD	Control Chart Limits	
					Lower	Upper
1,1-Dichloroethene	50	106	107	0.8	25	134
Benzene	50	112	112	0.1	83	127
Trichloroethene	50	105	106	1.0	63	114
Toluene	50	108	108	0.0	53	131
Chlorobenzene	50	108	107	0.9	87	112

Surrogate Compound	Control Chart Limits	
	Lower	Upper
Dibromofluoromethane	76	132
Toluene-d8	64	123
4-Bromofluorobenzene	43	115



 Tom Kwoka
 Laboratory Director



Acculabs Inc.

Davis

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EPA 8270C

Sample Log 20090
June 07, 1999

Sample Name : IB-1.1 (3.5')

Project Name : LSI - SOUTH

Project Number : 149-01-03

Sample Date : 05/27/99

Date Extracted : 06/04/99

Extr. Method : EPA 3550

QC Batch : BS990603

Date Analyzed : 6/06/99

Date Received : 5/28/99

Dilution : 1:1

Sample Matrix : Soil

Lab Number : 0090-01

Parameter	MRL	Measured Conc.	Units
N-Nitrosodimethylamine	0.67	<0.67	mg/Kg
Phenol	0.67	<0.67	mg/Kg
Aniline	0.67	<0.67	mg/Kg
bis(2-Chloroethyl)ether	0.67	<0.67	mg/Kg
2-Chlorophenol	0.67	<0.67	mg/Kg
1,3-Dichlorobenzene	0.67	<0.67	mg/Kg
1,4-Dichlorobenzene	0.67	<0.67	mg/Kg
Benzyl Alcohol	0.67	<0.67	mg/Kg
1,2-Dichlorobenzene	0.67	<0.67	mg/Kg
2-Methylphenol	0.67	<0.67	mg/Kg
bis(2-Chloroisopropyl)ether	0.67	<0.67	mg/Kg
4-Methylphenol	0.67	<0.67	mg/Kg
N-Nitroso-di-n-propylamine	0.67	<0.67	mg/Kg
Hexachloroethane	0.67	<0.67	mg/Kg
Nitrobenzene	0.67	<0.67	mg/Kg
Isophorone	0.67	<0.67	mg/Kg
2-Nitrophenol	0.67	<0.67	mg/Kg
2,4-Dimethylphenol	0.67	<0.67	mg/Kg
bis(2-Chloroethoxy)methane	0.67	<0.67	mg/Kg
2,4-Dichlorophenol	0.67	<0.67	mg/Kg
Benzoic Acid	0.67	<0.67	mg/Kg
1,2,4-Trichlorobenzene	0.67	<0.67	mg/Kg
Naphthalene	0.67	<0.67	mg/Kg
4-Chloroaniline	1.3	<1.3	mg/Kg
Hexachlorobutadiene	0.67	<0.67	mg/Kg
4-Chloro-3-methylphenol	1.3	<1.3	mg/Kg
2-Methylnaphthalene	0.67	<0.67	mg/Kg
Hexachlorocyclopentadiene	0.67	<0.67	mg/Kg
2,4,6-Trichlorophenol	0.67	<0.67	mg/Kg
2,4,5-Trichlorophenol	0.67	<0.67	mg/Kg
2-Chloronaphthalene	0.67	<0.67	mg/Kg
2-Nitroaniline	3.3	<3.3	mg/Kg
Dimethylphthalate	0.67	<0.67	mg/Kg

MRL = Method Reporting Limit

Conc. = Concentration

E = Concentration exceeded calibration range.

Approved By :


Tom Kyvoka



Acculabs Inc.

Davis

1046 Olive Drive, Davis CA 95616 ■ 530-757-0920 ■ Fax 753-6091

EPA 8270C

Sample Log 20090
June 07, 1999

Sample Name : IB-1.1 (3.5')

Project Name : LSI - SOUTH
Project Number : 149-01-03
Sample Date : 05/27/99
Date Extracted : 06/04/99
Extr. Method : EPA 3550
QC Batch : BS990603

Date Analyzed : 06/06/99
Date Received : 05/28/99
Dilution : 1:1
Sample Matrix : Soil
Lab Number : 0090-01


Parameter	MBL	Measured Conc.	Units
2,6-Dinitrotoluene	0.67	<0.67	mg/Kg
Acenaphthylene	0.67	<0.67	mg/Kg
3-Nitroaniline	3.3	<3.3	mg/Kg
Acenaphthene	0.67	<0.67	mg/Kg
2,4-Dinitrophenol	3.3	<3.3	mg/Kg
4-Nitrophenol	3.3	<3.3	mg/Kg
Dibenzofuran	0.67	<0.67	mg/Kg
2,4-Dinitrotoluene	0.67	<0.67	mg/Kg
Diethylphthalate	0.67	<0.67	mg/Kg
4-Chlorophenyl-phenylether	0.67	<0.67	mg/Kg
Fluorene	0.67	<0.67	mg/Kg
4-Nitroaniline	3.3	<3.3	mg/Kg
4,6-Dinitro-2-methylphenol	3.3	<3.3	mg/Kg
N-Nitrosodiphenylamine	0.67	<0.67	mg/Kg
Azobenzene	0.67	<0.67	mg/Kg
4-bromophenyl Phenyl Ether	0.67	<0.67	mg/Kg
Hexachlorobenzene	0.67	<0.67	mg/Kg
Pentachlorophenol	3.3	<3.3	mg/Kg
Phenanthrene	0.67	<0.67	mg/Kg
Anthracene	0.67	<0.67	mg/Kg
Di-n-butylphthalate	0.67	<0.67	mg/Kg
Fluoranthene	0.67	<0.67	mg/Kg
Benzidine	1.3	<1.3	mg/Kg
Pyrene	0.67	<0.67	mg/Kg
Butylbenzylphthalate	0.67	<0.67	mg/Kg
Benzo(a)anthracene	0.67	<0.67	mg/Kg
3-3'-Dichlorobenzidine	1.3	<1.3	mg/Kg
Chrysene	0.67	<0.67	mg/Kg
bis(2-Ethylhexyl)phthalate	0.67	<0.67	mg/Kg
Di-n-octylphthalate	0.67	<0.67	mg/Kg
Benzo(b)fluoranthene	0.67	<0.67	mg/Kg
Benzo(k)fluoranthene	0.67	<0.67	mg/Kg
Benzo(a)pyrene	0.67	<0.67	mg/Kg

MRL = Method Reporting Limit

Conc. = Concentration

E = Concentration exceeded calibration range.

Approved By :


Tom Kivoka



Acculabs Inc.

Davis

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EPA 8270C

Sample Log 20090
June 07, 1999

Sample Name : IB-1.1 (3.5')

Project Name : LSI - SOUTH

Project Number : 149-01-03

Sample Date : 05/27/99

Date Extracted : 06/04/99

Extr. Method : EPA 3550

QC Batch : BS990603

Date Analyzed : 06/06/99

Date Received : 05/28/99

Dilution : 1:1

Sample Matrix : Soil

Lab Number : 20090-01


Parameter	MRL	Measured Conc.	Units
Indeno(1,2,3-c,d)pyrene	0.67	<0.67	mg/Kg
Dibenzo(a,h)anthracene	0.67	<0.67	mg/Kg
Benzo(g,h,i)perylene	0.67	<0.67	mg/Kg
2-Fluorophenol		79	% Recovery
Phenol-d5		83	% Recovery
Nitrobenzene-d5		84	% Recovery
2-Fluorobiphenyl		88	% Recovery
2,4,6-Tribromophenol		78	% Recovery
Terphenyl-d14		86	% Recovery

MRL = Method Reporting Limit

Conc. = Concentration

E = Concentration exceeded calibration range.

Approved By :


Tom Kwoka



Acculabs Inc.

Davis

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EPA 8270C

Sample Log 20090
June 07, 1999

Sample Name : IB-1W

Project Name : LSI - SOUTH
Project Number : 149-01-03
Sample Date : 05/27/99
Date Extracted : 06/03/99
Extr. Method : EPA 3510
QC Batch : BW990604

Date Analyzed : 06/04/99
Date Received : 05/28/99
Dilution : 1:1
Sample Matrix : Water
Lab Number : 20090-04

Parameter	MRL	Measured Conc.	Units
N-Nitrosodimethylamine	10	<10	ug/L
Phenol	10	<10	ug/L
Aniline	10	<10	ug/L
bis(2-Chloroethyl)ether	10	<10	ug/L
2-Chlorophenol	10	<10	ug/L
1,3-Dichlorobenzene	10	<10	ug/L
1,4-Dichlorobenzene	10	<10	ug/L
Benzyl Alcohol	20	<20	ug/L
1,2-Dichlorobenzene	10	<10	ug/L
2-Methylphenol	10	<10	ug/L
bis(2-Chloroisopropyl)ether	10	<10	ug/L
4-Methylphenol	10	<10	ug/L
N-Nitroso-di-n-propylamine	10	<10	ug/L
Hexachloroethane	10	<10	ug/L
Nitrobenzene	10	<10	ug/L
Isophorone	10	<10	ug/L
2-Nitrophenol	10	<10	ug/L
2,4-Dimethylphenol	10	<10	ug/L
bis(2-Chloroethoxy)methane	10	<10	ug/L
2,4-Dichlorophenol	10	<10	ug/L
Benzoic Acid	50	<50	ug/L
1,2,4-Trichlorobenzene	10	<10	ug/L
Naphthalene	10	<10	ug/L
4-Chloroaniline	20	<20	ug/L
Hexachlorobutadiene	10	<10	ug/L
4-Chloro-3-methylphenol	20	<20	ug/L
2-Methylnaphthalene	10	<10	ug/L
Hexachlorocyclopentadiene	10	<10	ug/L
2,4,6-Trichlorophenol	10	<10	ug/L
2,4,5-Trichlorophenol	10	<10	ug/L
2-Chloronaphthalene	10	<10	ug/L
2-Nitroaniline	50	<50	ug/L
Dimethylphthalate	10	<10	ug/L

MRL = Method Reporting Limit

Conc. = Concentration

E = Concentration exceeded calibration range.

Approved By :


Tom Kovaka



Acculabs Inc.

Davis

1046 Olive Drive, Davis CA 95616 • 530-757-0920 • Fax 753-6091

EPA 8270C

Sample Log 20090
June 07, 1999

Sample Name : IB-1W

Project Name : LSI - SOUTH
Project Number : 149-01-03
Sample Date : 05/27/99
Date Extracted : 06/03/99
Extr. Method : EPA 3510
QC Batch : BW990604

Date Analyzed : 05/04/99
Date Received : 05/28/99
Dilution : 1:1
Sample Matrix : Water
Lab Number : 20090-04

Parameter	MRL	Measured Conc.	Units
2,6-Dinitrotoluene	10	<10	ug/L
Acenaphthylene	10	<10	ug/L
3-Nitroaniline	50	<50	ug/L
Acenaphthene	10	<10	ug/L
2,4-Dinitrophenol	50	<50	ug/L
4-Nitrophenol	50	<50	ug/L
Dibenzofuran	10	<10	ug/L
2,4-Dinitrotoluene	10	<10	ug/L
Diethylphthalate	10	<10	ug/L
4-Chlorophenyl-phenylether	10	<10	ug/L
Fluorene	10	<10	ug/L
4-Nitroaniline	50	<50	ug/L
4,6-Dinitro-2-methylphenol	50	<50	ug/L
N-Nitrosodiphenylamine	10	<10	ug/L
Azobenzene	10	<10	ug/L
4-bromophenyl Phenyl Ether	10	<10	ug/L
Hexachlorobenzene	10	<10	ug/L
Pentachlorophenol	50	<50	ug/L
Phenanthrene	10	<10	ug/L
Anthracene	10	<10	ug/L
Di-n-butylphthalate	10	<10	ug/L
Fluoranthene	10	<10	ug/L
Benzidine	20	<20	ug/L
Pyrene	10	<10	ug/L
Butylbenzylphthalate	10	<10	ug/L
Benzo(a)anthracene	10	<10	ug/L
3-3'-Dichlorobenzidine	20	<20	ug/L
Chrysene	10	<10	ug/L
bis(2-Ethylhexyl)phthalate	10	<10	ug/L
Di-n-octylphthalate	10	<10	ug/L
Benzo(b)fluoranthene	10	<10	ug/L
Benzo(k)fluoranthene	10	<10	ug/L
Benzo(a)pyrene	10	<10	ug/L

MRL = Method Reporting Limit

Conc. = Concentration

E = Concentration exceeded calibration range.

Approved By :


Tom Kojaka



Acculabs Inc.

Davis

1046 Olive Drive, Davis CA 95616 • 530-753-0920 • Fax 753-6091

EPA 8270C

Sample Log 20090
June 07, 1999

Sample Name : IB-1W

Project Name : LSI - SOUTH
Project Number : 149-01-03
Sample Date : 05/27/99
Date Extracted : 06/03/99
Extr. Method : EPA 3510
QC Batch : BW990604

Date Analyzed : 06/04/99
Date Received : 05/28/99
Dilution : 1:1
Sample Matrix : Water
Lab Number : 0090-04


Parameter	MRL	Measured Conc.	Units
Indeno(1,2,3-c,d)pyrene	10	<10	ug/L
Dibenzo(a,h)anthracene	10	<10	ug/L
Benzo(g,h,i)perylene	10	<10	ug/L
2-Fluorophenol		45	% Recovery
Phenol-d5		30	% Recovery
Nitrobenzene-d5		80	% Recovery
2-Fluorobiphenyl		78	% Recovery
2,4,6-Tribromophenol		80	% Recovery
Terphenyl-d14		79	% Recovery

MRL = Method Reporting Limit

Conc. = Concentration

E = Concentration exceeded calibration range.

Approved By :


Tom Huroka



Acculabs Inc. - Davis

EPA 8260B QC Report

Matrix: Soil

Date Analyzed: 6/5/99

QC Batch: VS990603

QC Limits Set: 4/17/99

Parameter	Spike Conc mg/Kg	LCS % Rec	LCS D % Rec	RPD	Control Chart Limits	
					Lower	Upper
1,1-Dichloroethene	0.050	92	85	7.3	33	113
Benzene	0.050	97	99	1.4	86	128
Trichloroethene	0.050	91	90	1.6	76	106
Toluene	0.050	108	97	10.3	51	129
Chlorobenzene	0.050	100	100	0.3	81	112

Parameter	Control Chart Limits	
	Lower	Upper
Dibromofluoromethane	71	138
Toluene-d8	54	131
4-Bromofluorobenzene	41	122


 Tom Kwoka
 Laboratory Director



Acculabs Inc. - Davis

EPA 8270C QC Report

Matrix: Water

Date Extracted: 6/3/99


QC Batch: BW990604

Date Analyzed: 6/4/99

QC Limits Set: 4/12/99

Parameter	Spike Conc ug/L	LCS % Rec	LCSD % Rec	RPD	Control Chart Limits	
					Lower	Upper
Phenol	200	33	32	3.5	15	42
2-Chlorophenol	200	75	77	1.7	54	93
1,4-Dichlorobenzene	100	80	79	0.8	45	94
N-Nitroso-di-n-propylamine	100	88	90	1.9	40	112
1,2,4-Trichlorobenzene	100	87	86	1.8	50	104
4-Chloro-3-methylphenol	200	86	94	8.1	43	113
Acenaphthene	100	90	91	0.7	51	107
4-Nitrophenol	200	32	33	2.9	2	49
2,4-Dinitrotoluene	100	76	78	2.6	32	114
Pentachlorophenol	200	98	99	0.4	39	130
Pyrene	100	71	72	1.1	41	115

Surrogate Compounds	Control Chart Limits	
	Lower	Upper
2-Fluorophenol	28	66
Phenol-d5	15	47
Nitrobenzene-d5	51	131
2-Fluorobiphenyl	51	134
2,4,6-Tribromophenol	43	130
Terphenyl-d14	41	136


 Tom Ryoka
 Laboratory Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Acculabs Inc.
 1046 Olive Drive, Suite 2
 Davis, CA 95616
 Attn: Troy Turpen

Date: 6/7/99
 Date Received: 6/7/99
 Project: I-01-03
 PO #: 2(190
 Sampled By: Client

Certified Analytical Report

Soil Sample Analysis: (All results in mg/kg)

Sample ID	20090-01/IB-1.1(3.5')			20090-02/IB-1.2(7.5')						
Sample Date	5/27/99			5/27/99						
Sample Time										
Lab #	G12346			G12347						
	Result	DF	DLR	Result	DF	DLR			PQL	Method
Analysis Date	6/3/99			6/3/99						
TRPH	28	1.0	25	26	1.0	25			25	SM5520

DF=Dilution Factor ND=None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)



Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Acculabs Inc.
 1046 Olive Drive, Suite 2
 Davis, CA 95616
 Attn: Troy Turpen

Date: 6/1/99
 Date Received: 6/1/99
 Project: I-17-01-03
 PO #: 20090
 Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	20090-04/TB-1W								
Sample Date	5/27/99								
Sample Time									
Lab #	G12348								
	Result	DF	DLR					PQL	Method
Results in mg/Liter:									
Analysis Date	6/3/99								
TRPH	ND	1.0	5.0					5.0	418.1

DF=Dilution Factor ND=None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit
 Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)


 Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite 12
Sunnyvale, CA 94085

QUALITY CONTROL RESULTS SUMMARY

METHOD: TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Control Samples

QC Batch ID: WTRPHIR990601

Matrix: Water

Units: mg/L

Date Analyzed: 05/01/99

Spiked Sample: Blank Spike

PARAMETER	SA	SR	SP	SP	SPD	SPD	RPD	QC LIMITS	
	mg/L	mg/L	mg/L	PR	mg/L	PR		RPD	PR
TRPH	19.44	0	20	101	20	103	2.2	25	70-130

Definition of Terms:

RPD: Relative Percent Difference (Duplicate Analyses)

SA: Spike Added

SR: Sample Result

SP: Spike Result

SP (PR): Spike % Recovery

SPD: Spike Duplicate Result

SPD (PR): Spike Duplicate % Recovery

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94036

QUALITY CONTROL RESULTS SUMMARY

METHOD: TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

QC Batch : STRPHIR990601

Matrix: Soil

Units: mg/Kg

Date Analyzed: 06/01/99

Spiked : sample: Blank Spike

PARAMETER	MB	SA	SR	SP	SP	SPD	SPD	RPD	QC LIMITS	
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	PR	mg/Kg	PR		RPD	PR
TRPH	<25	194.4	ND	194	100%	201	103%	3.54	25	50-150

Definition of Terms:

- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- SP: Matrix Spike Result
- SP (PR): Matrix Spike % Recovery
- SPD: Matrix Spike Duplicate Result
- SPD (PR): Matrix Spike Duplicate % Recovery
- RPD: Matrix Spike Recovery % Variance

Acculabs - Davis/Sacramento

Subcontracted Tests Form

Project Name : LSI - SOUTH

Project Number : 149-01-03

Project Manager: Troy Turpen

Laboratory Name Entech

Mail Results and Invoices To 1046 Olive Drive, Suite 2, Davis, CA 95616

Fax Results To 530-753-6091

Call 530-757-0920 with questions

RUSH

Use this number as a Purchase Order No.:

20090

Number	Name	Mx.	Date Sampled	Tests	
20090-01	IB-1.1 (3.5')	SO	05/27/99	5520E,F,C (IR TRPH), (Nonpolar TOG)	G12346
Location:					No. of Containers: <u>1</u>
20090-02	IB-1.2 (7.5')	SO	05/27/99	5520E,F,C (IR TRPH), (Nonpolar TOG)	G12347
Location:					No. of Containers: <u>1</u>
20090-04	IB-1W	WA	05/27/99	418.1 (IR TRPH), (Nonpolar TOG)	G12348
Location:					No. of Containers: <u>1</u>

Remarks: The Client is asking for "TOG (Nonpolar)"

Relinquished by:	Received by:	Date	Time
<i>[Signature]</i>		6/2/99	1135
	<i>[Signature]</i>	6/2/99	11:40a

Due Date/Time: 6-7-99/1700

Subcontract Lab Reference #:

Fax this form to 530-753-6091 when reference number has been assigned to samples and written in space above.

Please fax results prior to mailing.

