

VERL'S CONSTRUCTION, INC.

CA LIC. #487537

753 PERALTA AVENUE
SAN LEANDRO, CA 94577
(415) 568-1234

90 DEC -4 PM 12:00

November 20, 1990

Page 1 of 2

Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Rm. 200
Oakland, CA. 94621

Attn: Susan Hugo

RE: Further removal of soil at excavation of three underground storage tanks, installation of one recovery trench, installation and use of a 38'X 38' remediation pad for remediation of approximately 160 cubic yards of contaminated soil.

Because of the dangers of leaving an open excavation at Liquid Sugars, it was agreed between Verl's Construction Inc. and Alameda County Health Agency, represented by Susan Hugo, that steps be made to alleviate said danger.

VCI (Verl's Construction Inc.) was to fill in excavation with clean aggregate and cap said excavation with 2" of approved asphalt cover.

It was also deemed prudent to initiate a remediation process at the Clients place of business, located at 1274 65th Street. This plan is to facilitate the bio-remediation process that would lower the contamination levels of excavated soil before transportation of said contaminated soil to an appropriate landfill.

A plan was agreed upon between VCI and Susan Hugo, in which contaminated soil would be placed in a remediation pad. This pad comprised of retaining berms, built from railroad ties, layer of 8 mill. clear visqueen placed as a barrier between the interface of remediation pad and concrete surface and 12" of clean sand.

Contaminated soil would be placed on this remediation pad at 3' lifts and micro-organisms be introduced and mixed with contaminated soil. Soil would be watered and tilled twice per week, for a period of time not less than 90 days. Entire remediation pad and contaminated soil would be covered with 6 mill visqueen at all times except when work was being done at the remediation pad.

When contamination levels of said soil are below 100 ppm, soil will be transported to a certified landfill with appropriate chemical analysis and manifest documentation.

It was also agreed upon that one extraction trench be installed at the time of backfilling of excavation.

Extraction trench would consist of geo-fabric placed in excavation with clean virgin aggregate and a 12 'slotted PVC

extraction tube with lockable cap and metal housing with bolt down lid be installed. Excavation would then be completed by clean backfill material to grade level. A 2" asphalt cap would then be placed over entire excavation, which would slow contaminants, if present, from migrating as quickly as compared to leaving excavation open. This concludes description of work to be done at this time at 1274 65th Street job site. If there is a need for clarification of this letter please contact Mr. Merlin Bowen at area code 415-568-1234.

Sincerely Yours



Mr. Merlin N. Bowen
Operations Supervisor

cc

SOIL SAMPLING
AND LABORATORY ANALYSIS
LIQUID SUGARS, INC.
1274 65TH STREET
EMERYVILLE, CALIFORNIA
FOR
VERL'S CONSTRUCTION, INC.

NO. EV-500/E172-01
NOVEMBER 14, 1990



ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

2495 INDUSTRIAL PARKWAY WEST, HAYWARD, CALIFORNIA 94545
TELEPHONE (415) 786-0243 · FAX (415) 732-0289

No. EV-500/E172-01
November 14, 1990

Verl's Construction, Inc.
753 Peralta Avenue
San Leandro, California 94577

Attention: Mr. Merlin Bowen

SUBJECT: Soil Sampling and Laboratory Analysis, Liquid Sugars,
Incorporated, 1274 65th Street, Emeryville, California

Gentlemen:

This report describes the results of field activities by Environmental Geotechnical Consultants (EGC) at the above referenced site (Figure 1). EGC was contracted by Verl's Construction, Inc. (VCI) to collect soil samples from the excavation of three underground storage tanks (UST's). Field work and laboratory analytical methods were performed in compliance with current State of California Water Resources Control Board (SWRCB) procedures for conducting environmental investigations relating to potentially leaking UST's.

UNDERGROUND STORAGE TANK REMOVAL

On November 2, 1990, three UST's were excavated and removed from the yard of Liquid Sugars, Incorporated (LSI). UST removal was conducted by VCI and witnessed by George Warren of the Emeryville Fire Department. Soil sampling was done by a representative of EGC and witnessed by Susan Hugo of the Alameda County Department of Environmental Health.

Prior to removal, the UST's were triple-rinsed. Dry ice was introduced into the tanks to displace potentially explosive vapors. A combustible gas indicator was used by VCI to verify safe lower explosive limit levels within the tanks.

The UST's were removed from the excavation and visually inspected by George Warren, Susan Hugo, and EGC's representative. The tanks were designated A through C by EGC for reporting purposes (Figure 2). Tank A, a 1000-gallon tank known to have contained gasoline, had no visible holes; however, it appeared to have been dented by the backhoe during excavation. Tank B, also a 1000-gallon gasoline tank, was dented and contained a puncture that appeared to have been made by the backhoe during excavation. Tank C was a 10,000-gallon diesel fuel tank. The seam seals on the ends of the tank were corroded in places and a small amount of fluid leaked out during removal. The fluid contained no product sheen.

The tanks were then loaded onto an Erickson Enterprises, Inc., flatbed truck and taken to their facility in Richmond. The Uniform Hazardous Waste manifest for the UST is included as Appendix A.

SOIL SAMPLING AND FIELD OBSERVATIONS

Sampling point locations are shown in Figure 2. The contaminant level of the stockpile from the initial excavation of the UST's was characterized by compositing soil taken at locations a through e in Figure 2. The composite sample (P-1) was collected in moist soil at various heights in the pile and approximately one foot into the stockpile.

Soil with petroleum product odors and a medium greenish-gray color was encountered in the excavation. Samples S-01 through S-06 were obtained by a backhoe at depths of approximately seven to sixteen feet below grade. Each sample was collected by inserting a clean, brass, two-inch diameter sample liner into the native soil in the backhoe bucket. The sleeve was packed with soil and the ends sealed with aluminum foil and plastic end caps. The samples were taped, labelled, logged on a Chain-of-Custody form and transported on blue ice to NET Pacific, Inc., a California Department of Health Services-certified analytical laboratory. The Chain-of-Custody report and laboratory analytical results are included as Appendix B.

SOIL ANALYTICAL RESULTS

Sample P-1 was composited at the laboratory and analyzed for: Total Petroleum Hydrocarbons as Gasoline (TPH-G); TPH as Diesel (TPH-D); Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX); and Total Lead. TPH-G was analyzed by DOHS-LUFT method GC FID/5030, TPH-D by DOHS-LUFT method GC-FID/3550, BTEX by EPA method 8020, and Total Lead by EPA method 7421.

Samples S-01 through S-03, which were collected beneath the former location of the gasoline tanks, were analyzed for TPH-G, BTEX and Total Lead. Sample S-04, which was collected beneath the former location of gasoline and/or diesel piping, was analyzed for TPH-G, TPH-D, BTEX and Total Lead. Samples S-05 and S-06, which were collected beneath the former location of the diesel tank, were analyzed for TPH-D and BTEX. Laboratory analytical results are summarized below:

TABLE 1
SUMMARY OF LABORATORY ANALYTICAL RESULTS

	<u>TPH-G¹</u>	<u>TPH-D¹</u>	<u>Benzene²</u>	<u>Toluene²</u>	<u>Ethylbenzene²</u>	<u>Xylenes²</u>	<u>Total Lead¹</u>
1102-P1	960	1,890	1,400	4,800	4,600	23,000	15
1102-S-01	1,700	NA	11,000	45,000	22,000	110,000	6.3
1102-S-02	3,400	NA	33,000	95,000	43,000	210,000	7.1
1102-S-03	1,400	NA	7,300	18,000	12,000	64,000	7.0
1102-S-04	710	100	810	2,100	5,400	11,000	3.6
1102-S-05	NA	10,000	1,200	1,100	560	3,900	NA
1102-S-06	NA	17	8.0	7.7	11	42	NA

¹ - Reported in parts per million (ppm)

² - Reported in parts per billion (ppb)

NA - Not analyzed for this parameter

REPORTING RESPONSIBILITY

This report has been prepared in order to aid in the evaluation of the current status of the subject site. It is your responsibility to ensure that this report is made available to the agencies noted below.

Mr. George Warren
Emeryville Fire Department
6303 Hollis Street
Emeryville, CA 94608
(415)596-3750

Ms. Susan Hugo
Alameda County Department
of Environmental Health
Division of Hazardous Materials
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)271-4320

LIMITATIONS

The scope of work of this project was strictly limited to the sampling and analysis of soil collected beneath three UST's and the soil stockpile from the excavation of the UST's. No warranty, express or implied, is given with regard to the general environmental condition of the subject property.

If you have any questions or require additional information, please contact us at your convenience.



Very truly yours,

ENVIRONMENTAL GEOTECHNICAL
CONSULTANTS, INC.

A handwritten signature in black ink that reads "Don R. Poindexter".

Don R. Poindexter, P.E.
Civil Engineer
C-24420, Exp. 12/31/93

jmc



NOTES

1. BASE MAP TAKEN FROM USGS OAKLAND WEST (1980), CALIFORNIA 7.5 MINUTE QUADRANGLE.

DATE 11/14/90

JOB NO. E172-01

DWG NO. E172-01/1

DRAWN N TOOR

CHK'D G MILLIKAN

APP'D D POINDEXTER



ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

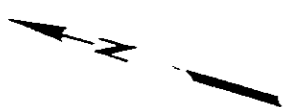
PROJECT SITE LOCATION MAP

LIQUID SUGARS, INC
1274 65TH STREET EMERYVILLE, CALIFORNIA
VERL'S CONSTRUCTION INC.

FIGURE NO.

1

REV NO.

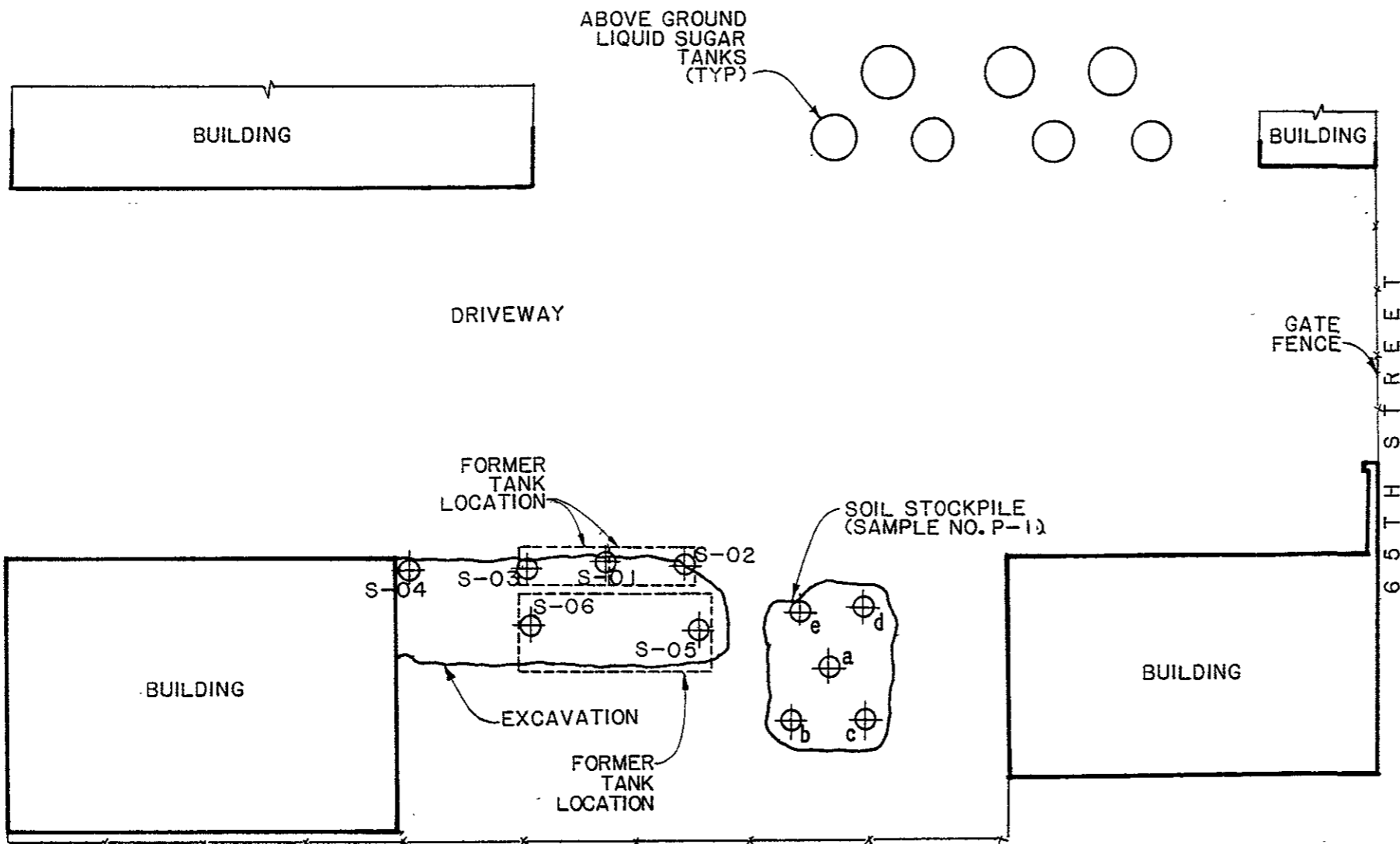


NOTES

1. MAP BASED ON APPROXIMATE FIELD MEASUREMENT 11/02/90.

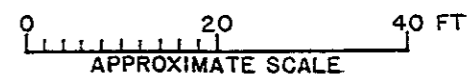
B

A



EXPLANATION

⊕ APPROXIMATE SOIL SAMPLE LOCATION



NO.	DATE	ZONE	DESCRIPTION	DRAWN	APPROVED
REVISIONS					

NOTES

PROFESSIONAL SEAL

DATE 11/14/90
 JOB NO. E172-01
 DWG NO. E172-01/2
 DRAWN N TOOR
 CHK'D G MILLIKAN
 APP'D D POINDEXTER

EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
 CONSULTANTS IN APPLIED EARTH SCIENCE

SITE PLAN AND SAMPLING LOCATION MAP
 LIQUID SUGARS, INC
 1274 65TH STREET EMERYVILLE, CALIFORNIA
 VERL'S CONSTRUCTION INC.

FIGURE NO.
2
 REV NO.

89890472
 GENERATOR
 TRANSPORTER
 FACILITY
 CASE NO. IN EMERGENCY CALL PILL, OR THE NATIONAL RESPONSE CENTER 1-800-424-9663 WITHIN CALIFORNIA CALL 1-800-852-9663

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAL00053356873275	Manifest Document No. 13275	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address LIQUIDSUGAR 1275-66TH Street EMERYVILLE CALIFORNIA 94608				A. State Manifest Document Number 89890472		
4. Generator's Phone (415) 420-7163				B. State Generator's ID		
5. Transporter Company Name JACK PARKER TRUCKING		6. US EPA ID Number CAL0000027709		C. State Transporter's ID 106491		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 4152372212		
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801				10. US EPA ID Number CAD009466892		G. State Facility's ID
				H. Facility's Phone (415) 235-1393		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
a. Waste Empty Storage Tank					State 512	
NON-RCRA Hazardous Waste Solid.		003 TP	1200	17 P	EPA/Other NONE	
b.					State	
c.					EPA/Other	
d.					State	
					EPA/Other	
J. Additional Descriptions for Materials Listed Above Qty. 3 Empty Storage Tank (s) #4891, 4892, 4902 Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal. Capacity.				K. Handling Codes to Wastes Listed Above		
				a. b. c. d.		
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name MERLIN BOWEN		Signature <i>Merlin Bowen</i>		Month Day Year 11 02 90		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BILL MORAN		Signature <i>Bill Moran</i>		Month Day Year 11 02 90		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name BILL MORAN		Signature <i>Bill Moran</i>		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19						
Printed/Typed Name		Signature		Month Day Year		



NATIONAL
ENVIRONMENTAL
TESTING, INC.®

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Martha Schackman
Environmental Geotechnical
2495 Industrial Parkway W.
Hayward, CA 94545

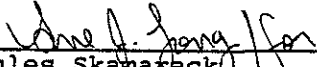
Date: 11-14-90
NET Client Acct. No: 362
NET Pacific Log No: 4764
Received: 11-03-90 0900

Client Reference Information

VCI- Liquid Sugars; Job: E172-01

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:



Jules Skamarack
Laboratory Manager

Enclosure(s)



Client Acct: 362
 Client Name: Environmental Geotechnical
 NET Log No: 4764

Date: 11-14-90
 Page: 2

NET Pacific, Inc.

Ref: VCI- Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-P-1a-e 11-02-90
 LAB Job No: (-67333)

Parameter	Reporting Limit	Results	Units
Lead (EPA 7421)	0.2	15	mg/Kg
PETROLEUM HYDROCARBONS		---	
VOLATILE (SOIL)		---	
DILUTION FACTOR *		200	
DATE ANALYZED		11-10-90	
METHOD GC FID/5030		---	
as Gasoline	1	960	mg/Kg
METHOD 8020		---	
DILUTION FACTOR *		200	
DATE ANALYZED		11-10-90	
Benzene	2.5	1,400	ug/Kg
Ethylbenzene	2.5	4,600	ug/Kg
Toluene	2.5	4,800	ug/Kg
Xylenes, total	2.5	23,000	ug/Kg
PETROLEUM HYDROCARBONS		---	
EXTRACTABLE (SOIL)		---	
DILUTION FACTOR *		10	
DATE EXTRACTED		11-06-90	
DATE ANALYZED		11-09-90	
METHOD GC FID/3550		---	
as Diesel	1	1,900	mg/Kg
as Motor Oil	10	ND	mg/Kg



Client Acct: 362
 Client Name: Environmental Geotechnical
 NET Log No: 4764

Date: 11-14-90
 Page: 3

NET Pacific, Inc.

Ref: VCI- Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-S-04 11-02-90
 LAB Job No: (-67334)

Parameter	Reporting Limit	Results	Units
Lead (EPA 7421)	0.2	3.6	mg/Kg
PETROLEUM HYDROCARBONS		--	
VOLATILE (SOIL)		--	
DILUTION FACTOR *		100	
DATE ANALYZED		11-10-90	
METHOD GC FID/5030		--	
as Gasoline	1	710	mg/Kg
METHOD 8020		--	
DILUTION FACTOR *		100	
DATE ANALYZED		11-10-90	
Benzene	2.5	810	ug/Kg
Ethylbenzene	2.5	5,400	ug/Kg
Toluene	2.5	2,100	ug/Kg
Xylenes, total	2.5	11,000	ug/Kg
PETROLEUM HYDROCARBONS		--	
EXTRACTABLE (SOIL)		--	
DILUTION FACTOR *		1	
DATE EXTRACTED		11-06-90	
DATE ANALYZED		11-09-90	
METHOD GC FID/3550		--	
as Diesel	1	100	mg/Kg
as Motor Oil	10	ND	mg/Kg



NET Pacific, Inc. Client Acct: 362
Client Name: Environmental Geotechnical
NET Log No: 4764

Date: 11-14-90
Page: 4

Ref: VCI-Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-S-01 11-02-90
LAB Job No: (-67335)

Parameter	Reporting Limit	Results	Units
Lead (EPA 7421)	0.2	6.3	mg/Kg
PETROLEUM HYDROCARBONS		--	
VOLATILE (SOIL)		--	
DILUTION FACTOR *		200	
DATE ANALYZED		11-10-90	
METHOD GC FID/5030		--	
as Gasoline	1	1,700	mg/Kg
METHOD 8020		--	
DILUTION FACTOR *		200	
DATE ANALYZED		11-10-90	
Benzene	2.5	11,000	ug/Kg
Ethylbenzene	2.5	22,000	ug/Kg
Toluene	2.5	45,000	ug/Kg
Xylenes, total	2.5	110,000	ug/Kg



NET Pacific, Inc. Client Acct: 362
Client Name: Environmental Geotechnical
NET Log No: 4764

Date: 11-14-90
Page: 5

Ref: VCI-Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-S-02 11-02-90
LAB Job No: (-67336)

Parameter	Reporting Limit	Results	Units
Lead (EPA 7421)	0.2	7.1	mg/Kg
PETROLEUM HYDROCARBONS		--	
VOLATILE (SOIL)		--	
DILUTION FACTOR *		500	
DATE ANALYZED		11-10-90	
METHOD GC FID/5030		--	
as Gasoline	1	3,400	mg/Kg
METHOD 8020		--	
DILUTION FACTOR *		500	
DATE ANALYZED		11-10-90	
Benzene	2.5	33,000	ug/Kg
Ethylbenzene	2.5	43,000	ug/Kg
Toluene	2.5	95,000	ug/Kg
Xylenes, total	2.5	210,000	ug/Kg



Client Acct: 362
 Client Name: Environmental Geotechnical
 NET Log No: 4764

Date: 11-14-90
 Page: 6

NET Pacific, Inc.

Ref: VCI-Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-S-03 11-02-90
 LAB Job No: (-67337)

Parameter	Reporting Limit	Results	Units
Lead (EPA 7421)	0.2	7.0	mg/Kg
PETROLEUM HYDROCARBONS		---	
VOLATILE (SOIL)		---	
DILUTION FACTOR *		200	
DATE ANALYZED		11-10-90	
METHOD GC FID/5030		---	
as Gasoline	1	1,400 .	mg/Kg
METHOD 8020		---	
DILUTION FACTOR *		200	
DATE ANALYZED		11-10-90	
Benzene	2.5	7,300 .	ug/Kg
Ethylbenzene	2.5	12,000	ug/Kg
Toluene	2.5	18,000	ug/Kg
Xylenes, total	2.5	64,000	ug/Kg



NET Pacific, Inc. Client Acct: 362
 Client Name: Environmental Geotechnical
 NET Log No: 4764

Date: 11-14-90
 Page: 7

Ref: VCI-Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-s-05 11-02-90
 LAB Job No: (-67338)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS		--	
VOLATILE (SOIL)		--	
DILUTION FACTOR *		50	
DATE ANALYZED		11-09-90	
METHOD 8020		--	
Benzene	2.5	1200	ug/Kg
Ethylbenzene	2.5	560	ug/Kg
Toluene	2.5	1100	ug/Kg
Xylenes, total	2.5	3900	ug/Kg
PETROLEUM HYDROCARBONS		--	
EXTRACTABLE (SOIL)		--	
DILUTION FACTOR *		100	
DATE EXTRACTED		11-06-90	
DATE ANALYZED		11-09-90	
METHOD GC FID/3550		--	
as Diesel	1	10,000	mg/Kg
as Motor Oil	10	ND	mg/Kg



NET Pacific, Inc.

Client Acct: 362
Client Name: Environmental Geotechnical
NET Log No: 4764

Date: 11-14-90
Page: 8

Ref: VCI-Liquid Sugars; Job: E172-01

SAMPLE DESCRIPTION: 1102-S-06 11-02-90
LAB Job No: (-67339)

Parameter	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS		--	
VOLATILE (SOIL)		--	
DILUTION FACTOR *		1	
DATE ANALYZED		11-09-90	
METHOD 8020		--	
Benzene	2.5	8.0	ug/Kg
Ethylbenzene	2.5	11	ug/Kg
Toluene	2.5	7.7	ug/Kg
Xylenes, total	2.5	42	ug/Kg
PETROLEUM HYDROCARBONS		--	
EXTRACTABLE (SOIL)		--	
DILUTION FACTOR *		1	
DATE EXTRACTED		11-06-90	
DATE ANALYZED		11-09-90	
METHOD GC FID/3550		--	
as Diesel	1	17	mg/Kg
as Motor Oil	10	ND	mg/Kg



Client Acct: 362
 Client Name: Environmental Geotechnical
 NET Log No: 4764

Date: 11-12-90
 Page: 9

NET Pacific, Inc.

Ref: VCI- Liquid Sugars; Job: E172-01

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	1	mg/Kg	115	ND	81	93	14
Benzene	2.5	ug/Kg	97	ND	61	68	10
Toluene	2.5	ug/Kg	106	ND	82	85	4.1

COMMENT: Blank Results were ND on other analytes tested.

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	1	mg/Kg	109	ND	108	108	< 1
Benzene	2.5	ug/Kg	109	ND	98	97	< 1
Toluene	2.5	ug/Kg	111	ND	99	98	1.0

COMMENT: Blank Results were ND on other analytes tested.

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Lead	0.2	mg/Kg	95	ND	83	100	18

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	1	mg/Kg	81	ND	90	92	2
Motor Oil	10	mg/Kg	110	ND	N/A	N/A	N/A



NET Pacific, Inc.

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

4764

SAMPLER (Signature) M. Schackman CARRIER _____ DATE SHIPPED 11/2/90
COOLER No. _____ I.D. No. _____ DATE RECEIVED _____

SHIP TO: NET Pacific TURNAROUND TIME: 24 HOURS 1 WEEK STANDARD -SEND RESULTS TO: ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. 2495 INDUSTRIAL PARKWAY WEST HAYWARD, CALIFORNIA 94545 TELEPHONE (415) 786-0243 FAX (415) 732-0289

ATTN: Judy Ridley

JOB NAME: VCI - Liquid Sugars JOB No.: E 172-01

RELINQUISHED BY (Signature) Maithe Schackman RECEIVED BY (Signature) Jeff Winkler DATE 11/2/90 TIME 12:15

RELINQUISHED BY (Signature) Jeff Winkler RECEIVED BY (Signature) _____ DATE _____ TIME _____

RELINQUISHED BY (Signature) _____ RECEIVED AT LAB BY (Signature) Schwartz DATE 11/2/90 TIME 0900

ANALYSIS REQUEST

SAMPLE I.D. NUMBER	DATE/TIME SAMPLED.	MATRIX	SAMPLE CONTAINER	ANALYSIS REQUESTED	SAMPLE CONDITION UPON RECEIPT
1102-P-1a	11/2/90	Soil	2" Brass	TPH-G / BTEX / TPH-D, Total Lead	
1102-P-1b		Soil		Composite	
1102-P-1c		Soil			
1102-P-1d		Soil			
1102-P-1e		Soil			
1102-S-01		Soil		TPH-G / BTEX, Total Lead	
1102-S-02		Soil			
1102-S-03		Soil	↓		
1102-S-04				TPH-G, TPH-D, BTEX, Total Lead	
1102-S-05				TPH-D / BTEX	
1102-S-06					

SPECIAL INSTRUCTIONS/COMMENTS: Composite samples 1102-P1a through e into one sample and analyze for TPH-G, TPH-D, BTEX and Total Lead

custody seal 11/2/90 @ 19:00 custody seal intact

ENVIRONMENTAL GEOTECHNICAL CONSULTANTS INC.		CHAIN OF CUSTODY RECORD	FIGURE
JOB NO.	DATE		5
DRAWN BY	APPROVED BY		of