



Rec'd 6/30/94

LEVINE•FRICKE
ENGINEERS, HYDROGEOLOGISTS & APPLIED SCIENTISTS

Letter of Transmittal

Date 6/3/94

From Julie Abay

Project No. 3158

To Xing Gang Tong

Subject Lab results

from Alliance

tant pull soil sampling

The following items are: Requested

Enclosed Sent separately

via overnight mail

Description

**No. of
Copies**

These data are transmitted:

- At your request
- For your approval
- For your review
- For your action
- For your files
- For your information

Comments Xing Gang - enclosed are lab results from soil samples as you requested

2025 12 19 AM 12:19:11
Emeryville, California 94606
(415) 652-4511
Fax (415) 652-2246

Julie Abay
(Signed)

AMERICAN ENVIRONMENTAL NETWORK (AEN)

FAX TRANSMISSION COVER

AMERICAN ENVIRONMENTAL NETWORK
3440 VINCENT ROAD
PLEASANT HILL, CA 94523

FAX NO: (510) 930-0256
PHONE NO: (510) 930-9090

DATE: 6/2/94 # OF PAGES (Including cover) 10

REPLY REQUESTED: (circle request) NO YES URGENT FAX REPLY
PHONE REPLY FYI

TO: Julie Sharp
Levine - Fricke

FROM: Client Services

AEN PROJ NO: 9405237

CLIENT PROJ NO: 3158

- FINAL RESULTS
- PARTIAL RESULTS
- PRELIMINARY RESULTS

COMMENTS: _____

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

9405237

JUN 2 1994 14:44

JUN - 2-94 THU 14:42

AMERICAN ENV NETWORK

FAX NO. 15109300256

P.02

Project No.: **3158** Field Logbook No.: _____ Date: **5/18/94** Serial No.: **9633**
 Project Name: **Celis Alliance Tank Pull** Project Location: **Emeryville**
 Sampler (Signature): *Julia Sharp*

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES										REMARKS		
						TPH	TPH RANGE	TOC	SS20	ELDF	Organic Lead	8000 ppb PCBs	8000 ppb PCBs	8000 ppb PCBs	8000 ppb PCBs		8000 ppb PCBs	
01A G1-8	5/18	15:40		1	soil													ICP okay * by AA - Cr, Cu, Ni, Pb & Zn only
02A G2-10		15:50		1														
03A G3-9.5		16:00		1						X								** 8270 ppb PNAS & hexachl
04A G4-10.5		16:30		1														
05A 01-7	✓	16:20		2	✓	✓	X	X	X	X	X	X	X	X	X	X	X	05/20/94 Metals by ICP okay Per Julie Sharp. JLS

RELINQUISHED BY: (Signature) <i>Julia Sharp</i>	DATE 5/18/94	TIME 17:05	RECEIVED BY: (Signature) <i>Michael E. McMillan</i>	DATE 5/18/94	TIME 12:05
RELINQUISHED BY: (Signature) <i>Michael E. McMillan</i>	DATE 5/18/94	TIME 18:00	RECEIVED BY: (Signature) <i>Emily S. Hartz</i>	DATE 5/18/94	TIME 18:00
RELINQUISHED BY: (Signature) _____	DATE _____	TIME _____	RECEIVED BY: (Signature) _____	DATE _____	TIME _____

METHOD OF SHIPMENT: _____ DATE: _____ TIME: _____ LAB COMMENTS: _____

Sample Collector: **LEVINE-FRICKE**
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory:
AREN, Pleasant Hill

15109300256 PAGE.002

AEN Job No: 9405237Client Project ID: 3158**Project Footnotes**

These footnotes will appear on the final report

01-7 - Reporting limit elevated for xylenes due to high concentrations of non-target compounds. Sample run at a dilution.

For your information, these footnotes will not appear on the final report unless requested:

64-10.5, 01-7 - The gasoline result includes hydrocarbons in the diesel/kerosene range.

If you have any questions, please contact Client Services at (510) 930-9090. Thank you!

LEVINE-FRICKE

SAMPLE ID: G1-8
 AEN LAB NO: 9405237-01
 AEN WORK ORDER: 9405237
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
 DATE RECEIVED: 05/18/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	4,600 *	5	ug/kg	05/27/94
Toluene	108-88-3	4,500 *	5	ug/kg	05/27/94
Ethylbenzene	100-41-4	24,000 *	5	ug/kg	05/27/94
Xylenes, Total	1330-20-7	21,000 *	5	ug/kg	05/27/94
Purgeable HCs as Gasoline	5030/GCFID	640 *	0.2	mg/kg	05/27/94

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LEVINE-FRICKE

SAMPLE ID: G2-10
AEN LAB NO: 9405237-02
AEN WORK ORDER: 9405237
CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
DATE RECEIVED: 05/18/94
REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	1,900 *	5	ug/kg	05/26/94
Toluene	108-88-3	700 *	5	ug/kg	05/26/94
Ethylbenzene	100-41-4	4,200 *	5	ug/kg	05/26/94
Xylenes, Total	1330-20-7	5,200 *	5	ug/kg	05/26/94
Purgeable HCs as Gasoline	5030/GCFID	140 *	0.2	mg/kg	05/26/94

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LEVINE-FRICKE

SAMPLE ID: G3-9.5
 AEN LAB NO: 9405237-03
 AEN WORK ORDER: 9405237
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
 DATE RECEIVED: 05/18/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	5,300 *	5	ug/kg	05/27/94
Toluene	108-88-3	16,000 *	5	ug/kg	05/27/94
Ethylbenzene	100-41-4	18,000 *	5	ug/kg	05/27/94
Xylenes, Total	1330-20-7	91,000 *	5	ug/kg	05/27/94
Purgeable HCs as Gasoline	5030/GCFID	570 *	0.2	mg/kg	05/27/94
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	05/27/94

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LEVINE-FRICKE

SAMPLE ID: G4-10.5
 AEN LAB NO: 9405237-04
 AEN WORK ORDER: 9405237
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
 DATE RECEIVED: 05/18/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	6 *	5	ug/kg	05/26/94
Toluene	108-88-3	ND	5	ug/kg	05/26/94
Ethylbenzene	100-41-4	18 *	5	ug/kg	05/26/94
Xylenes, Total	1330-20-7	ND	5	ug/kg	05/26/94
Purgeable HCs as Gasoline	5030/GCFID	3.1 *	0.2	mg/kg	05/26/94

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LEVINE-FRICKE

SAMPLE ID: 01-7
AEN LAB NO: 9405237-05
AEN WORK ORDER: 9405237
CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
DATE RECEIVED: 05/18/94
REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	95 *	5	ug/kg	05/27/94
Toluene	108-88-3	150 *	5	ug/kg	05/27/94
Ethylbenzene	100-41-4	230 *	5	ug/kg	05/27/94
Xylenes, Total	1330-20-7	ND	50	ug/kg	05/27/94
Purgeable HCs as Gasoline	5030/GCFID	50 *	0.2	mg/kg	05/27/94
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	05/19/94
TPH as Diesel	GC-FID	29 *	1	mg/kg	05/20/94
TPH as Oil	GC-FID	ND	5	mg/kg	05/20/94
Organo Lead in Soil	DOHS-LUFT	ND	0.5	mg/kg	05/27/94
#Digestion, Metals AA/ICP	EPA 3050	-		Prep Date	05/24/94
Cadmium	EPA 6010	ND	0.1	mg/kg	05/26/94
Chromium	EPA 6010	27 *	1	mg/kg	05/26/94
Lead	EPA 6010	2 *	1	mg/kg	05/26/94
Nickel	EPA 6010	26 *	1	mg/kg	05/26/94
Zinc	EPA 6010	47 *	1	mg/kg	05/26/94
#Soil Extrn for O&G/HCs	SM 5520EF	-		Extrn Date	05/20/94
Hydrocarbons by IR	SM 5520F	40 *	10	mg/kg	05/24/94
Oil and Grease by IR	SM 5520E	50 *	10	mg/kg	05/24/94
#Extraction for Pest/PCBs	EPA 3550	-		Extrn Date	05/19/94
Polychlorinated Biphenyls	EPA 8080				
Aroclor 1016	12674-11-2	ND	0.05	mg/kg	05/19/94
Aroclor 1221	11104-28-2	ND	0.05	mg/kg	05/19/94
Aroclor 1232	11141-16-5	ND	0.05	mg/kg	05/19/94
Aroclor 1242	53469-21-9	ND	0.05	mg/kg	05/19/94
Aroclor 1248	12672-29-6	ND	0.05	mg/kg	05/19/94
Aroclor 1254	11097-69-1	ND	0.05	mg/kg	05/19/94

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LEVINE-FRICKE

SAMPLE ID: 01-7
 AEN LAB NO: 9405237-05
 AEN WORK ORDER: 9405237
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
 DATE RECEIVED: 05/18/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
Aroclor 1260	11096-82-5	ND	0.05	mg/kg	05/19/94
#Extraction for PNAs	EPA 3550	-		Extrn Date	05/19/94
Cresote	EPA 8270/GCFED	ND	5	mg/kg	05/20/94
PNAs by EPA 8270	EPA 8270				
Acenaphthene	83-32-9	ND	200	ug/kg	05/25/94
Acenaphthylene	208-96-8	ND	200	ug/kg	05/25/94
Anthracene	120-12-7	ND	200	ug/kg	05/25/94
Benzo(a)anthracene	56-55-3	ND	200	ug/kg	05/25/94
Benzo(b)fluoranthene	205-99-2	ND	200	ug/kg	05/25/94
Benzo(k)fluoranthene	207-08-9	ND	200	ug/kg	05/25/94
Benzo(g,h,i)perylene	191-24-2	ND	200	ug/kg	05/25/94
Benzo(a)pyrene	50-32-8	ND	200	ug/kg	05/25/94
Chrysene	218-01-9	ND	200	ug/kg	05/25/94
Dibenzo(a,h)anthracene	53-70-3	ND	200	ug/kg	05/25/94
Fluoranthene	206-44-0	ND	200	ug/kg	05/25/94
Fluorene	86-73-7	ND	200	ug/kg	05/25/94
Indeno(1,2,3-cd)pyrene	193-39-5	ND	200	ug/kg	05/25/94
Naphthalene	91-20-3	ND	200	ug/kg	05/25/94
Phenanthrene	85-01-8	ND	200	ug/kg	05/25/94
Pyrene	129-00-0	ND	200	ug/kg	05/25/94
EPA 8010 - Soil matrix	EPA 8010				
Bromodichloromethane	75-27-4	ND	5	ug/kg	05/26/94
Bromoform	75-25-2	ND	5	ug/kg	05/26/94
Bromomethane	74-83-9	ND	5	ug/kg	05/26/94
Carbon Tetrachloride	56-23-5	ND	5	ug/kg	05/26/94
Chlorobenzene	108-90-7	ND	5	ug/kg	05/26/94
Chloroethane	75-00-3	ND	5	ug/kg	05/26/94
2-Chloroethyl Vinyl Ether	110-75-8	ND	5	ug/kg	05/26/94
Chloroform	67-66-3	ND	5	ug/kg	05/26/94
Chloromethane	74-87-3	ND	5	ug/kg	05/26/94
Dibromochloromethane	124-48-1	ND	5	ug/kg	05/26/94
1,2-Dichlorobenzene	95-50-1	ND	5	ug/kg	05/26/94
1,3-Dichlorobenzene	541-73-1	ND	5	ug/kg	05/26/94
1,4-Dichlorobenzene	106-46-7	ND	5	ug/kg	05/26/94
Dichlorodifluoromethane	75-71-8	ND	5	ug/kg	05/26/94
1,1-Dichloroethane	75-34-3	ND	5	ug/kg	05/26/94
1,2-Dichloroethane	107-06-2	ND	5	ug/kg	05/26/94
1,1-Dichloroethene	75-35-4	ND	5	ug/kg	05/26/94
cis-1,2-Dichloroethene	156-59-2	ND	5	ug/kg	05/26/94

LEVINE-FRICKE

SAMPLE ID: 01-7
 AEN LAB NO: 9405237-05
 AEN WORK ORDER: 9405237
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/18/94
 DATE RECEIVED: 05/18/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
trans-1,2-Dichloroethene	156-60-5	ND	5	ug/kg	05/26/94
1,2-Dichloropropane	78-87-5	ND	5	ug/kg	05/26/94
cis-1,3-Dichloropropene	10061-01-5	ND	5	ug/kg	05/26/94
trans-1,3-Dichloropropene	10061-02-6	ND	5	ug/kg	05/26/94
Methylene Chloride	75-09-2	ND	5	ug/kg	05/26/94
1,1,2,2-Tetrachloroethane	79-34-5	ND	5	ug/kg	05/26/94
Tetrachloroethene	127-18-4	ND	5	ug/kg	05/26/94
1,1,1-Trichloroethane	71-55-6	ND	5	ug/kg	05/26/94
1,1,2-Trichloroethane	79-00-5	ND	5	ug/kg	05/26/94
Trichloroethene	79-01-6	ND	5	ug/kg	05/26/94
Trichlorofluoromethane	75-69-4	ND	5	ug/kg	05/26/94
1,1,2Trichlorotrifluoroethane	76-13-1	ND	5	ug/kg	05/26/94
Vinyl Chloride	75-01-4	ND	5	ug/kg	05/26/94

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AMERICAN ENVIRONMENTAL NETWORK (AEN)

FAX TRANSMISSION COVER

AMERICAN ENVIRONMENTAL NETWORK
3440 VINCENT ROAD
PLEASANT HILL, CA 94523

FAX NO: (510) 930-0256

PHONE NO: (510) 930-9090

DATE: 6/2/94 # OF PAGES (Including cover) 6

REPLY REQUESTED:
(circle request)

NO

YES

URGENT

FAX REPLY

PHONE REPLY

FYI

TO:

Julie Sharp
Levine - Fricke

FROM:

Client Services

AEN PROJ NO:

9405269

CLIENT PROJ NO:

3158

- FINAL RESULTS
- PARTIAL RESULTS
- PRELIMINARY RESULTS

COMMENTS:

AEN Job No: 9405269Client Project ID: 3158Project Footnotes

These footnotes will appear on the final report:

65-8.5, D1-9, D2-9.5 - Reporting limit elevated for gasoline and B.T.E.X. due to hydrocarbon interferences.

For your information, these footnotes will not appear on the final report unless requested:

If you have any questions, please contact Client Services at (510) 930-9090. Thank you!

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LEVINE-FRICKE

SAMPLE ID: G5-8.5
 AEN LAB NO: 9405269-01
 AEN WORK ORDER: 9405269
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/20/94
 DATE RECEIVED: 05/20/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	2000	ug/kg	05/27/94
Toluene	108-88-3	ND	800	ug/kg	05/27/94
Ethylbenzene	100-41-4	ND	4000	ug/kg	05/27/94
Xylenes, Total	1330-20-7	ND	800	ug/kg	05/27/94
Purgeable HCs as Gasoline	5030/GCFID	ND	200	mg/kg	05/27/94

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LEVINE-FRICKE

SAMPLE ID: D1-9
 AEN LAB NO: 9405269-02
 AEN WORK ORDER: 9405269
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/20/94
 DATE RECEIVED: 05/20/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	200	ug/kg	05/26/94
Toluene	108-88-3	ND	100	ug/kg	05/26/94
Ethylbenzene	100-41-4	ND	50	ug/kg	05/26/94
Xylenes, Total	1330-20-7	ND	50	ug/kg	05/26/94
Purgeable HCs as Gasoline	5030/GCFID	ND	60	mg/kg	05/26/94
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	05/23/94
TPH as Diesel	GC-FID	1,300 *	1	mg/kg	05/26/94

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LEVINE-FRICKE

SAMPLE ID: D2-9.5
 AEN LAB NO: 9405269-03
 AEN WORK ORDER: 9405269
 CLIENT PROJ. ID: 3158

DATE SAMPLED: 05/20/94
 DATE RECEIVED: 05/20/94
 REPORT DATE: 06/02/94

ANALYTE	METHOD/ CAS#	RESULT	REPORTING LIMIT	UNITS	DATE ANALYZED
BTEX & Gasoline HCs	EPA 8020				
Benzene	71-43-2	ND	300	ug/kg	05/26/94
Toluene	108-88-3	ND	300	ug/kg	05/26/94
Ethylbenzene	100-41-4	ND	300	ug/kg	05/26/94
Xylenes, Total	1330-20-7	ND	300	ug/kg	05/26/94
Purgeable HCs as Gasoline	5030/GCFID	ND	60	mg/kg	05/26/94
#Extraction for Diesel/Oil	EPA 3550	-		Extrn Date	05/23/94
TPH as Diesel	GC-FID	89 *	1	mg/kg	06/01/94

ND = Not detected at or above the reporting limit
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