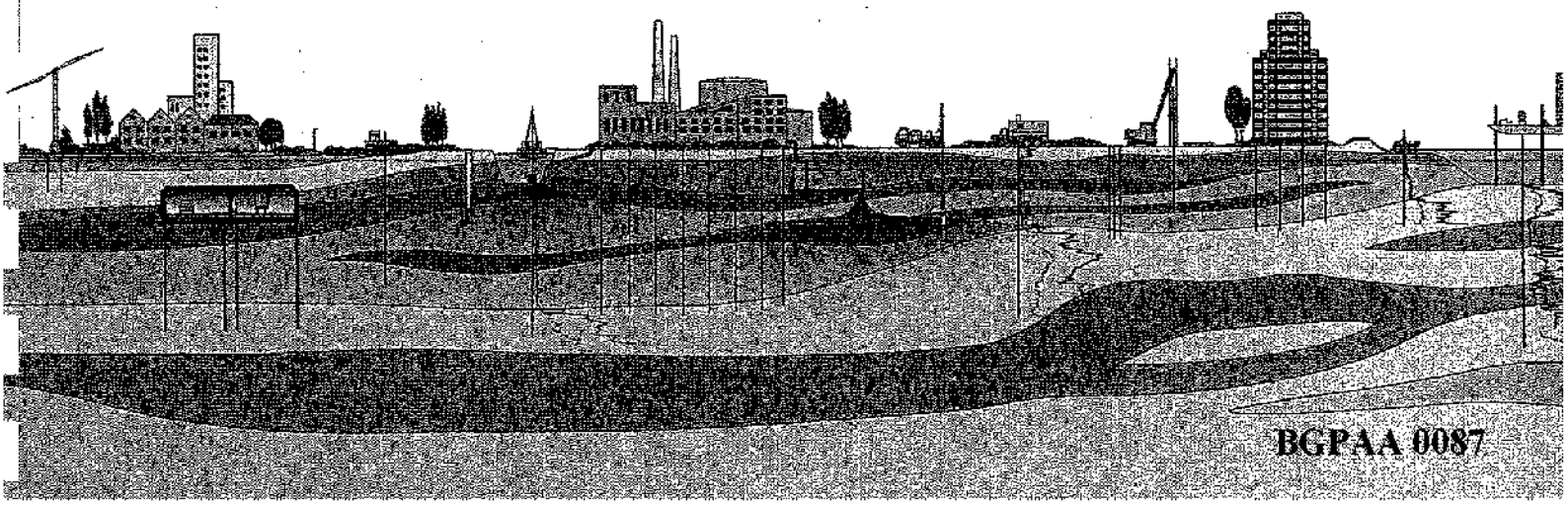
SDMS DOCID# 1109904

FUGRO WEST, INC.

LIMITED PHASE II SITE ASSESSMENT
7604 WHEATLAND AVENUE
SUN VALLEY, CALIFORNIA

Prepared for:
BURBANK-GLENDALE-PASADENA AIRPORT AUTHORITY
(Work Order No. 4.1)
(Fugro Job No. 93-41-3270)
(Document No. 4)

May 25, 1994



BGPAA 0087

FUGRO WEST, INC.

315 Arden Avenue, Suite 24
Glendale, CA 91203
Tel: (818) 546-2090
Fax: (818) 546-2091

Work Order No. 4.1, Document No. 4
May 25, 1994
Project No. 93-41-3270

Burbank-Glendale-Pasadena Airport Authority
2627 Hollywood Way
Terminal A, Second Floor
Burbank, California 91505

Attention: Mr. Dan Feger

Limited Phase II Site Assessment
7604 Wheatland Avenue
Sun Valley, California

Dear Mr. Feger:

At the request of the Burbank-Glendale-Pasadena Airport Authority (Airport Authority), Fugro West, Inc. (Fugro) conducted a Limited Phase II Site Assessment at 7604 Wheatland Avenue, Sun Valley, California (subject site), which included soil sampling and additional research regarding the septic tank suspected to be located at the subject site. The purpose of the soil sampling was to determine whether suspect areas observed as part of the *Limited Phase I Environmental Assessment, 7604 Wheatland Avenue, Sun Valley, California,* issued by Fugro and dated May 5, 1994, had impacted the subject site. The location of the subject site is depicted on Plate 1 - Vicinity Map.

Sampling

Three hand-augered soil borings were completed at the subject site. One undisturbed soil sample was collected from each boring with a hand-driven sample liner. Both the hand auger and the sample liners were decontaminated prior to and between each sampling point with a nonphosphate solution and then rinsed with three consecutive rinses of potable and deionized water. Sample SS-1 was taken approximately 4 feet below grade in the area of a suspected septic tank system. Samples ST-1 and ST-2 were taken approximately 1 foot below a concrete slab on which two discolored areas were observed. Approximate sample locations are depicted on Plate 2 - Site Sketch. The three samples were collected in 6-inch stainless-steel sample liners, sealed

with Teflon and plastic end caps, and transported under chain-of-custody protocol to National Environmental Testing, Inc. (NET), a California-certified laboratory located in Burbank, California. The samples were analyzed for volatile organic compounds (VOCs) using EPA Methods 8010 and 8020, total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1, and total concentrations of the 17 California Code of Regulations (CCR) metals. Laboratory transcripts are included in Appendix A.

Soil Sample Results

The metals results are summarized in Table 1. All metal concentrations were within 10 times the California Assessment Code Title 26 Soluble Threshold Limit Concentration (STLC) and 20 times the Resource Conservation and Recovery Act (RCRA) Toxicity Characteristic Leaching Procedure (TCLP), which are rules of thumb based on differences in dilution factors between analytical methods. The soluble level of these metals would not be expected to exceed either the STLC or the TCLP if these tests were performed; therefore, these soils are not considered to be significantly impacted.

VOCs were not detected in any of the three samples. TRPH was detected in SS-1 at a concentration of 69 parts per million (ppm). According to the State Water Resources Control Board *Leaking Underground Fuel Tank (LUFT) Field Manual*, dated October, 1989, the current regulatory action level is 100 ppm. TRPH was not detected in ST-1 or ST-2.

Septic Tank Survey

During the limited Phase I environmental assessment, Fugro observed two 12-inch-diameter vertical clay pipes in the ground along the northern boundary of the subject site. These pipes suggest that a septic tank may be present beneath the site. During the limited Phase II site assessment, Fugro assessed the contents of the tank, which appeared to be liquid-like rather than sludge-like, and had septic odor.

Fugro contacted Mr. Kenneth Redway at the City of Los Angeles, Department of Building and Safety, Plumbing Section, in order to determine the proper abandonment procedure of this tank. Mr. Redway stated that the tank must be abandoned by a California-licensed plumbing contractor. After obtaining proper permits at the City of Los Angeles, the contractor should pump out the contents of the tank, fill the tank with a concrete slurry, and cap the inlets. If construction is planned for the area above the septic tank, the septic tank may have to be removed.

Conclusions

Based on the soil sample results, suspect areas observed as part of the limited Phase I environmental assessment do not appear to have significantly impacted the subject site.

Fugro recommends that the suspected septic tank located at the subject site be properly abandoned by a California-licensed plumbing contractor. If construction is planned in the vicinity of the existing septic tank, the tank may have to be removed.

We appreciate the opportunity to provide our services to you. Should you have any questions or comments, please call the undersigned at (818) 546-2090.

Sincerely,

FUGRO WEST, INC.

Alison L. Canning
Senior Environmental Geologist

L. David Parker
Senior Environmental Engineer
Los Angeles Regional Management

LCW:sdf

Attachments: Table 1
Plates 1 and 2
Appendix A

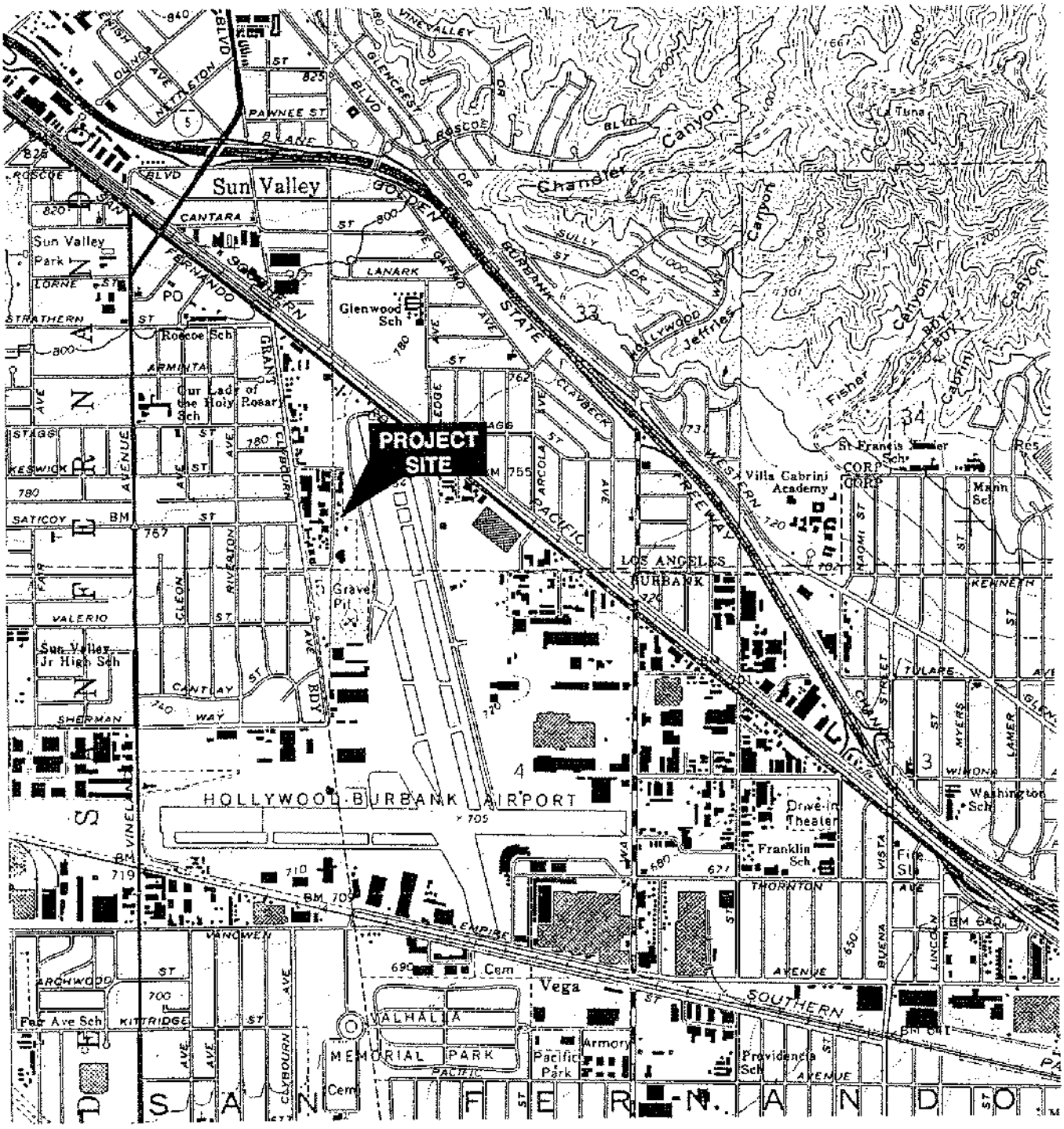
Copies submitted: (2)

Table 1. Soil Sample Results
(Results in parts per million [ppm])
Burbank-Glendale-Pasadena Airport Authority
7604 Wheatland Avenue
Sun Valley, California
May 13 and 18, 1994

	SS-1	ST-1	ST-2	STLC	TCLP
Antimony	ND	ND	ND	15	NA
Arsenic	8.10	11.1	9.70	5.0	5
Barium	68.3	102	198	100	100
Beryllium	ND	ND	ND	0.75	NA
Cadmium	ND	ND	ND	1.0	1
Chromium	7.88	11.5	10.2	560	5
Cobalt	5.05	8.04	6.55	80	NA
Copper	14.4	16.2	13.0	25	NA
Lead	11.5	ND	37.3	5.0	5
Mercury	ND	ND	ND	0.2	0.2
Molybdenum	ND	ND	ND	350	NA
Nickel	6.18	8.81	6.30	20	NA
Selenium	ND	ND	ND	1.0	1
Silver	ND	ND	ND	5	5
Thallium	ND	ND	ND	7.0	NA
Vanadium	18.4	28.2	21.9	24	NA
Zinc	62.8	69.5	67.2	250	NA

NA Not Available
ND Not Detected
STLC Soluble Threshold Limit Concentration
TCLP Toxicity Characteristic Leaching Procedure

May 1994
Project No. 93-41-3270



From: USGS Topo, Burbank Quadrangle

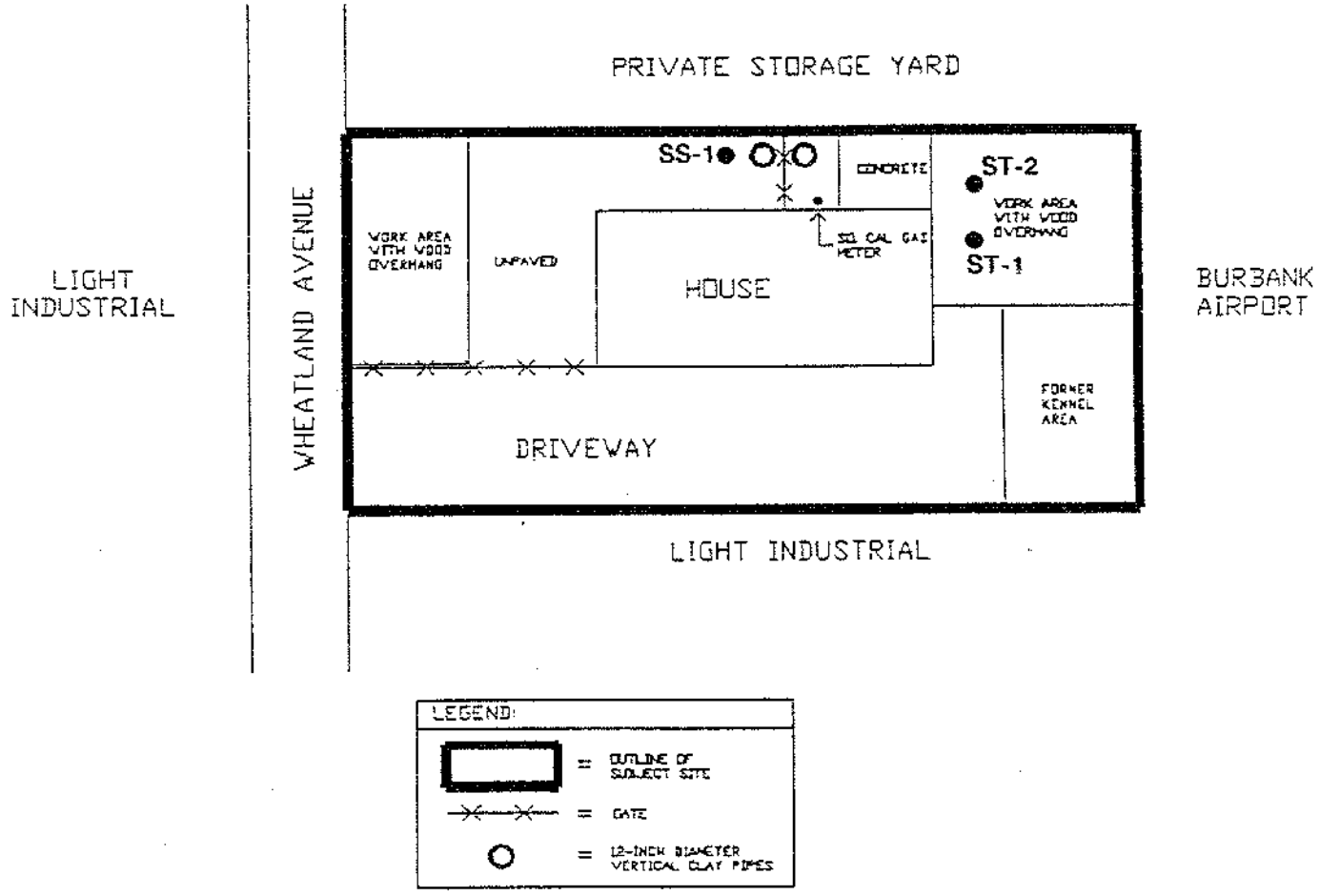
NORTH

0 1000 2000
FEET

VICINITY MAP
7604 Wheatland Avenue
Sun Valley, California

PLATE 1

BGPAA 0092



NORTH
NOT TO SCALE

SITE SKETCH
7604 Wheatland Avenue
Sun Valley, California

APPENDIX A

LABORATORY TRANSCRIPTS

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

Burbank Division
700 South Flower Street
Burbank, CA 91502
Tel: (213) 849-6591
Fax: (818) 567-6477

DOHS Certificate Number: 1192
LACSD Lab I.D. Number: 10158

05/24/1994

Alison Canning
Fugro-McClelland
5865 Olivas Park Dr.
Ventura, CA 93003

Client Ref: Wheatland St
Date Received: 05/19/1994

Sample analysis for the project referred to above has been completed and results are located on attached pages.

Should you have questions regarding procedures or results, please feel welcome to contact our Client Services Representatives or the Laboratory Director.

for Kimberly S. Banks
Project Manager

Post-It™ brand fax transmittal memo 7671	# of pages ▸
To Alison C.	From Rick S.
Co.	Co.
Dept.	Phone #
Fax #	Fax # 5/24/94

KB:rm
Attachments:
Analytical Reports
Chain of Custody Document

Client Net Acct No: 13200
NET Job No: 94.00827

NET®

Client Name: Fugro-McClelland
Client Ref.: Wheatland St

NET Job No.: 94.00827

Date Taken: 05/13/1994
Date Reported: 05/24/1994

Sample ID : SS-1

Lab No. : 64362

Sample Matrix: SOIL

ANALYTES/METHOD	METHOD	RESULTS/FLAGS		UNITS	REPORTING LIMIT
Method 418.1 (IR,TRPH)	418.1	69		mg/Kg	10
17 CAM Metals, Total					
Antimony (ICP)	6010	ND		mg/Kg	10.0
Arsenic (Hydride)	7061	8.10		mg/Kg	0.15
Barium (ICP)	6010	68.3		mg/Kg	1.0
Beryllium (ICP)	6010	ND		mg/Kg	1.0
Cadmium (ICP)	6010	ND		mg/Kg	0.5
Chromium (ICP)	6010	7.88		mg/Kg	1.0
Cobalt (ICP)	6010	5.05		mg/Kg	2.5
Copper (ICP)	6010	14.4		mg/Kg	1.0
Lead (ICP)	6010	11.5		mg/Kg	5.0
Mercury (CVAA)	7471	ND		mg/Kg	0.05
Molybdenum (ICP)	6010	ND		mg/Kg	10.0
Nickel (ICP)	6010	6.18		mg/Kg	2.5
Selenium (Hydride)	7741	ND		mg/Kg	0.5
Silver (ICP)	6010	ND		mg/Kg	1.0
Thallium (ICP)	6010	ND		mg/Kg	12.5
Vanadium (ICP)	6010	18.4		mg/Kg	2.5
Zinc (ICP)	6010	62.8	B	mg/Kg	1.0

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
B: Analyte detected in method blank associated with this sample

NET®

Client Name: Fugro-McClelland
Client Ref.: Wheatland St

NET Job No.: 94.00827
Date Taken: 05/13/1994
Date Reported: 05/24/1994

Sample ID : SS-1

Lab No. : 64362
Sample Matrix: SOIL

ANALYTES/METHOD	METHOD	RESULTS/FLAGS		UNITS	REPORTING LIMIT
METHOD 8010 & 8020 (GC,Solid)					
Extraction Method		5030			
Date Extracted		05-20-94			
Date Analyzed		05-20-94			
Dilution Factor	8010	1			
Bromodichloromethane	8010	ND		ug/Kg	5
Bromoform	8010	ND		ug/Kg	10
Bromomethane	8010	ND		ug/Kg	10
Carbon tetrachloride	8010	ND		ug/Kg	5
Chlorobenzene	8020	ND		ug/Kg	5
Chloroethane	8010	ND		ug/Kg	10
2-Chloroethylvinyl ether	8010	ND		ug/Kg	10
Chloroform	8010	ND		ug/Kg	5
Chloromethane	8010	ND		ug/Kg	10
Dibromochloromethane	8010	ND		ug/Kg	5
1,2-Dichlorobenzene	8020	ND		ug/Kg	5
1,3-Dichlorobenzene	8020	ND		ug/Kg	5
1,4-Dichlorobenzene	8020	ND		ug/Kg	5
Dichlorodifluoromethane	8010	ND		ug/Kg	10
1,1-Dichloroethane	8010	ND		ug/Kg	5
1,2-Dichloroethane	8010	ND		ug/Kg	5
1,1-Dichloroethene	8010	ND		ug/Kg	5
trans-1,2-Dichloroethene	8010	ND		ug/Kg	5
1,2-Dichloropropane	8010	ND		ug/Kg	5
cis-1,3-Dichloropropene	8010	ND		ug/Kg	5
trans-1,3-Dichloropropene	8010	ND		ug/Kg	5
Methylene chloride	8010	ND		ug/Kg	10
1,1,2,2-Tetrachloroethane	8010	ND		ug/Kg	5
Tetrachloroethene	8010	ND		ug/Kg	5
1,1,1-Trichloroethane	8010	ND		ug/Kg	5
1,1,2-Trichloroethane	8010	ND		ug/Kg	5
Trichloroethene	8010	ND		ug/Kg	5
Trichlorofluoromethane	8010	ND		ug/Kg	10
Vinyl chloride	8010	ND		ug/Kg	10
Benzene	8020	ND		ug/Kg	5
Ethylbenzene	8020	ND		ug/Kg	5
Toluene	8020	ND		ug/Kg	5
Xylenes (total)	8020	ND		ug/Kg	10
Surrogate Spike		--			
2-Chlorotoluene	8010/8020	59	a	% Rec.	

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
a: Low surrogate recovery due to sample matrix interference

NET®

Client Name: Fugro-McClelland
Client Ref.: Wheatland St

NET Job No.: 94.00827

Date Taken: 05/18/1994
Date Reported: 05/24/1994

Sample ID : ST-1

Lab No. : 64363

Sample Matrix: SOIL

ANALYTES/METHOD	METHOD	RESULTS/FLAGS	UNITS	REPORTING LIMIT
Method 418.1 (IR,TRPH)	418.1	ND	mg/Kg	10
17 CAM Metals, Total				
Antimony (ICP)	6010	ND	mg/Kg	10.0
Arsenic (Hydride)	7061	11.1	Kg	0.15
Barium (ICP)	6010	102	mg/Kg	1.0
Beryllium (ICP)	6010	ND	mg/Kg	1.0
Cadmium (ICP)	6010	ND	mg/Kg	0.5
Chromium (ICP)	6010	11.5	mg/Kg	1.0
Cobalt (ICP)	6010	8.04	mg/Kg	2.5
Copper (ICP)	6010	16.2	mg/Kg	1.0
Lead (ICP)	6010	ND	mg/Kg	5.0
Mercury (CVAA)	7471	ND	mg/Kg	0.05
Molybdenum (ICP)	6010	ND	mg/Kg	10.0
Nickel (ICP)	6010	8.81	mg/Kg	2.5
Selenium (Hydride)	7741	ND	mg/Kg	0.5
Silver (ICP)	6010	ND	mg/Kg	1.0
Thallium (ICP)	6010	ND	mg/Kg	12.5
Vanadium (ICP)	6010	28.2	mg/Kg	2.5
Zinc (ICP)	6010	69.5 B	mg/Kg	1.0

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
B: Analyte detected in method blank associated with this sample

NET®

Client Name: Fugro-McClelland
Client Ref.: Wheatland St

NET Job No.: 94.00827

Date Taken: 05/18/1994
Date Reported: 05/24/1994

Sample ID : ST-1

Lab No. : 64363

Sample Matrix: SOIL

ANALYTES/METHOD	METHOD	RESULTS/FLAGS	UNITS	REPORTING LIMIT
METHOD 8010 & 8020 (GC,Solid)				
Extraction Method		3030		
Date Extracted		05-20-94		
Date Analyzed		05-20-94		
Dilution Factor	8010	1		
Bromodichloromethane	8010	ND	ug/Kg	5
Bromoform	8010	ND	ug/Kg	10
Bromomethane	8010	ND	ug/Kg	10
Carbon tetrachloride	8010	ND	ug/Kg	5
Chlorobenzene	8020	ND	ug/Kg	5
Chloroethane	8010	ND	ug/Kg	10
2-Chloroethylvinyl ether	8010	ND	ug/Kg	10
Chloroform	8010	ND	ug/Kg	5
Chloromethane	8010	ND	ug/Kg	10
Dibromochloromethane	8010	ND	ug/Kg	5
1,2-Dichlorobenzene	8020	ND	ug/Kg	5
1,3-Dichlorobenzene	8020	ND	ug/Kg	5
1,4-Dichlorobenzene	8020	ND	ug/Kg	5
Dichlorodifluoromethane	8010	ND	ug/Kg	10
1,1-Dichloroethane	8010	ND	ug/Kg	5
1,2-Dichloroethane	8010	ND	ug/Kg	5
1,1-Dichloroethene	8010	ND	ug/Kg	5
trans-1,2-Dichloroethene	8010	ND	ug/Kg	5
1,2-Dichloropropane	8010	ND	ug/Kg	5
cis-1,3-Dichloropropene	8010	ND	ug/Kg	5
trans-1,3-Dichloropropene	8010	ND	ug/Kg	5
Methylene chloride	8010	ND	ug/Kg	10
1,1,2,2-Tetrachloroethane	8010	ND	ug/Kg	5
Tetrachloroethene	8010	ND	ug/Kg	5
1,1,1-Trichloroethane	8010	ND	ug/Kg	5
1,1,2-Trichloroethane	8010	ND	ug/Kg	5
Trichloroethene	8010	ND	ug/Kg	5
Trichlorofluoromethane	8010	ND	ug/Kg	10
Vinyl chloride	8010	ND	ug/Kg	10
Benzene	8020	ND	ug/Kg	5
Ethylbenzene	8020	ND	ug/Kg	5
Toluene	8020	ND	ug/Kg	5
Xylenes (total)	8020	ND	ug/Kg	10
Surrogate Spike		--		
2-Chlorotoluene	8010/8020	61	% Rec.	

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.

Client Name: Fugro-McClelland
Client Ref.: Wheatland St

Date Taken: 05/18/1994
NET Job No.: 94.00827 Date Reported: 05/24/1994

Sample ID : ST-2

Lab No. : 64364 Sample Matrix: SOIL

ANALYTES/METHOD	METHOD	RESULTS/FLAGS		UNITS	REPORTING LIMIT
Method 418.1 (IR,TRPH)	418.1	ND		mg/Kg	10
17 CAM Metals, Total					
Antimony (ICP)	6010	ND		mg/Kg	10.0
Arsenic (Hydride)	7061	9.70		mg/Kg	0.15
Barium (ICP)	6010	198		mg/Kg	1.0
Beryllium (ICP)	6010	ND		mg/Kg	1.0
Cadmium (ICP)	6010	ND		mg/Kg	0.5
Chromium (ICP)	6010	10.2		mg/Kg	1.0
Cobalt (ICP)	6010	6.55		mg/Kg	2.5
Copper (ICP)	6010	13.0		mg/Kg	1.0
Lead (ICP)	6010	37.3		mg/Kg	5.0
Mercury (CVAA)	7471	ND		mg/Kg	0.05
Molybdenum (ICP)	6010	ND		mg/Kg	10.0
Nickel (ICP)	6010	6.30		mg/Kg	2.5
Selenium (Hydride)	7741	ND		mg/Kg	0.5
Silver (ICP)	6010	ND		mg/Kg	1.0
Thallium (ICP)	6010	ND		mg/Kg	12.5
Vanadium (ICP)	6010	21.9		mg/Kg	2.5
Zinc (ICP)	6010	67.2	B	mg/Kg	1.0

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
B: Analyte detected in method blank associated with this sample

NET®

Client Name: Fugro-McClelland
Client Ref.: Wheatland St

NET Job No.: 94.00827

Date Taken: 05/18/1994
Date Reported: 05/24/1994

Sample ID : ST-2

Lab No. : 64364

Sample Matrix: SOIL

ANALYTES/METHOD	METHOD	RESULTS/FLAGS		UNITS	REPORTING LIMIT
METHOD 8010 & 8020 (GC,Solid)					
Extraction Method		5030			
Date Extracted		05-20-94			
Date Analyzed		05-20-94			
Dilution Factor	8010	1			
Bromodichloromethane	8010	ND		ug/Kg	5
Bromoform	8010	ND		ug/Kg	10
Bromomethane	8010	ND		ug/Kg	10
Carbon tetrachloride	8010	ND		ug/Kg	5
Chlorobenzene	8020	ND		ug/Kg	5
Chloroethane	8010	ND		ug/Kg	10
2-Chloroethylvinyl ether	8010	ND		ug/Kg	10
Chloroform	8010	ND		ug/Kg	5
Chloromethane	8010	ND		ug/Kg	10
Dibromochloromethane	8010	ND		ug/Kg	5
1,2-Dichlorobenzene	8020	ND		ug/Kg	5
1,3-Dichlorobenzene	8020	ND		ug/Kg	5
1,4-Dichlorobenzene	8020	ND		ug/Kg	5
Dichlorodifluoromethane	8010	ND		ug/Kg	10
1,1-Dichloroethane	8010	ND		ug/Kg	5
1,2-Dichloroethane	8010	ND		ug/Kg	5
1,1-Dichloroethene	8010	ND		ug/Kg	5
trans-1,2-Dichloroethene	8010	ND		ug/Kg	5
1,2-Dichloropropane	8010	ND		ug/Kg	5
cis-1,3-Dichloropropene	8010	ND		ug/Kg	5
trans-1,3-Dichloropropene	8010	ND		ug/Kg	5
Methylene chloride	8010	ND		ug/Kg	10
1,1,2,2-Tetrachloroethane	8010	ND		ug/Kg	5
Tetrachloroethene	8010	ND		ug/Kg	5
1,1,1-Trichloroethane	8010	ND		ug/Kg	5
1,1,2-Trichloroethane	8010	ND		ug/Kg	5
Trichloroethene	8010	ND		ug/Kg	5
Trichlorofluoromethane	8010	ND		ug/Kg	10
Vinyl chloride	8010	ND		ug/Kg	10
Benzene	8020	ND		ug/Kg	5
Ethylbenzene	8020	ND		ug/Kg	5
Toluene	8020	ND		ug/Kg	5
Xylenes (total)	8020	ND		ug/Kg	10
Surrogate Spike		--			
2-Chlorotoluene	8010/8020	57	a	% Rec.	

ND: Not Detected at the Reporting Limit, if a dilution factor is reported the R.L. must be multiplied by the dilution factor to obtain actual R.L.
a: Low surrogate recovery due to sample matrix interference

NET® NATIONAL ENVIRONMENTAL TESTING, INC.
700 S. Flower St.
Burbank, CA 91502
213-849-6595 • Fax 818-567-6477

Chain of Custody / Request for Analysis

Client: Fugro
Address (line 1):
Address (line 2):
Contact: Alison Canning

Project: Wheatland St
P.O. #: 9341-3270
Phone #:
Fax #:

Additional Reports to:
Attn:
Fax #:

Send Invoice to:
Attn:
Phone #:

LAB USE ONLY
Job #:
Report Format:
Storage Location:

Sample Identification	Matrix: Soil	Matrix: Water	Matrix: Other	Container #/Type	1) HNO_3 2) H_2SO_4 3) Na OH 4) Other (Specify)	Grab	Composite	Sampling Information: Date	Sampling Information: Time	Analyses Requested: 8010 8020	17 Metals	TRPH									
SS-1	X			1/SS	ICE	X		5/13		X	X	X									
ST-1	X				ICE	X		5/18	345	X	X	X									
ST-2	X				ICE	X		5/18	415	X	X	X									

Method of shipment:
- NET Courier ☐
- Fed. Ex. ☐
- UPS ☐
- Other ☐
- Hand Deliver ☐

Airbill #:

Remarks:

Comments: Normal TAT

Special QA/QC:

Special Detection Limits:

Subcontracting allowed: Yes☐ no☐ with approval☐

Turnaround time: Fax☐ Verbal☐ Final☐

Priority Rush
- 1 Business Day ☐ Date/Time
- Rush 2 Business Days ☐ Date/Time
- 5 Business Days ☐ Date/Time
- 10 Business Days ☐ Date/Time

Condition of sample: Bottles intact? yes / no COC seals present and intact? yes / no Temperatures upon receipt: Volatiles free of headspace? yes / no

Sampled by: (print name)	Date:	Time:	Received by:	Date:	Time:
Jeff Marksamen	5/18/94			5/18/94	6PM
Relinquished by:	**Date:**	**Time:**	**Received by:**	**Date:**	**Time:**
	5/18/94	6PM			
Relinquished by:	**Date:**	**Time:**	**Received by laboratory:**	**Date:**	**Time:**
				5/19/94	8:55AM

Distribution: White-Laboratory; Canary-Invoicing; Pink-Client

Page 1 of 1 COC #: 3482