



Environmental Science & Engineering, Inc.

FACSIMILE

DATE: 3/8/94 TIME: 8:50 AM

TO: SASHA GEORGE FROM: JAY CARPENTER
A H A ESE, Inc.
4090 Nelson Avenue, Ste J
Concord, CA 94520

FAX #: 522-7848 JOB #: 6-94-5199

SUBJECT: SOIL SAMPLE LAB RESULTS & LOCATION MAP

Number of Pages

(Including this Cover Sheet)

6

ADDITIONAL MESSAGE:

SASHA, WATER SAMPLE RESULT
WILL BE FAXED TODAY. PLEASE LOOK
THIS OVER & CALL ME BACK.

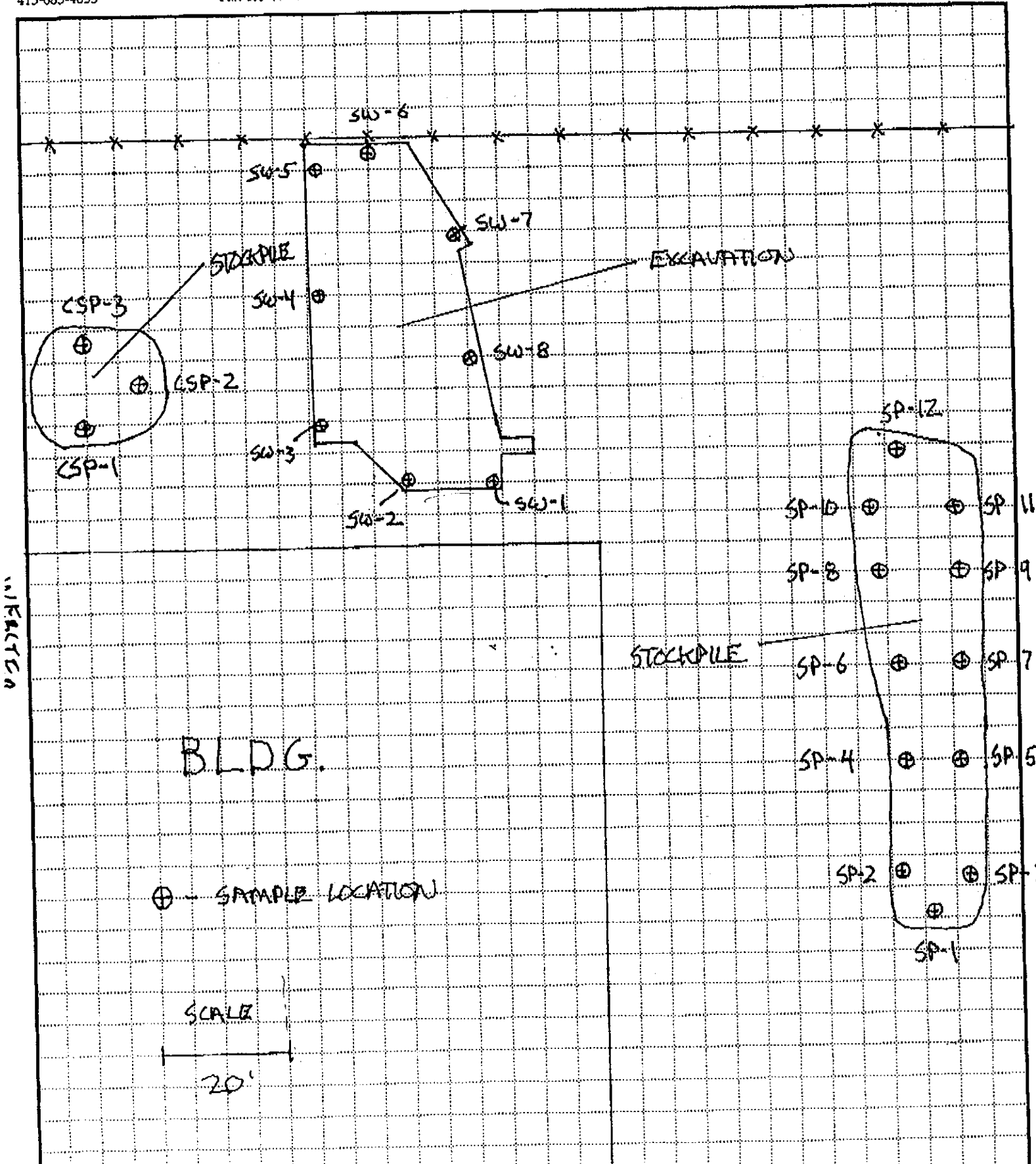
If you have any questions, please call us immediately at (510) 685-4053.



Environmental Science & Engineering, Inc.

4090 Nelson Avenue, Suite J
415-685-4053

Concord, California 94520
Fax 415-685-5323



McCAMPBELL ANALYTICAL INC. 110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID:# 6-94-5199; Alameda Housing Authority	Date Sampled: 03/05/94
	Client Contact: Mac Quadir	Date Received: 03/05/94
	Client P.O:	Date Extracted: 03/05/94
		Date Analyzed: 03/05/94

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX* PPM
 EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) ⁺	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
34562	SW-1	S	4.2,c	0.12	0.045	0.024	0.049	146 [#]
34563	SW-2	S	1800,a	21	60	24	98	130 [#]
34564	SW-3	S	71,c,a	3.5	0.24	0.70	1.9	102
34565	SW-4	S	31,c,a	0.72	0.47	0.15	0.66	107
34566	SW-5	S	8.6,c	0.69	0.035	0.013	0.042	128 [#]
34567	SW-6	S	2.3,c,a	0.12	0.020	ND	0.061	115 [#]
34568	SW-7	S	9.6,b,c	1.5	0.036	0.12	0.41	106
34569	SW-8	S	2.6,c,b	0.36	0.021	0.014	0.079	109
34570	CSP-1,2,3	S	110,b,a	0.71	1.2	0.78	2.0	107
34571	SP-1,2	S	810,a	5.8	25	9.3	33	114 [#]
34572	SP-3,4	S	1900,a	15	68	15	52	120 [#]
34573	SP-5,6	S	380,b	0.97	4.8	2.3	8.5	107
34574	SP-7,8	S	1600,a	13	46	12	41	128 [#]
34575	SP-9,10	S	210,a	2.0	6.3	1.7	5.6	145 [#]
34576	SP-11,12	S	2100,a	14	72	17	65	117 [#]
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

* The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

X 10 PPM TPH; < 1 PPM - BTEX


FE March 5, 1994 PAGE 1 OF 3

CHAIN OF CUSTODY RECORD

2146AESE43

PROJECT NAME ALAMEDA Housing Auth.
 ADDRESS 1916 WEBSTER AVE
ALAMEDA, CA
 PROJECT NO. 6-94-5199
 SAMPLED BY CHRIS VALCHOFF
 SAMPLE NAME McCampbell

				ANALYSES TO BE PERFORMED										MATRIX	MATRIX	NUMBER OF CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
SAMPLE #	DATE	TIME	LOCATION	TRH-G	BTEX												
W-1	3-5-94	1215	ALAMEDA	X	X									SOIL	1	6" Brass Ring	34562
W-2		1220		X	X										1		34563
W-3		1225		X	X										1		34564
W-4		1230		X	X										1		34565
W-5		1235		X	X										1		34566
W-6		1400		X	X										1		34567
W-7		1405		X	X										1		34568
W-8		1410		X	X										1		34569



Environmental Science & Engineering, Inc.
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RELINQUISHED BY: (signature) [Signature] RECEIVED BY: (signature) [Signature] date time 3-17-94 1540

REPORT RESULTS TO: MNC QUADIR SPECIAL SHIPMENT REQUIREMENTS: COLD TRANSPORT HAND DELIVER

ICE? PRESERVATION: WAS PLACED IN COOLERS
 GOOD CONDITION APPROPRIATE CONTAINERS
 HEAD SPACE ABSENT

INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.):
24 HR RUSH TURN AROUND

CHAIN OF CUSTODY SEALS
 REC'D GOOD CONDITN/COLD
 CONFORMS TO RECORD

03/08/94 08:45
 0510 005 5323
 ESE, INC. CON
 000000
 0006/006

CHAIN OF CUSTODY RECORD

AESEHA

PROJECT NAME FLAMING HOUSING AUTHORITY
 ADDRESS 1916 WEBSTER AVE
ALAMEDA, CA

PROJECT NO. 6-94-5799

SAMPLED BY CHRIS VANUETT

LAB NAME McCAMPBELL ANALYTICAL



Environmental Science & Engineering, Inc.

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SAMPLE #	DATE	TIME	LOCATION
CSP-1	3-5-94	1240	ALAMEDA
CSP-2	↓	1245	↓
CSP-3	↓	1250	↓

ANALYSES TO BE PERFORMED										MATRIX	NUMBER OF CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
										MATRIX		
										TPH-G BTEX		
										SOIL	1	6" BORE HOLE
										COMPOSITE	1	34570

ICE/T GOOD CONDITION
 HEAD SPACE ABSENT
 PRESERVATIVE APPROPRIATE
 CONTAINERS

ELIMINATED BY (signature) [Signature] RECEIVED BY: (signature) [Signature] date time 3-5-94 12:40

TOTAL NUMBER OF CONTAINERS 3
 REPORT RESULTS TO: MAC GWADIP
 SPECIAL SHIPMENT REQUIREMENTS: COLD TRANSPORT HAND DELIVER
 SAMPLE RECEIPT

INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.):
24 HR RUSH TURN AROUND

CHAIN OF CUSTODY SEALS
 REC'D GOOD CONDITN/COLD
 CONFORMS TO RECORD

08/08/94 08:44
 03:07-1994 10:10PM
 0510 685 5323
 FRUJ McCampbell
 ESE, INC. CON
 005/006

DATE March 5, 1994 PAGE 3 OF 3

CHAIN OF CUSTODY RECORD

AES243

PROJECT NAME Alameda Housing Auth
 ADDRESS 1916 WEBSTER AVE
Alhambra, CA
 PROJECT NO. 6-94-5199
 FILED BY CHRIS VALCICCE

ANALYSIS NAME McCAMPBELL ANALYTICAL

SAMPLE #	DATE	TIME	LOCATION
SP-1	3-5-94	1300	ALHAMBRA
SP-2		1305	
SP-3		1310	
SP-4		1315	
SP-5		1320	
SP-6		1325	
SP-7		1330	
SP-8		1335	
SP-9		1340	
SP-10		1345	
SP-11		1350	
SP-12		1355	

ANALYSES TO BE PERFORMED								MATRIX	NUMBER OF CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
PH-G	BTEX							MATRIX		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							Soil	1	6" BRAC BNC
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	COMPOSITE	X	X						34571
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	COMPOSITE	X	X						34572
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	COMPOSITE	X	X						34573
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	COMPOSITE	X	X						34574
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	COMPOSITE	X	X						34575
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	COMPOSITE	X	X						34576



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RELINQUISHED BY: (signature) [Signature]

RECEIVED BY: (signature) [Signature] date time 3-5-94 1350

TOTAL NUMBER OF CONTAINERS 12

ICE/CAP
 GOOD CONDITION
 HEADSPACE ABSENT

PRECEDENTIVE APPROPRIATE CONTAINERS

REPORT RESULTS TO:
 MAC
 QUADIP

SPECIAL SHIPMENT REQUIREMENTS
 COLD TRANSPORT
 HAND DELIVER

INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.):

ZONE RUSH TURN AROUND

CHAIN OF CUSTODY SEALS	
REC'D GOOD CONDITN/COLD	<input checked="" type="checkbox"/>
CONFORMS TO RECORD	<input checked="" type="checkbox"/>

03/08/94 08:44
 03/08/1994 10:10 AM
 0510 5323
 ESE, INC. CON
 0004/008