



General Services Agency

Dartene Smith, Director

BUILDING MAINTENANCE DEPARTMENT

4400 MACARTHUR BOULEVARD
OAKLAND, CA 94619
(510) 535-6253

FAX COVER SHEET

FAX NO: (510) 535-6225
(510) 535-6245

TESTS OF
FOR
BACKFILL
UST PIT

DATE: OCT. 5 1993

TO:

COMPANY: EMU. HEALTH
ATTN: Scott Seery
FAX: 569-4757
TEL. NO: _____

FROM:

GENERAL SERVICES AGENCY
Pete Kinney - 36280

COMMENTS:

RESULTS FROM STOCKPILE AT THE
NEW ANIMAL CONTROL SHELTER AREA.
SOIL TO BE USED AS BACKFILL FOR UST'S #11-12
ALL SAMPLES WERE N.D. FOR OIL, TPH, D, G,
BTEX. WE ARE PLANNING TO BACKFILL
THIS WED OR THURSDAY IF IT DOES NOT RAIN.

Pete

COVER SHEET PLUS 5 PAGES TO FOLLOW

CHAIN OF CUSTODY RECORD

PROJECT NAME ALAMEDA COUNTY GSA
 ADDRESS SANTA RITA CORRECTIONAL FACILITY, UNALD, CA

PROJECT NO. 6-93-5677
 EMPLOYED BY [Signature] BAIT ANALYST
 LAB NAME ALAMEDA ANALYTICAL



Environmental Science & Engineering, Inc.
 10555 Vasco Avenue
 Suite 1
 San Diego, CA 92126
 Phone (619) 485-4651
 Fax (619) 465-3311

SAMPLE #	DATE	TIME	LOCATION	ANALYSES TO BE PERFORMED				MATRIX	CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
				TRMg (8015m)	TRM-d (8015m)	ATER (8020)	TOIG (SAND 5530)			
2-13	9/24/93	10:40	SWEEP DE BRICKPILE	✓	✓	✓	✓	Soil	1	COMPOSITE 4 SAMPLES FOR ANALYSES
2-14	"	10:45	"	✓	✓	✓	✓	"	1	
2-15	"	10:52	"	✓	✓	✓	✓	"	1	
2-16	"	10:59	"	✓	✓	✓	✓	"	1	

32358

ICE/T GOOD CONDITION
 HEAD SPACE ABSENT
 PRESERVATIVE APPROPRIATE
 CONTAINERS
 NOAS O&G METALS OTHER

RELINQUISHED BY: (signature) <u>[Signature]</u>	RECEIVED BY: (signature) <u>[Signature]</u>	date 9/24	time 12:40	#	TOTAL NUMBER OF CONTAINERS
				REPORT RESULTS TO: SRI/BAIT ANALYST/ES&E RETURN TO: GSA ATTN: BAIT ANALYST/ES&E	SPECIAL SHIPMENT REQUIREMENTS COLD TRANSPORT
INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.): TOTAL P. of hour T.A.T.					SAMPLE RECEIPT
					CHAIN OF CUSTODY SEALS
					REC'D GOOD COND'TN/COLD
					CONFORMS TO RECORD

465631

CHAIN OF CUSTODY RECORD

DATE September 24, 1993 PAGE 1 OF 2

PROJECT NAME ALAMEDA COUNTY GSA

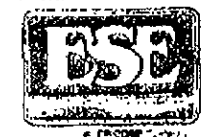
ADDRESS SANTA RITA CORRECTIONAL

FACILITY, OAKLAND, CA

PROJECT NO. 6-93-5071

SAMPLED BY R. J. Miller

LAB NAME Mc CAMPBELL ANALYTICAL



Environmental Science & Engineering Inc.

3000 National Avenue
Fremont
California 94530

Phone (510) 685-4457
Fax (510) 685-4321

ANALYSES TO BE PERFORMED								MATRIX	NUMBER OF CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
TPM-g (8015m)	TPM-d (8015m)	REA (8020)	TO:G (SAMPLER)					MATRIX		
✓	✓	✓	✓					SOIL	1	} COMPOSITE FOUR SAMPLES FOR ANALYSES
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	} COMPOSITE FOUR SAMPLES FOR ANALYSES
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	} COMPOSITE FOUR SAMPLES FOR ANALYSES
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	
✓	✓	✓	✓					"	1	

RELINQUISHED BY: (signature) [Signature]

RECEIVED BY: (signature) [Signature]

date time 9/24 13:40

12

TOTAL NUMBER OF CONTAINERS

- 1. [Signature]
- 2. [Signature]
- 3. [Signature]
- 4. GOOD CONDITION
- 5. HEAD SPACE ABSENT

PRESERVATIVE	VOAST	O & G	METALS	OTHER
<u>APPROPRIATE</u>				
CONTAINERS				

REPORT RESULTS TO:
FAX: BRUNNEN CEE
RESEARCH AND GSA
FAX: BRUNNEN CEE

SPECIAL SHIPMENT REQUIREMENTS
COLD TRANSPORT

INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.):
24 hour T.A.T.

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

McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622
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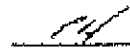
Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-93-5077; Alameda Co. GSA, Santa Rita, Dublin	Date Sampled: 09/24/93
	Client Contact: Bart Miller, Peter Kinney	Date Received: 09/24/93
	Client P.O.: Alameda County 141-0-7925-00	Date Extracted: 09/24/93
		Date Analyzed: 09/24/93

Petroleum Oil & Grease (with Silica Gel Clean-up) *
 EPA methods: 413.1, 9070 or 9071; Standard Methods 5520 B/E&F or 503 D&E for solids and 5520 B&F or 503 A&E for liquids

Lab ID	Client ID	Matrix	Oil & Grease
32355	SP- 1-4	S	ND
32356	SP- 5-8	S	ND
32357	SP- 9-12	S	ND
32358	SP- 13-16	S	ND
Detection Limit unless otherwise stated; ND means Not Detected	W		5 mg/L
	S		50 mg/kg

*water samples are reported in mg/L and soils in mg/kg

DHS Certification No. 1644

 Edward Hamilton, Lab Director

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		Date Analyzed: 09/24/93

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *
 EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) ⁺	% Recovery Surrogate
32355	SP- 1-4	S	ND	103
32356	SP- 5-8	S	ND	102
32357	SP- 9-12	S	ND	102
32358	SP- 13-16	S	ND	102
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L		
	S	10 mg/kg		

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L.
 # cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline
 + 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 diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light (cl) or heavy (cr) diesel compounds are significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

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	Client Contact: Bart Miller, Peter Kinney	Date Received: 09/24/93
	Client P.O: Alameda County 141-0-7925-00	Date Analyzed: 09/24/93
		Date Extracted: 09/24/93

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*
 EPA methods 8030, 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
32355	SP- 1-4	S	ND	ND	ND	ND	ND	110
32356	SP- 5-8	S	ND	ND	ND	ND	ND	98
32357	SP- 9-12	S	ND	ND	ND	ND	ND	97
32358	SP- 13-16	S	ND	ND	ND	ND	ND	93
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ng/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.

DHS Certification No. 1644 *EH* Edward Hamilton, Lab Director