

Bldg. 790, Attn: AFRC-FMC-ENV  
Dublin, CA 94568-5201  
510-803-5638

**PARKS RFTA**

# Fax

**To:** Ms. Eva Chu **From:** Marshall Marik

---

**Fax:** 510-337-9335 **Pages:** 9

---

**Phone:** 510-567-8762 **Date:** September 17, 1997

---

**Re:** Sample results for FCI barrel **CC:**

---

Urgent     For Review     Please Comment     Please Reply     Please Recycle

---

● **Comments:**

Dear Eva:

Enclosed are the sample results we spoke about yesterday.

Thank you.



Marshall Marik

*9/17/97*

*Probably not pesticides -  
OK to properly dispose liquid in  
drum - after 3X rinse. Drum can  
be scrapped as metal.  
Soil below to be analyzed for metals*

**PART I**

**A. GENERAL INFORMATION**

WASTE PROFILE NO. \_\_\_\_\_

**1. GENERATOR NAME**

Camp Parks

**2. FACILITY ADDRESS**

610g 790  
 Camp Parks, Dublin  
 CA

**3. GENERATOR USEPA ID**

CAZ 000121864

**4. GENERATOR STATE ID**

**6. TECHNICAL CONTACT**

V. Dover

**7. TITLE AND PHONE**

(510) 521 6577

**8. 1. NAME OF WASTE**

WATER w/ ARSENIC

**2. USEPA/STATE WASTE CODE(S)**

D004 CA-135

**3. PROCESS GENERATING WASTE**

Miscellaneous

**4. PROJECTED ANNUAL VOLUME/UNITS**

20 BK

**5. MODE OF COLLECTION**

D255.05

**6. IS THIS WASTE A DIOXIN LISTED WASTE AS DEFINED IN 40 CFR 261.31**

(e.g., F020, F021, F022, F023, F026, F027 OR F028)? ( ) YES (X) NO

**7. IS THIS WASTE RESTRICTED FROM LAND DISPOSAL (40 CFR 268)?** (X) YES ( ) NO

HAS AN EXEMPTION BEEN GRANTED? ( ) YES (X) NO

DOES THE WASTE MEET APPLICABLE TREATMENT STANDARDS? ( ) YES (X) NO

REFERENCE STANDARDS 40 CFR 268

**PART II**

**1. MATERIAL CHARACTERIZATION**

(OPTIONAL-NOT REQUIRED DATA)

COLOR VARIOUS ODOR NONE BOILING PT >95  
 DENSITY 2-10 BTU/LB 30000  
 TOTAL SOLIDS <10% ASH CONTENT <10%  
 LAYERING: ( ) MULTILAYERED ( ) BILAYERED  
 (X) SINGLE PHASE

**2. RCRA CHARACTERISTICS**

PHYSICAL STATE: ( ) SOLID (X) LIQUID ( ) GAS

( ) SEMI-SOLID ( ) OTHER

TREATMENT GROUP: ( ) WASTEWATER

(X) NON-WASTEWATER

( ) IGNITABLE (D001) ( ) REACTIVE (D003)

FLASH PT (F) ( ) WATER REACTIVE

( ) HIGH TOC (> 10%) ( ) CYANIDE REACTIVE

( ) LOW TOC (< 10%) ( ) SULFIDE REACTIVE

( ) CORROSIVE (D002)

(X) TOXICITY CHARACTERISTIC (SEE REVERSE FOR LISTING)

pH ( ) CORRODES STEEL

**3. CHEMICAL COMPOSITION (ppm or mg/L)**

COPPER 0 PHENOLICS 0  
 NICKEL 0 TOTAL HALOGENS 0  
 ZINC 0 VOLATILE ORGANICS 0  
 CHROMIUM-HEX 0 PCBs 0  
 (OTHER) 0

NOTE: EXPLOSIVES, SHOCK SENSITIVE, PYROPHORIC, RADIOACTIVE, AND ETIOLOGICAL WASTE NORMALLY ARE NOT ACCEPTED BY THE DRMO.

**4. MATERIAL COMPOSITION**

COMPONENT	CONCENTRATION	RANGE
Water		TO BALANCE
Arsenic		79 mg/L
TOTAL	100	100%

**5. SHIPPING INFORMATION**

DOT HAZARDOUS MATERIAL? (X) YES ( ) NO

PROPER SHIPPING NAME Hazardous Waste, Liquid  
NO5 (Arsenic)

HAZARD CLASS 9

PACKING GROUP III UN/NA NO. 3082

ADDITIONAL DESCRIPTION

METHOD OF SHIPMENT ( ) BULK (X) DRUM

( ) OTHER: \_\_\_\_\_

CERCLA REPORTABLE QUANTITY (RQ) \_\_\_\_\_

EMERGENCY RESPONSE GUIDE PAGE \_\_\_\_\_

DOT PUBLICATION 5800.4 PAGE NO. 171

EDITION (YR) 1996

SPECIAL HANDLING INFORMATION 1PE

**6. GENERATOR CERTIFICATION**

**BASIC FOR INFORMATION**

(X) CHEMICAL ANALYSIS (ATTACH TEST RESULTS)

( ) USER KNOWLEDGE (ATTACH SUPPORTING DOCUMENTS - EXPLAIN HOW AND WHY THESE DOCUMENTS COMPLY WITH RCRA REQUIREMENTS)

I, \_\_\_\_\_, HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS TO THE BEST OF MY KNOWLEDGE AN ACCURATE REPRESENTATION OF THE WASTE TURNED IN TO THE DRMO. ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

SIGNATURE OF GENERATOR'S REPRESENTATIVE

DATE

V. Dover

9-2-97

**TOXICITY CHARACTERISTIC LIST**

EFFECTIVE 25 SEP 90 - LARGE QUANTITY GENERATORS  
 29 MAR 91 - SMALL QUANTITY GENERATORS

CONTAMINANT	EPA HW NO	(mg/L)	CONTAMINANT	EPA HW NO	(mg/L)
( ) ARSENIC	D004	79	( ) HEXACHLORO-1,3,-BUTADIENE	D033	0
( ) BARIUM	D005	0	( ) HEXACHLOROETHANE	D034	
( ) BENZENE	D018		( ) LEAD	D008	
( ) CADMIUM	D006		( ) LINDANE	D013	
( ) CARBON TETRACHLORIDE	D019		( ) MERCURY	D009	
( ) CHLORDANE	D020		( ) METHOXYCHLOR	D014	
( ) CHLOROBENZENE	D021		( ) METHYL ETHYL KETONE	D035	
( ) CHLOROPFORM	D022		( ) NITROBENZENE	D036	
( ) CHROMIUM	D007		( ) PENTACHLOROPHENOL	D037	
( ) O-CRESOL	D023		( ) PYRIDINE	D038	
( ) M-CRESOL	D024		( ) SELENIUM	D010	
( ) P-CRESOL	D025		( ) SILVER	D011	
( ) CRESOL	D026		( ) TETRACHLOROETHYLENE	D039	
( ) 2,4-D	D016		( ) TOLUENE	D015	
( ) 1,4-DICHLOROBENZENE	D027		( ) TRICHLOROETHYLENE	D040	
( ) 1,2-DICHLOROETHANE	D028		( ) 2,4,5-TRICHLOROPHENOL	D041	
( ) 1,1-DICHLOROETHYLENE	D029		( ) 2,4,6-TRICHLOROPHENOL	D042	
( ) 2,4-DINITROTOLUENE	D030		( ) 2,45-TP (SILVEX)	D017	
( ) ENDRIN	D012		( ) VINYL CHLORIDE	D043	✓
( ) HEPTACHLOR (AND ITS HYDROXIDE)	D031				
( ) HEXACHLOROBENZENE	D032	✓			

**PART III**

FOR DRMO USE ONLY  
 DRMO VERIFICATION

1. DATE VERIFIED \_\_\_\_\_

2. RESULTS ( ) ATTACHED

pH \_\_\_\_\_ FLASH POINT \_\_\_\_\_ SPECIFIC GRAVITY \_\_\_\_\_ HALIDES (TOX) \_\_\_\_\_

REACTIVITY: WATER REACTIVITY \_\_\_\_\_ CYANIDES \_\_\_\_\_ SULFIDES \_\_\_\_\_

TCLP \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

510 T

226-1



CHAIN OF CUSTODY RECORD

Laboratory of the State of CA, 16150 BERTHON ROAD  
45th Pkwy East  
Meridian, CA 95022  
(415) 388-4888

PROJECT NAME			PHASE
DC-8142/1			PHASE 1
PROJECT LOCATION			
Camp Parks Reserve Center - Dublin, CA			
SQA NO.	DATE	TIME	SAMPLE IDENTIFICATION
DC-142	8/18	9:00	CONTAMINATED WATER

24 hour  
5 DAY  
TURNAROUND

1 PERFORM CHARACTERISTICS  
DUST, DUST, DUST.

2 PERFORM TOTAL ORGANIC HALOGENS  
VOC

3 PERFORM TCLP  
+ SEMI-VOLATILE COMPOUNDS  
+ DUSTS  
+ PERFORM VOC

81

SAMPLED BY AND TITLE (PRINTED) Dion M. Marik CONTRACT MANAGER	DATE/TIME 8/18 9:00	RELEASED TO (PRINTED) R. J. ...	DATE/TIME 8/18 11:52 AM	RECEIVED BY (SIGNATURE) R. Johnson
RECEIVED BY (PRINTED)	DATE/TIME	RECEIVED BY (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)
SAMPLED BY (PRINTED)		SAMPLED BY (PRINTED)		RECEIVED BY (SIGNATURE)
DATE/TIME		DATE/TIME		RECEIVED BY (SIGNATURE)

SAMPLE TYPE OR  
 LW  
 RW  
 FEDERAL SYSTEM

# DELTA

ENVIRONMENTAL LABORATORIES

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL

Client:  
 Laid Law Environmental  
 2381 Main Square Dr # 175  
 Alameda,  
 CA, 94501

Client Project ID:  
 D.O. #142/1  
 QC batch#3184

Ref. R3184100  
 VOC  
 Method: 8200  
 Sampled: 8/18/97  
 Received: 8/28/97  
 Matrix: Water  
 Analyzed: 8/29/97  
 Reported: 8/29/97

Attention: David Netishen  
 24 Hour

Purgeable Hydrocarbons  
 EPA 8260  
 VOC

Analyte	Detection Limit ug/L	Results	
		Sample ID	D.O. # 142/1
Benzene	5		ND
Bromobenzene	5		ND
Bromochloromethane	5		ND
Bromodichloromethane	10		ND
Bromoform	5		ND
Bromomethane	10		ND
n-Butylbenzene	6		ND
sec-Butylbenzene	5		ND
tert-Butylbenzene	5		ND
Carbon Tetrachloride	5		ND
Chlorobenzene	5		ND
Chloroethane	10		ND
Chloroform	5		ND
Chloromethane	10		ND
2-Chlorotoluene	5		ND
4-Chlorotoluene	5		ND
Dibromochloromethane	5		ND
1,2-Dibromo-3-chloropropane	20		ND
1,2-Dibromoethane	5		ND
Dibromomethane	5		ND
1,2-Dichlorobenzene	5		ND
1,3-Dichlorobenzene	5		ND
1,4-Dichlorobenzene	5		ND
dichlorodifluoromethane	10		ND
1,1-Dichloroethane	5		ND
1,2-Dichloroethane	5		ND
1,1-Dichloroethane	5		ND
cis-1,2-Dichloroethane	5		ND
trans-1,2-Dichloroethane	5		ND
1,2-Dichloropropane	5		ND
1,3-Dichloropropane	5		ND

13

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL



ENVIRONMENTAL LABORATORIES

Laidlaw Environmental  
2381 Marina Square Dr #175  
Alameda, CA 94501

Client Project ID:  
Camp Park Reserve Center  
Dublin, CA  
D.O.# 142/1

Batch# 3174

Ref: R3184Rci  
Sampled: 8/18/97  
Received: 8/12/97  
Matrix: Waste Water  
Analyzed: 8/28, 9/2/97  
Reported: 9/2/97  
Units: mg/L

Attention: David Nelshen

48 Hours

Analytical Results for RC1 Tests

Test	Criteria	Detection Limit mg/L	Results	
			Sample ID	Date of Analysis
Corrosivity:	Title 22, 66705	NA	D.O. 142	8/28/97
	EPA 8045		pH = 6.88	
Reactivity: Cyanide	Title 22, 66705	1.0	ND	9/2/97
	EPA 9010			
Sulfide	EPA 8030	10	ND	9/2/97
	Title 22, 66702			
Ignitability:	EPA 1610	1°F	> 212°F	9/2/97

ND: Not detected

Delta Environmental Laboratories

H. Khosh Khoo, PhD., *H. Khosh Khoo*  
Laboratory Director/President

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL



ENVIRONMENTAL LABORATORIES

Client:  
Laidlaw Environmental  
2381 Marina Square Dr #175  
Alameda, CA 94501

Client Project ID:  
Camp Park Reserve Center  
Dublin, CA  
D.O.# 142/1  
Batch# 3174

Ref. R3184320  
TCLP/1311  
Method: 6010/7000  
Sampled: 8/18/97  
Received: 8/28/97  
Matrix: Waste Water  
Analyzed: 9/1/97  
Reported: 9/2/97  
Unit: mg/L

Attention: David Metishen

48 Hour

Analytical Results for TCLP Tests  
1311

Sample ID	TCLP Max. Limit mg/L	Detection Limit mg/L	Results
			Sample ID D.O. 142
Silver	5.0	0.01	ND
Arsenic	5.0	0.05	79
Barium	100	0.05	0.26
Cadmium	1.0	0.01	ND
Chromium	5.0	0.01	ND
Lead	5.0	0.05	0.078
Mercury	0.2	0.002	0.002
Selenium	1.0	0.05	0.58

ND: Not Detected

H. Khosh Khoo, Ph.D.,  
Laboratory Director/President

ICP

4 micron filter  
glass fiber filter

Soap y sample  
1 liter glass bottle

TCLP



WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL

ENVIRONMENTAL LABORATORIES

Client:  
Laid Law Environmental  
2381 Maina Square Dr # 175  
Alameda,  
CA. 94501

Client Project ID  
D.O. #142/1  
QC batch#3154

Ref. R3184100  
VOC  
Method: 8280  
Sampled: 8/18/97  
Received: 8/28/97  
Matrix: Water  
Analyzed: 8/29/97  
Reported: 8/29/97

Attention: David Netishen  
24 Hour

Purgeable Hydrocarbons  
EPA 8260  
VOC

Analyte	Detection Limit (µg/L)	Results
		Sample ID
2-Hexanone	50	ND
4-Methyl-2-pentanone	50	ND
Vinyl Acetate	60	ND
2-Chloroethyl Vinyl Ether	10	ND

ND: Not Detected

DELTA Environmental Laboratories  
California Certification #1857

  
H. Khosh Khoo, PhD.,  
Laboratory Director/President

313

685 Stone Road #11 & 12 • Benicia, CA 94510 • Tel: (707) 747-6081 • (510) 676-1938 • Fax: (707) 747 6082





WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL

ENVIRONMENTAL LABORATORIES

Client:  
 Lind Law Environmental  
 2381 Maina Square Dr # 175  
 Alameda,  
 CA, 94501

Client Project ID:  
 D.O. #142/1  
 QC batch#3184

Ref. R3184100  
 VOC  
 Method: 8280  
 Sampled: 8/18/97  
 Received: 8/28/97  
 Matrix: Water  
 Analyzed: 8/29/97  
 Reported: 8/29/97

Attention: David Nelissen  
 24 Hour

Purgeable Hydrocarbons  
 EPA 8260

Analyte	Detection Limit (ug/l)	Results	
		Sample ID	
2,2-Dichloropropane	5	ND	
1,1-Dichloropropane	5	ND	
Ethylbenzene	5	ND	
Hexachlorobutadiene	6	ND	
Isopropylbenzene	5	ND	
p-Isopropyltoluene	5	ND	
Methylene Chloride	20	ND	
Naphthalene	5	ND	
n-Propylbenzene	5	ND	
Styrene	5	ND	
1,1,1,2-Tetrachloroethane	5	ND	
1,1,2,2-Tetrachloroethane	5	ND	
Tetrachloroethene	5	ND	
Toluene	5	ND	
1,2,3-Trichlorobenzene	5	ND	
1,2,4-Trichlorobenzene	5	ND	
1,1,1-Trichloroethane	5	ND	
1,1,2-Trichloroethane	5	ND	
Trichloroethene	5	ND	
Trichlorofluoromethane	5	ND	
1,2,3-Trichloropropane	5	ND	
1,2,4-Trimethylbenzene	5	ND	
1,3,5-Trimethylbenzene	5	ND	
Vinyl Chloride	10	ND	
Xylenes, Total	10	ND	

Bromochloromethane	5			
Bromodichloromethane	10			
Bromoform	5			
Bromomethane	10			
n-Butylbenzene	6			
sec-Butylbenzene	5			
tert-Butylbenzene	5			
Carbon Tetrachloride	5			
Chlorobenzene	5			
Chloroethane	10			
Chloroform	5			
Chloromethane	10			
2-Chlorotoluene	6			
4-Chlorotoluene	5			
Dibromochloromethane	5			
1,2-Dibromo-3-chloropropane	20			
1,2-Dibromoethane	5			
Dibromomethane	5			
1,2-Dichlorobenzene	5			
1,3-Dichlorobenzene	5			
1,4-Dichlorobenzene	5			
dichlorodifluoromethane	10			
1,1-Dichloroethane	5			
1,2-Dichloroethane	5			