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I. INTRODUCTION

On 17 Sep 90, HQ ATC/DEV requested that the Air Force Occupational and Environmental Health Laboratory Hazardous Waste Function (AFOEHL/EQH) perform an Environmental Sampling Survey at a site located north of San Antonio on FM 1518 between FM 78 and I-35. The scope of the survey was to sample, analyze, and determine the appropriate disposition of approximately 60 drums containing unknown materials.

The survey was conducted by Capt Patrick McMullen, 1Lt Nancy Hedgecock, and Amn Christopher Feagin on 21 Sep 90. Several drums were resampled on 18 Dec 90.

II. DISCUSSION

A. Background

On 10 Sep 90, the Texas Water Commission (TWC) notified 12 CES/DEV (Mr John Stevens, GS-13) that approximately 60 drums of unidentified waste material in drums with Randolph Air Force Base markings were located in a field on private property. This property is owned by Mr Bergent, who currently lives immediately across the highway from the field at 3112 FM 1518. After inspecting the drums, 13 CES/DEV determined the drums probably did originate at Randolph AFB. According to the landowner, he was given the drums by a friend from Randolph AFB Supply in the early 1970s. Some of the drums were used to make barbecue pits and animal feeders. The remainder of the drums were left in the field.

A presurvey was conducted on 20 Sep 90 by Capt Pat McMullen and Amn Chris Feagin in order to prepare the site for sampling.

B. Sampling Strategy

Sampling strategies were implemented in order to adequately and properly identify the contents of each drum of unknown material or waste. Each drum was either sampled individually or, when feasible, composited with another drum. Each drum was numbered; the drum color, waste label, and new material label (when available) were noted during the survey.

C. Analytical Strategy

The analyses prescribed for this project are designed to determine if the drums contain unused material, recycleable material, or waste product. All of the analyses were performed using SW-846 methods. The analyses will also determine if the waste products are hazardous or nonhazardous. The analytical methods used are presented in the table. The appropriate analysis for each drum was determined based upon visual inspection of the material through a disposable composite liquid waste sampler (COLIWASA). Gas Chromatograph/Mass Spectrometer (GC/MS) chemical identification (major

Note: This report was accomplished by the Air Force Occupational and Environmental Health Laboratory (AFOEHL), which is now the Armstrong Laboratory, Occupational and Environmental Health Directorate. components) and hazardous waste characteristics analyses were performed on materials which appeared to be unused (i.e., drums that had never been opened and were not labeled, or drums which appeared to have been discarded due to physical damage). Energy recovery analyses were performed on materials which appeared to be uncontaminated waste oil. Toxicity Characteristic Leachate Procedure (TCLP) (SW 846 Method 1311) analyses were performed on all unknown wastes, unsegregated wastes (i.e., waste oil and antifreeze), and paint and thinner wastes. A volatile organics screen (SW-846 Method 8240) was performed on some solvents that appeared to be uncontaminated.

Table. SW-846 Method 8240 - Purgeable Halocarbons

CONSTITUENT

Acetone Acrolein Acrylonitrile Benzene **Bromodichloromethane** Bromoform Bromomethane 2-Butanone (MEK) Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane 2-Chloroethyl vinyl ether Chloroform Chloromethane Dibromomethane 1,4-Dichloro-2-butane Dichlorodifluoromethane 1,1-Dichloroethane 1.2-Dichloroethane 1,1-Dichloroethene trans-1,2-Dichloroethene 1,2-Dichloropropane cis-1,3-Dichloropropene trans-1,2-Dichloropropene Ethano1 Ethylbenzene Ethyl methacrylate 2-Hexanone Iodomethane Methylene chloride 2-Methy1-2-pentanone (MIBK) Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene (Perchloroethylene) Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane

Trichloroethene (Trichloroethylene) Trichlorofluoromethane 1,2,3-Trichloropropane Vinyl acetate Vinyl chloride Xylenes (total, all Isomers)

"Specification Oil" analysis for Energy Recovery 40 CFR Parts 266.40 and 761.20

ANALYSIS

REGULATORY LEVEL

SW	9020	-	Total Organic	Halogens	4000 ppm*
SW	1010	-	Ignitabilty	100 degrees	F minimum
SW	70€O	-	Arsenic	5 ppm maximu	nu
S₩	7131	-	Cadmium	2 ppm maximu	ım
SW	7191	-	Chromium	10 ppm maxir	num
SW	7421	-	Lead	100 ppm max	imum
SW	8080	-	PCBs	2 ppm	

*Used oil containing more than 4000 ppm total halogens is presumed to be a hazardous waste unless it can be shown that the oil can be successfully mixed to a level below 1000 ppm total halogens.

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE

CONSTITUENT

REGULATORY LIMIT (mg/L)

Benzene	0.5
Carbon tetrachloride	0.5
Chlordane	0.03
Chlorobenzene	100.0
Chloroform	6.Û
o-cresol	200.0
p-cresol	200.0
m-cresol	200.0
1,4-Dichlorobenzene	7.5
1,2-Dichloroethane	0.5
1,1-Dichloroethylene	0.7
2,4-Dinitrotoluene	0.13
Heptachlor	0.008
Hexachlorobenzene	0.13
Hexachloro-1,3-butadiene	0.5
Hexachloroethane	3.0
Methyl ethyl ketone	200.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0
Tetrachloroethvlene	0.7
2,4,5-Trichlorophenol	400.0

2,4,6-Trichlorophenol	2.0
Vinyl Chloride	0.2
Arsenic	5.0
Barium	100.0
Cadmium	1.0
Chromium	5.0
Lead	5.0
Mercury	0.2
Selenium	1.0
Silver	5.0
Endrin	0.02
Lindane	0.4
Methoxychlor	10.0
Toxaphene	0.5
2,4-D	10.0
2,4,5-TP (Silvex)	1.0

III. FIELD SAMPLING PROCEDURES

A. Sampling Techniques

Each sample was taken to provide a representative sample of the waste. Stratification of the waste due to age and/or varying physical properties was taken into account. All field sampling procedures met SW-846 criteria for representative sampling. A total of 57 drums were examined and sampled when feasible. The waste analysis plan is included as Appendix A.

Drummed liquids were sampled using a COLIWASA. A COLIWASA is a 3-foot cylindrical glass tube containing a plug rod that is used to close the end of the glass tube. A COLIWASA permits representative sampling of multiphase wastes of a wide range of viscosity, corrosivity, volatility, and solids content. A separate COLIWASA was used to collect the sample from each drum.

Sludge samples were obtained by scooping the sample container into the sludge when possible. Paint sludge samples were obtained by tearing the dried paint into pieces and putting the pieces into the sample container.

B. Quality Assurance/Quality Control Procedures

All samples were collected in Eagle Picher Level II Certified bottles. The bottles are cleaned by the vendor according to EPA Protocols in order to eliminate the container as a source of sample contamination. Each sample bottle was labeled with a unique sample number to avoid misidentification. A profile sheet (Appendix B) was also completed for each drum of waste as an additional means of avoiding misidentification.

All samples were taken to AFOEHL/SA where they were logged into the computer system and prepared for shipping to Clayton Environmencal Consultants, Inc. for analysis.

IV. ANALYTICAL RESULTS

All analytical results are included in Appendix C. The results are organized numerically by drum number. The section also includes disposal options.

References

- 1. United States Environmental Protection Agency, "Identification and Listing of Hazardous Waste," 40 CFR Parts 260-266.
- 2. United States Environmental Protection Agency, "Polychlorinated Biphenyls," 40 CFR Part 761.
- 3. United States Environmental Protection Agency, "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846.

APPENDIX A

Cibolo Waste Analysis Plan

CIBOLO WASTE ANALYSIS PLAN

DRUM #	SAMPLE #	PHASES	WASTE COLOR	SUSPECT	ANALYSIS	COMPOSITE
1	GT901750	NO	CLEAR YELLOW	ALODINE	TCLP	NO
2	GT901764	SLUDGE	CLEAR/RUST	METALS/WATER	TCLP METALS	DRUM 47
3	GT901752	EMPTY				
4	GT901753	SLUDGE	BLACK	DRIED PAINT	TCLP METALS	NO
5	GT901771	SLUDGE & LIQ	BLACK/CLEAR	DRIED PAINT	MAJ COMP TCLP METALS	NO
6	GT901780	YES	CLEAR/BROWN	WATER/DIRT	MAJ COMP TCLF METALS	NO
7	GT901756	EMPTY				
8	GT901757	EMPTY				
9	GT901777	YES	CLEAR/RUST	WATER/DIRT	TCLP METALS	DRUM 19
10	GT901759	EMPTY				
11	GT901760	YES	MIXED	PAINT&THINNER	MAJ COMP	NO
12	GT901761	YES	CLEAR/RUST	WATER/SOLVENT	МАЈ СОМР ТСЦР	NO
13	GT901762	EMPTY				
14	GT901763	NO	BLACK	OIL	ENG REC	NO
15	GT901764	EMPTY				
16	GT901765	NO	CLEAR	TOLUENE	8240	NO
17	GT901766	SLUDGE		PAINT	TCLP METALS	DRUM 22
18	G T901787	YES	CLEAR/RUST	WATER/SLUDGE	MAJ COMP TCLP METALS	o
19	W/DRUM 9	SLUDGE	BLACK		TCLP METALS	1 M 9
20	GT901769	EMPTY				
21	GT901784	YES	BLACK/CLEAR		MAJ COMP TCLP METALS	NO
22	COMP W/17	SLUDGE		PAINT		DRUM 17
23	GT901772	12"SLUDGE			MAJ COMP TCLP METALS	NO
24	GT901773	EMPTY				
25	GT901788	YES	CLEAR/BLACK	THINNER/PAINT	MAJ COMP TCLP METALS	DRUM 55
26	GT901775	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	NO
27	GT901776	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	NO
28	NO DRUM 28					
29	GT901789	YES	RUST/CLEAR	RUSTY WATER	MAJ COMP TCLP METALS	NO
30	GT901779	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	NO

31	GT901780	EMPTY				
32	GT901781	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	DRUMS 35, 38 39, 40
33	GT901782	NO 6"MATL	BLACK	OIL	ENG REC	DRUM 41
34	GT901783	NO	BLACK	TAR	NONE	
35	W/DRUM 32					
36	GT901785	YES	RED/CLEAR	H.F. AND WATEF	ENG REC	NO
37	GT901786	NO 1"MATL			TCLP METALS	5 NO
38	W/DRUM 32	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	DRUM 32
39	W/DRUM 32	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	DRUM 32
40	W/DRUM 32	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	DRUM 32
41	W/DRUM 33	NO	BLACK	OIL	ENG REC	DRUM 33
4 2	GT901791	NO SOLID	BLACK	TAR	NONE	NO
43	GT901792	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	NO
44	GT901790	NO	BLACK/CLEAR	DIRT/WATER	МАЈ СОМР	NO
45	NO DRUM				TCLP	
4.6	GT901795	NO	BLACK	TAR	NONE	NO
47	W/DRUM 2	NO	SOLID	PAINT SLUDGE	NONE	NO
48	NO DRUM					
49	GT901798	YES	BLACK/CLEAR	OIL AND WATER	ENG REC	ю
50	GT901791	NO	RUST	RUSTY WATER	MAJ COMP	NO
51	GT901800	EMPTY			TCLP METALS	
52	GT901794	NO	RUST	RUSTY WATER	MAJ COMP TCLP METALS	NO
53	GT901802	ИО		SOLVENT	8240	NO
54	GT901803	EMPTY				
55	W/DRUM 25	YES	CLEAR/BLACK	THINNER/PAINT		DRUM 25
56	GT901795	NO	RUST	THINNER/PAINT	MAJ COMP TCLP METALS	NO
57	GT901806	Ю	BLACK	TAR	NONE	NO
58	GT901807	NO	RUST	RUST & SOLVENT	MAJ COMP	NO
59	GT901808	EMPTY				
60	GT901809	EMPTY				

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APPENDIX B

Waste Profile Sheet

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DRUM NUMBER	SAMPLE NUMBER
COLLECTION DATE	TIME
SAMPLER	
ORIGINAL LABEL	WASTE LABEL
DRUM COLOR	WASTE COLOR
PHASES: YES/ NO	
CONTENTS: WASTE OR NEW PRODUCT	
WASTE SUSPECTED TO BE	
SAMPLE TAKEN: YES / NO	
COMPOSITED WITH: DRUM #	
OVERPACK OR NEW DRUM NECESSARY: YES	/ NO
REQUESTED ANALYSIS:	
COMMENTS:	
	······································
	······
DRUM NUMBER	SAMPLE NUMBER
COLLECTION DATE	TIME
SAMPLER	
ORIGINAL LABEL	WASTE LABEL
DRUM COLOR	WASTE COLOR
PHASES: YES/ NO	
CONTENTS: WASTE OR NEW PRODUCT	
WASTE SUSPECTED TO BE	
SAMPLE TAKEN: YES / NO	
COMPOSITED WITH: DRUM #	
OVERPACK OR NEW DRUM NECESSARY: YES	/ NO
REQUESTED ANALYSIS:	
COMMENTS:	

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APPENDIX C

Analytical Results

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DRUM	1
DIVOID	-

SW	846	METHOD	1311	-	TOXICITY	CHARACTERISTIC	LEACHATE	PROCEDURE
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CONSTITUENT

RESULTS (mg/L) EXCEEDS LIMIT

Benzene	<0.08		
Carbon tetrachloride	<0.08		
Chlordane	<0.01		
Chlorobenzene	<0.08		
Chloroform	<0.08		
o-cresol	NP		
p-cresol	NP		
m-cresol	NP		
1,4-Dichlorobenzene	<0.2		
1,2-Dichloroethane	<0.08		
1,1-Dichloroethylene	<0.08		
2,4-Dinitrotoluene	<0.05		
Heptachlor	<0.001		
Hexachlorobenzene	<0.05		
Hexachloro-1,3-butadiene	<0.05		
Hexachloroethane	<0.05		
Methyl ethyl ketone	120		
Nitrobenzene	<0.05		
Pentachlorophenol	<5.0		
Pyridine	<0.05		
Tetrachloroethylene	<0.08		
2,4,5-Trichlorophenol	<0.5		
2,4,6-Trichlorophenol	<0.5		
Vinyl Chloride	<0.2		
Arsenic	0.1		
Barium	0.5		
Cadmium	0.11		
Chromium	120	D007	
Lead	260	D008	
Mercury	<0.01		
Selenium	0.07		
Silver	<0.2		
Endrin	<0.01		
Lindane	<0.001		
Methoxychlor	<0.01		
Toxaphene	<0.02		
2,4-D	<0.1		
2,4,5-TP (Silvex)	<0.02		

Recommended Disposal: Dispose as D007 and D008 haz waste.

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONST I TUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	4.53	
Cadmium	0.72	
Chromium	15.5	D007
Lead	40.7	D008
Mercury	<0.01	
Selenium	<0.01	
Silver	<0.1	
Recommended Disposal:	Dispose as D007 and D00)8 haz waste.

DRUM 3

EMPTY

Recommended Disposal: Municipal Waste

DRUM 4

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	4.83	
Cadmium	0.25	
Chromium	14.8	D007
Lead	<0.1	
Mercury	0.11	
Sclenium	<0.1	
Silver	<0.1	
Recommended Disposal:	Dispose as D007 haz wa	ste.

ANALYSIS	RESULTS	EXCEEDS LIMIT
Major Components	70% water 30% solids	
Hydrogen Ion (pH)	7.0	
Ignitability	>140 degrees F	
SW 846 METHOD 1311 - TO (METALS ONLY)	DXICITY CHARACTERISTI	C LEACHATE PROCEDURE
CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	0.11	
Barium	0.38	
Cadmium	1.24	D006
Chromium	53.8	D007
Lead	<0.1	
Mercury	0.11	
Selenium	<0.01	
Silver	<0.1	
Recommended Disposal: Dispo	ose as D006 and D007	haz waste.
DRUM 6		
ANALYSIS	RESULTS	EXCEEDS LIMIT
Major Components	99% water 1% solids	
SW 846 METHOD 1311 - T((METALS ONLY)	DXICITY CHARACTERISTI	C LEACHATE PROCEDURE
CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	<0.1	
Cadmium	<0.1	
Chromium	39.9	D007
Lead	<0.1	
Mercury	0.01	
Selenium	<0.01	
Silver	<0.1	
Recommended Disposal: Dispo	ose as D007 haz waste	

EMPTY

Recommended Disposal: Municipal Waste

DRUM 8

EMPTY

Recommended Disposal: Municipal Waste

DRUM 9

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

RESULTS (mg/L)	EXCEEDS LIMIT
<0.1	
0.123	
<0.1	
<0.1	
<0.3	
<0.01	
<0.01	
<0.1	
Dispose as municipal wa	ste.
	RESULTS (mg/L) <0.1 0.123 <0.1 <0.1 <0.3 <0.01 <0.01 <0.1 Dispose as municipal wa

Recommended Disposal: Municipal Waste

ANALYSIS

RESULTS

Major Components: Waste is 100% organic.

Methyl Ethyl Ketone	26%	F005
Butoxy Ethanol	22%	
Acetone	19%	F003
Methyl Pentanone	17%	F003
Methyl Propanol	11%	
Methylene Chloride	48	F002

Recommended Disposal: Waste solvent containing the above constituents. Due to the uncertainty of the original material's composition or its subsequent use, the above waste codes may or may not be completely accurate.

ANALYSIS	RESULTS	EXCEEDS LIMIT	
Major Components:	Waste is 100% organic.		
Phenol	64%	U188	
Butoxy Ethanol	25%		
Methyl Propanol	38		
Possible Alcohol	3%		
Methyl Pentanone	2%	F003	
Butanol	18	F003	
Ethoxy Ethanol	1%	U359	
Cycloĥexanone	18		
Cresol (total)	<10 mg/L		

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE

CONSTITUENT	RESULTS	EXCEEDS LIMIT	
Benzene	<0.03		
Carbon tetrachloride	<0.03		
Chlordane	<0.01		
Chlorobenzene	<0.03		
Chloroform	<0.03		
1,4-Dichlorobenzene	<2.0		
1,2-Dichloroethane	<0.03		
1,1-Dichloroethylene	<0.03		
2,4-Dinitrotoluene	<1.0		
Heptachlor	<0.001		
Hexachlorobenzene	<1.0		
Hexachloro-1,3-butadiene	<2.0		
Hexachloroethane	<3.0		
Methyl ethyl ketone	160		
Nitrobenzene	<2.0		
Pentachlorophenol	<5.0		
Pyridine	<2.0		
Tetrachloroethylene	<0.03		
2,4,5-Trichlorophenol	<10.0		
2,4,6-Trichlorophenol	<9.0		
Vinyl Chloride	<0.05		
Arsenic	1.6		
Barium	1.6		
Cadmium	2.7	D006	
Chromium	18	D007	
Lead	3.0		
Mercury	<0.02		
Selenium	1.9	D010	
Silver	<0.05		
Endrin	<0.01		
Lindane	<0.001		
Methoxychlor	<0.01		
Toxaphene	<0.02		
2,4-D	<0.2		
2,4,5-TP (Silvex)	<0.04		

Recommended Disposal: Dispose of as the above wastes. Due to the uncertainty of the original material's composition or its subsequent use, the above waste codes may or may not be completely accurate.

EMPTY

Recommended Disposal: Municipal Waste

DRUM 14

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS		RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic Halog SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-045 - PCB	gens 3	300 ppm >140 degrees <1.0 ppm 0.2 ppm <1.0 ppm 130 ppm	F Yes
PCB Screen (total) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 < - indicates none detected a	none Detected <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	
Recommended Disposal: Blend	and recycle or	dispose as haz was	te
DRUM 15 EMPTY			
Recommended Disposal: Munici	ipal Waste		

CONSTITUENT	RESULTS	EXCEEDS LIMIT
Ethyl Benzene	5 mg/L	F003
Methyl Ethyl Ketone	280 mg/L	F005 & TCLP
Methylene chloride	63 mg/L	F001
4-Methyl-2-pentanone (MIBK)	210 mg/L	F003
Toluene	180 mg/L	F005
Xylenes (total, all Isomers)	23 mg/L	F003

SW-846 Method 8240 - Purgeable Halocarbons

All other EPA Method 8240 analytes are none detected.

Recommended Disposal: Waste solvent containing the above constituents. Due to the uncertainty of the original material's composition or its subsequent use, the above waste codes may or may not be completely accurate.

DRUM 17

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	3.3	
Cadmium	0.08	
Chromium	0.8	
Lead	2.8	
Mercury	<0.01	
Selenium	<0.1	
Silver	<0.1	
Recommended Disposa	l: Dispose as municipal waste.	

DROW IC	5
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ANALYSIS	RESULTS	EXCEEDS LIMIT
Major Components	50% water	
Hydrogen Ion (pH)	50% paint sollds 7.0	
SW 846 METHOD 1311 - T (METALS ONLY)	OXICITY CHARACTERISTIC	LEACHATE PROCEDURE
CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	<0.1	
Cadmium	<0.1	
Chromium	16.6	D007
Lead	<0.1	
Mercury	<0.01	
Selenium	<0.01	
Silver	<0.1	
Recommended Disposal: Disp	ose of as D007 haz was	te.
DRUM 19		
Analysis: Composited with	Drum 9.	
Recommended Disposal: Disp	ose as municipal waste	•
DRUM 20	· · · · · · · · · · · · · · · · · · ·	
EMPTY		
Recommended Disposal: Muni	cipal Waste	

ANALYSIS	RESULTS	EXCEEDS LIMIT
Major Components	95% water 5% solids	
Hydrogen Ion (pH)	6.5	

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	<0.1	
Cadmium	<0.1	
Chromium	<0.1	
Lead	<0.1	
Mercury	<0.01	
Selenium	<0.01	
Silver	<0.1	

Recommended Disposal: Discharge water to the sanitary sewer and dispose of the drum as municipal waste.

DRUM 22

Analysis: Composited with Drum 17

Recommended Disposal: Municipal Waste

ANALYSIS	RESULTS	EXCEEDS LIMIT	
Major Components: Waste	is 100% organic	•	
Toluene	34%	F005	
C9-C15 Aliphatic			
Hydrocarbons	31%		
Xylene	17%	F003	
C9-C11 Alkylbenzenes	5%		
Bis (2-ethylhexyl) Phthal	late 3%		
Ethylbenzene	3%		
Phenol	2%		
Unknown	2%		
MIBK	1%	F003	
Alkykl Cyclohexanes	18		
C16-C17 Carboxylic Acids	1%		
SW 846 METHOD 1311 - (METALS ONLY)	- TOXICITY CHARA RESULTS (CTERISTIC LEACHATE PROCEDU	IRE
	·		
Arsenic	<0.1		
Barium	0.4		
Cadmium	<0.05		
Chromium	<0.1		
Lead	1.7		
Mercury	<0.01		
Selenium	<0.1		
Silver	<0.1		
Recommended Disposal: Di constituents. Due to the composition or its subsec completely accurate.	ispose as Haz Wa e uncertainty of Juent use, the a	ste containing the above the original material's bove waste codes may or ma	y not be

DRUM 24

EMPTY

Recommended Disposal: Municipal Waste

DRUM 25					
ANALYSIS	RESULTS		EXCEEDS LIMI		
Major Components	60% toluer 40% paint	ne and MEK solids	F005		
SW 846 METHOD 131 (Metals Only)	1 - TOXICITY CHAN	RACTERISTIC LEAC	HATE PROCI	EDURE	
CONSTITUENT	RESULTS (1	ng/L)	EXCEEDS	LIMIT	
Arsenic	<0.1				
Barium	0.60				
Cadmium	<0.1				
Chromium	19.3		D007		
Lead	<0.1				
Mercury	<0.01				
Selenium	<0.01				
Silver	<0.1				
Recommended Disposal:	Dispose of as F(005 and D007 haz	waste.		
Recommended Disposal: DRUM 26 "Specif	Dispose of as FO ication Oil" anal 40 CFR Par	ysis for Energy	waste. Recovery		
Recommended Disposal: DRUM 26 "Specif	Dispose of as FO ication Oil" anal 40 CFR Par	ysis for Energy t 266.40 RESULTS	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi	Dispose of as FO ication Oil" anal 40 CFR Par	ysis for Energy t 266.40 RESULTS <200 ppm	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens	ysis for Energy tt 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm	waste. Recovery EXCEEDS	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total)	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total) Aroclor 1016	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected <1.0	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total) Aroclor 1016 Aroclor 1221	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected <1.0 <1.0	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total) Aroclor 1016 Aroclor 1221 Aroclor 1232	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected <1.0 <1.0 <1.0	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total) Aroclor 1016 Aroclor 1221 Aroclor 1242	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected <1.0 <1.0 <1.0 <1.0	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total) Aroclor 1016 Aroclor 1221 Aroclor 1242 Aroclor 1248	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm 310 ppm	waste. Recovery EXCEEDS Yes	LIMIT	
Recommended Disposal: DRUM 26 "Specif ANALYSIS SW 9020 - Total Organi SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7191 - Chromium SW 7421 - Lead EPA Method 600/4-81-04 PCB Screen (total) Aroclor 1016 Aroclor 1221 Aroclor 1242 Aroclor 1248 Aroclor 1254	Dispose of as FO ication Oil" anal 40 CFR Par c Halogens 5 none Detected <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0	ysis for Energy t 266.40 RESULTS <200 ppm 127 degrees F <1.0 ppm 0.02 ppm <1.0 ppm 310 ppm 310 ppm g/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	waste. Recovery EXCEEDS Yes	LIMIT	

< - indicates none detected and the detection limits

Recommended Disposal: Blend and recycle or dispose as haz waste

27

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS		RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic H	lalogens	<200 ppm	
SW 1010 - Ignitability	_	>140 degrees F	
SW 7060 - Arsenic		<1.0 ppm	
SW 7131 - Cadmium		1.1 ppm	
SW 7191 - Chromium		<1.0 ppm	
SW 7421 - Lead		120 ppm	Yes
EPA Method 600/4-81-045 -	- PCB		
PCB Screen (total)	None Detected	mg/kg	
Aroclor 1016	<1.0	mg/kg	
Aroclor 1221	<1.0	mg/kg	
Aroclor 1232	<1.0	mg/kg	
Aroclor 1242	<1.0	mg/kg	
Aroclor 1248	<1.0	mg/kg	
Aroclor 1254	<1.0	mg/kg	
Aroclor 1260	<1.0	mg/kg	
< - indicates None dete	ected and the de	tection limits	

Recommended Disposal: Blend and recycle or dispose as haz waste.

DRUM 28

There is no Drum 28

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RESULTS	EXCEEDS LIMIT
96% water 4% solids	
7.0	
	RESULTS 96% water 4% solids 7.0

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	<0.1	
Cadmium	<0.1	
Chromium	<0.1	
Lead	<0.1	
Mercury	<0.01	
Selenium	<0.01	
Silver	<0.1	

Recommended Disposal: Discharge the water to the sanitary sewer and dispose the drum as municipal waste.

DRUM 30

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

AN/	LYSIS		RESULTS	EXCEEDS LIMIT
SW	9020 -	- Total Organic Halogens	<200 ppm	
SW	1010 -	- Ignitability	>140 degrees H	P
SW	7060 -	- Arsenic	<1.C ppm	
SW	7131 -	- Cadmium	1.4 ppm	
SW	7191 -	- Chromium	6.8 ppm	
SW	7421 -	- Lead	1300 ppm	Yes

EPA Method 600/4-81-045 - PCB

PCB Screen (total)	None Detected	mg/kg
Aroclor 1016	<1.0	mg/kg
Aroclor 1221	<1.0	mg/kg
Aroclor 1232	<1.0	mg/kg
Aroclor 1242	<1.0	mg/kg
Aroclor 1248	<1.0	mg/kg
Aroclor 1254	<1.0	mg/kg
Aroclor 1260	<1.0	mg/kg
< - indicates none det	ected and the dete	ction limits

Recommended Disposal: Blend and recycle or dispose as haz waste.

EMPTY

Recommended Disposal: Municipal Waste

DRUM 32

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS	RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic Halogens SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead	<200 ppm >140 degrees F <1.0 ppm 0.5 ppm <1.0 ppm 470 ppm	Yes
EPA Method 600/4-81-045 - PCB		
PCB Screen (total)None DetectedAroclor 1016<1.0	mg/kg mg/kg	

Recommen	nded D	i sposa	а 1: В	lend a	nd rec	ycle	or disp	ose a	s haz	waste
< - indi	icates	none	detec	ted an	d the	deteo	tion li	.mits		
Aroclor	1260				<	1.0	mg/kg			
Aroclor	1254				<	1.0	mg/kg			
Aroclor	1248				<	1.0	mg/kg			
Aroclor	1242				<	1.0	mg/kg			
Aroclor	1232				<	1.0	mg/kg			
Aroclor	1221				<	1.0	mg/kg			
Aroclor	1016				<	1.0	mg/kg			

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS		RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic Ha	logens	<200 ppm	
SW 1010 - Ignitabiĺity	•	100 degrees	F
SW 7060 - Arsenic		<1.0 ppm	
SW 7131 - Cadmium		<0.1 ppm	
SW 7191 - Chromium		<1.0 ppm	
SW 7421 - Lead		120 ppm	Yes
EPA Method 600/4-81-045 -	PCB		
PCB Screen (total)	None Detected	mg/kg	
Aroclor 1016	<1.0	mg/kg	
Aroclor 1221	<1.0	mg/kg	
Aroclor 1232	<1.0	mg/kg	
Aroclor 1242	<1.0	mg/kg	
Aroclor 1248	<1.0	mg/kg	
Aroclor 1254	<1.0	mg/kg	
Aroclor 1260	<1.0	mg/kg	
< - indicates none detecte	d and the dete	ction limits	
Recommended Disposal: Ble	nd and recycle	or dispose a	s haz waste.
DRUM 34			
Drum contains solidified t	ar.		
Recommended Disposal: Disp	ose as tar.		

DRUM 35

ANALYSIS: Composited with Drum 32

Recommended Disposal: Blend and recycle or dispose as haz waste.

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS		RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead	Halogens	<200 ppm >140 degrees F <1.0 ppm <0.1 ppm <1.0 ppm <1.0 ppm	
EPA Method 600/4-81-045	- PCB		
PCB Screen (total)	none Detected	mg/kg	
Aroclor 1016	<1.0	mg/kg	
Aroclor 1221	<1.0	mg/kg	
Aroclor 1232	<1.0	mg/kg	
Aroclor 1242	<1.0	mg/kg	
Aroclor 1248	<1.0	mg/kg	
Aroclor 1254	<1.0	mg/kg	
Aroclor 1260	<1.0	mg/kg	
DRUM 37 SW 846 METHOD 1311 (METALS ONLY)	- TOXICITY CHARA	CTERISTIC LEACH	ATE PROCEDURE
CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	< 0 . 1		
Barium	0,5		
Cadmium	370		Yes
Chromium	0.99		-
Lead	<0.1		
Mercury	<0.01		
Selenium	<0.1		
Silver	<0.1		
Recommended Disposal: D	ispose as D007 H	la z W aste.	

ANALYSIS: Composited with Drum 32

Recommended Disposal: Blend and recycle or dispose as haz waste.

DRUM 39

ANALYSIS: Composited with Drum 32

Recommended Disposal: Blend and recycle or dispose as haz waste.

DRUM 40

ANALYSIS: Composited with Drum 32 Recommended Disposal: Blend and recycle or dispose as haz waste.

DRUM 41

ANALYSIS: Composited with Drum 33

Recommended Disposal: Blend and recycle or dispose as haz waste.

DRUM 42

Drum contains solidified tar.

Recommended Disposal: Dispose as tar.

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS		RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic Halo SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Load	gens	<200 ppm >140 degrees F <1.0 ppm 0.6 ppm <1.0 ppm	Voc
Sw $/421 - Lead$ EPA Method 600/4-81-045 - PC	R	200 ppm	ies
	B		
PCB Screen (total) no	ne Detected	mg/kg	
Arocior 1016	<1.0	mg/kg	
Arocior 1221	<1.0	mg/kg	
Aroclor 1232		mg/kg	
Arocior 1242		mg/kg	
ALOCIOL 1240 Aronior 1254			
Aroclor 1260		mg/kg	
	(1.0	mg/ kg	
Recommended Disposal: Blend	and recycle	or dispose as h	naz waste
DRUM 44			
ANALYSIS	RESULTS		EXCEEDS LIMIT
Major Components	95% water 5% solids		
Hydrogen Ion (pH)	7.0		
SW 846 METHOD 1311 - TO (METALS ONLY)	XICITY CHARA	CTERISTIC LEACH	ATE PROCEDURE
CONSTITUENT	RESULTS (mg,	/L)	EXCEEDS LIMIT
Arsenic	<0.1		<u></u>
Barium	22.0		
Cadmium	<0.1		
Chromium	<0.1		
Lead	<0.1		
Mercury	<0.01		
Selenium	<0.01		
Silver	20 I		

There is no Drum 45

DRUM 46

Drum contains solidified tar.

Recommended Disposal: Dispose as tar.

DRUM 47

ANALYSIS: Composited with Drum 2

Recommended Disposal: Dispose as D007 and D008 haz waste.

DRUM 48

There is no Drum 48

DRUM 49

Aroclor 1248

Aroclor 1254

"Specification Oil" analysis for Energy Recovery 40 CFR Part 266.40

ANALYSIS		RESULTS	EXCEEDS LIMIT
SW 9020 - Total Organic SW 1010 - Ignitability SW 7060 - Arsenic SW 7131 - Cadmium SW 7191 - Chromium SW 7421 - Lead	Halogens	300 ppm >140 degrees F <1.0 ppm 0.2 ppm <1.0 ppm 120 ppm	yes
EPA Method 600/4-81-045	- PCB		
PCB Screen (total) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242	none Detected <1.0 <1.0 <1.0 <1.0 <1.0	mg/kg mg/kg mg/kg mg/kg mg/kg	

<1.0

mg/kg

<1.0 mg/kg

Aroclor 1260 <1.0 mg/kg < - indicates none detected and the detection limits

Recommended Disposal: Blend and recycle or dispose as haz waste.

L	M.	50

RESULTS	EXCEEDS LIMIT		
95% water 5% solids			
7.0			
	RESULTS 95% water 5% solids 7.0		

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT
Arsenic	<0.1	
Barium	<0.1	
Cadmium	<0.1	
Chromium	<0.1	
Lead	<0.1	
Mercury	<0.01	
Selenium	<0.01	
Silver	<0.1	
Recommended Disposal dispose the drum as	.: Discharge the water to t municipal waste.	he sanitary sewer and

DRUM 51

EMPTY

Recommended Disposal: Municipal Waste.

ANALYSIS	RESULTS	EXCEEDS LIMIT	
Major Components	97% water		
Hydrogen Ion (pH)	3% solids 7.0		

SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY)

CONSTITUENT	RESULTS (mg/L)	EXCEEDS LIMIT		
Arsenic	<0.1			
Barium	<0.1			
Chromium	<0.1			
Lead Mercurv	<0.1 0.02			
Selenium Silver	<0.01			
DITACT	\V•±			

Recommended Disposal: Discharge the water to the sanitary sewer and dispose the drum as municipal waste.

DRUM 53

SW-846 Method 8240 - Purgeable Halocarbons

CONSTITUENT	RESULTS	EXCEEDS LIMIT
Methy Ethyl Ketone	30 mg/L	F005
Methylene chloride Toluene	0.9 mg/L 1.0 mg/L	F001 F005

Recommended Disposal: Waste solvent containing the above constituents. Due to the uncertainty of the original material's composition or its subsequent use, the above waste codes may or may not be completely accurate.

DRUM 54

EMPTY

Recommended Disposal: Municipal Waste

DRUM 55 ANALYSIS: Composited with Drum 25 **Recommended Disposal:** Dispose of as F005 and D007 haz waste. DRUM 56 ANALYSIS RESULTS EXCEEDS LIMIT Major Components 91% toluene 9% paint solids SW 846 METHOD 1311 - TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (METALS ONLY) CONSTITUENT RESULTS (mg/L) EXCEEDS LIMIT Arsenic 0.11 Barium 2.61 Cadmium 1.39 D006 Chromium 35.1 D007 Lead 22.6 D008 Mercury 0.01 Selenium <0.01 Silver <0.1 Recommended Disposal: Dispose as D006, D007, and D008 haz waste.

Drum contains solified tar.

Recommended Disposal: Dispose as waste tar.

ومحمد الاستحداث المراجع المراجع المستعيد والمستحدين المتيوات المراجع

DRUM 58

ANALYSIS	RESU	JLTS	EXCEEDS LIMIT
Major Components: Waste i	s 100%	organic.	
Phenol	65%		U188
Butoxy Ethanol	248		
Ethoxy Ethanol	48		U359
Methví Propanol	28		
Methyl Isobutyl Ketone	1%		F003
Butanol	1%		F003
Ethoxy Propanol	18		
Possible Alcohol	1%		

Recommended Disposal: Dispose of as the above wastes. Due to the uncertainty of the original material's composition or its subsequent use, the above waste codes may or may not be completely accurate.

DRUM 59

EMPTY

Recommended Disposal: Municipal Waste

DRUM 60

EMPTY

Recommended Disposal: Municipal Waste

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Distribution List

HO_USAF/SGPA Bolling AFB_DC_20332-6188	1
HQ ATC/SGPB Randolph AFB TX 78150-5001	2
HQ ATC/DEEV Randolph AFB TX 78150-5001	1
Defense Technical Information Center (DTIC) Cameron Station Alexandria VA 22319	2
HQ USAF/LEEV Bolling AFB DC 20330-5000	1
USAF Clinic Randolph/SGPB Randolph AFB TX 78150-5000	2
12 CES/DEV Randolph AFB TX 78150	5