HAZARDOUS WASTE CHARACTERIZATION
SURVEY OF UNKNOWN DRUMS AT THE 21ST
TACTICAL FIGHTER WING, ELMENDORF AND
SHEMYA AIR FORCE BASES, AND GALENA AND
KING SALMON AIRPORTS, ALASKA

Mark S. Bishop, Technical Sergeant, USAF

OCCUPATIONAL AND ENVIRONMENTAL
HEALTH DIRECTORATE
Brooks Air Force Base, TX 78235-5000

December 1991

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AIR FORCE SYSTEMS COMMAND
BROOKS AIR FORCE BASE, TEXAS 78235-5000
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MARK S. BISHOP, TSgt, USAF
NCOIC, Air Quality and Hazardous Waste Function

EDWARD F. MAHER, Lt Col, USAF, BSC
Chief, Bioenvironmental Engineering Division
Hazardous Waste Characterization Survey of Unknown Drums at the 21st Tactical Fighter Wing, Elmendorf and Shemya Air Force Bases, and Galena and King Salmon Airports, Alaska

**Abstract**

At the request of the USAF Regional Hospital Elmendorf/SGPB (PACAF), the Armstrong Laboratory, Occupational and Environmental Health Directorate, conducted a hazardous waste characterization survey of unknown drums at Elmendorf AFB from 2 Aug - 13 Aug 91. The scope of the survey was to sample and characterize drums of unknown material stored at Elmendorf AFB, Shemya AFB, and Galena and King Salmon Airports. Several waste streams were sampled at Elmendorf AFB to revalidate sample results from a previous survey.
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ACKNOWLEDGMENTS

The author greatly acknowledges the assistance and hard work provided by personnel at Elmendorf AFB for information and logistical support during the survey. Major Waterhouse, Chief, Bioenvironmental Engineering, USAF Regional Hospital was extremely supportive of the mission during the survey. A special thanks is given to MSgt Freitis, NCOIC, Bioenvironmental Engineering, who made this survey possible by arranging transportation and billeting at four geographically separated sites for our entire survey team. SMSgt Godwin, MSgt Ziv and SSgt Munda, USAF Regional Hospital, Bioenvironmental Engineering, also provided invaluable assistance.

A special note of thanks is given to those who volunteered to perform this survey, many of whom were not from our division: Major Estep, AL/OEM, Captain McMullen, AL/OEBE, MSgt Wantland, AL/OEA, MSgt (Sel) Jagielski, AL/OEBE, MSgt (Sel) Jernigan, AL/OEBSA, TSgt Fields, AL/OEBE, TSgt Howell, AL/OEBSD, TSgt Brock, AL/OEM, SSgt Davis, AL/OEBE and Sgt Buendia, AL/OEBE. Without their technical support, this survey would not have been possible.
HAZARDOUS WASTE CHARACTERIZATION SURVEY OF UNKNOWN DRUMS AT THE 21ST TACTICAL FIGHTER WING, ELMENDORF AND SHEMYIA AIR FORCE BASES, AND GALENA AND KING SALMON AIRPORTS, ALASKA

INTRODUCTION

The Bioenvironmental Engineering Services (BES) from Elmendorf Air Force Base (AFB) requested assistance from Armstrong Laboratory in performing a hazardous waste characterization on drums containing unknown material stored at Elmendorf AFB, Shemya AFB, and Galena and King Salmon Airports (AP) (Appendix A). In addition, several industrial waste streams were sampled at Elmendorf AFB to revalidate sample results from a previous survey performed in February and March 1991. The drums were known to contain a variety of waste materials generated at the installations over the years from normal maintenance activities. Approximately 525 drums stored at Elmendorf AFB, Shemya AFB, and Galena and King Salmon Airports were characterized through visual identification and analysis. Characterization was necessary before transporting the waste to the central waste storage facility at Elmendorf AFB.

The bioenvironmental engineer at Elmendorf AFB formally requested this project be given the highest priority to avert issuance of notice of violations (NOV) by the U.S. Environmental Protection Agency (EPA). A project of this magnitude required an enormous demand for equipment, supplies, and logistical support, as well as manpower and technical expertise. It involved the sampling of hazardous materials at four geographically separated sites, and transportation to these sites was contingent upon weather conditions.

The survey was conducted by the following personnel:

- Maj James E. Estep AL/OEM
- Capt Patrick T. McMullen AL/OEBE
- MSgt Michael J. Waintland AL/OEA
- MSgt (Sel) Kurt D. Jagielski AL/OEBE
- MSgt (Sel) Pamela J. Jernigan AL/OEBSA
- TSgt Mark S. Bishop AL/OEBE
- TSgt Richard C. Howell, Jr. AL/OEBSB
- TSgt Mary K. Fields AL/OEBE
- TSgt Sharon R. Brock AL/OEM
- SSgt Robert P. Davis AL/OEBE
- Sgt Arturo Buendia AL/OEBE

Base Description

Elmendorf AFB encompasses 13,130 acres and borders Anchorage, Alaska, north of Ship Creek, and is adjacent to the Fort Richardson
Army Post. The base is headquarters for the 11th Tactical Control Wing. As the host unit, the 21st Tactical Fighter Wing (TFW), with its two F-15 squadrons, stands guard over 586,000 square miles of territory. The base is located along the Turnagain Arm of Cook Inlet at the base of the picturesque Chugach Mountain range.

Shemya AFB is located at the western tip of the Aleutian Islands chain in the Bering Sea, midway between Anchorage, Alaska, and Tokyo, Japan. The base covers 11.25 square miles. The 5073d Air Base Group's primary mission is to provide support to Cobra Dane and Cobra Ball reconnaissance missions. The base has 700 active duty Air Force personnel and contractors assigned.

Galena AP is the hub of civilian air traffic in northwest (NW) Alaska. The airport is state owned and shared jointly by the U.S. Air Force as a forward operating base (FOB) and the Federal Aviation Administration (FAA). Galena AP's host, 5072d Combat Support Squadron (CSS), is under the control of the 21st TFW's 43d Tactical Fighter Squadron, and its mission is to support two of the deployed F-15 Eagles on 24-hour alert and long-range radar. Located on the Yukon River, 270 miles downriver from Fairbanks and 350 miles NW of Elmendorf AFB, Galena AP is the northernmost fighter interceptor base in Alaska.

King Salmon AP is also state owned and shared jointly by the U.S. Air Force as an FOB and the FAA as a civilian airport. The host unit is the 5071st CSS. The base's mission is to support two of the deployed F-15 Eagles on 24-hour alert. King Salmon AP is located on the north bank of the Naknek River, 15 miles east of the village of Naknek and 270 miles southwest of Elmendorf AFB, Alaska.

Hazardous Waste Program

The Hazardous Waste Program is managed by the base Civil Engineers assigned at Elmendorf AFB, Shemya AFB, and Galena and King Salmon Airports. There is a Defense Reutilization and Marketing Office (DRMO) assigned at Elmendorf AFB due to its position as the central collecting point of hazardous materials for the State of Alaska.

Objectives

The main objective of this survey was to characterize the contents of 525 drums stored at Elmendorf AFB, Shemya AFB, Galena AP and King Salmon AP using guidance contained in Title 40, Code of Federal Regulations, Part 261 (40 CFR 261), "Identification and Listing of Hazardous Waste" (1). The second objective was to sample and characterize six active waste streams at Elmendorf AFB identified by the base bioenvironmental engineer.
DISCUSSION

Method

The field work consisted of two tasks: screening all drums for waste oil and sampling drums. At Elmendorf AFB the waste oil drums were marked to be processed through a recycle program by an Armstrong Laboratory contractor. For Shemya, the original objective was to sample 40 drums of unknown waste material; the sampling team discovered 600 unknown drums stored at several locations. There were 120 drums of waste material stored at the Civil Engineering hazardous waste accumulation storage area. The sampling team collected samples until supplies ran out. The remainder of the drums were stored outside, located along the flightline, and sampling would be impossible due to the strong constant Arctic winds. At Galena the drums were physically moved to an adjacent waste oil storage area for use as fuel in waste oil burners being purchased by the base. At King Salmon, all 15 drums were sampled.

During sampling, each sample was taken to be representative of the drum contents. Stratification of the waste due to age and/or varying physical properties was taken into account. All field sampling met EPA criteria (2).

Drummed liquids were extracted by using a composite liquid waste sampler (COLIWASA). A COLIWASA is a 3-foot (0.92 m) 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 a sample from each drum. A total of 210 samples were collected from waste streams and drums at the four sites.

All samples were collected in Eagle Pitcher 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 laboratory sample number to avoid misidentification. The samples were shipped by Federal Express to the Armstrong Laboratory in order to comply with the minimum holding times prior to analysis. Each sample was processed at the Analytical Services Division, for quality control. They were then prepared for shipment to three separate contract laboratories to insure a rapid turnaround on analysis.
Survey Overview

A concerted effort was made by all parties involved to accomplish this survey with maximum logistic and economic efficiency. The overall sampling and analysis plan was coordinated on the first survey day with Mr Sam Swearingen, Chief of DRMO, to avoid duplication and/or incorrect analysis requests. To reduce analytical costs, composite samples were taken on drums with similar characteristics and composition contents. The first day of the survey was devoted to organizing the equipment for efficient daily deployment, safety and sampling procedure training for all personnel, and refining a comprehensive sampling plan. In order to maximize all our available resources and to make it logistically possible to sample 525 drums containing unknown waste materials at separate sites, personnel initially divided into different teams for trips to Shemya AFB, Galena and King Salmon Airports, while one team remained at Elmendorf AFB. The next 12 days were spent on the actual sampling. At the request of the base bioenvironmental engineer, six waste streams were identified and sampled on the last day to revalidate previous characterization. An outbriefing was given by MSgt Wantland and TSgt Bishop to Major Waterhouse on the final day of the survey.

Sampling Strategy

The purpose of this survey was to characterize 525 drums containing waste material and determine if this waste was hazardous according to guidance under the Resource Conservation and Recovery Act (RCRA). The four characteristic tests for hazardous wastes are ignitability, corrosivity, reactivity, and toxicity characteristic leachate procedure (TCLP) according to 40 CFR 261. Analyses required to determine if waste oil can meet recycling specifications under Title 40, CFR 266.40 are major components, flash point, total metals for energy recovery, and total organic halogens (TOX). Sampling strategies were implemented at Elmendorf AFB in order to adequately and properly identify the contents of each drum of unknown material or waste and waste stream. In general, one sample was collected for each drum. When several drums were determined to have similar contents they were composited into a single sample to reduce analytical costs.

Analytical Results

Located in the appendixes are the key to notations, symbols, and abbreviations (Appendix B); analytical results organized according to the base (Appendices C, D, E, and F); and waste stream results (Appendix G). Data obtained during the survey and from the laboratory analysis results were used to format results into a special and easy to use form for each drum sampled. One sheet was filled out per sample. Where a sample was a composite of several drums, all composited drums are listed on the top of the form.
RECOMMENDATIONS

Polychlorinated Biphenyl (PCB) analysis should only be requested when there is evidence to suggest PCBs are likely to be present; i.e., soil collected from a PCB transformer spill site. Data from this effort and previous work at Elmendorf demonstrate that routine request for PCB analysis on waste oil and other wastes is unnecessary.

All waste accumulation points should evaluate the potential for burning used oil on-site. Field observations of the large number of waste oil drums show the great potential savings by burning used oil at Elmendorf AFB, Galena Airport, and Shemya AFB. Preliminary investigation of costs indicates purchase and installation of a waste oil burner is $8,500. A field test of a typical unit by our laboratory is scheduled at Elmendorf AFB for Dec 91.

Recommend all remote sites establish a comprehensive program for segregating waste oil from other solid wastes. Elmendorf AFB appears to have an effective program for segregating their industrial wastes. Segregating the waste oil enhances the opportunity to recycle the oil and eliminates the need to pay for analysis and disposal of the waste oil as hazardous waste.

REFERENCES


APPENDIX A

Elmendorf AFB Letter With Attachments
FROM: USAF RGN HOSP ELMENDORF/SGPB
24800 HOSPITAL DRIVE
ELMENDORF AFB AK 99506-3700

TO: HQ 11AF/SG
HQ PACAF/SGPB
AFOEHL/EQ

10 December 1990

SUBJECT: Request for Specialized Hazardous Waste Sampling

1. Provided at Attachment 1 are requests from the Elmendorf AFB, Civil Engineering Squadron requesting hazardous waste analysis for a number of unknown hazardous material containing drums.
   a. The first request addresses five concrete lined drums suspected to contain cyanide.
   b. Request number two addresses hazardous waste characterization of approximately 360 drums containing unknown materials being stored at the base hazardous waste storage facility awaiting disposal.

2. Bioenvironmental Engineering has recently assumed all base and remote site hazardous waste stream characterization tasking; however, due to the number of barrels currently in storage requiring sampling and the configuration and the associated hazard posed to sampling personnel by the five suspect cyanide containing drums, assistance from AFOEHL/EQE is requested to expedite sample collection and analysis.

3. Provided at Attachment 2 is a cost estimate projection for anticipated 1991 hazardous waste analytical requirements. Full characterization of the 360 unknown drums is considered in the cost estimate. Due to the nature of the five cemented drums, a cost estimate could not be projected.

4. Due to Elmendorf AFB's position as the primary hazardous waste receiving and holding point for Alaska, we request this project be given priority to preclude potential enforcement violations and to ensure Elmendorf can continue to receive and dispose of hazardous waste.
5. Please contact me at AUTOVON 317-552-5011 if additional information is requested in support of this project. Your assistance in this is greatly appreciated.

LINDSEY C. WATERHOUSE, Maj, USAF, BSC
Chief, Bioenvironmental Engineering

2 Atch
1. 21 CSG/DEEV Ltrs of Request
2. SGPB Cost Estimate for Hazardous Waste Monitoring

cc: 21 TFW/CV
21 CSG/DE
21 CSG/DEE
USAF RGN HOSP/SGP
21 CSG/DEEV
AFOEHL/EQE

(NY34:SPECSAM)
FROM: 21 CSG/DEEV
3240

SUBJECT: Request for Sample and Analysis of Containers of Suspected Poison at FAC 22-009

TO: 11 AF/SGPB
3700

Request you sample and analyze five containers stored at the Elmendorf hazardous waste facility, Bldg. 22-009. The containers are 85-gallon open-headed drums, filled with concrete which surrounds small cylinders containing the substance to be determined. This information was obtained by X-raying the containers. The only evidence of what substance may be inside is the word "cyanide" written on the container. Our POC is Steve Flier, 2-4157.

WILLIAM R. REITER, P. E.
Chief, Engineering & Environmental Planning Branch
FROM: USAF RON HOSP/50P8
24800 HOSPITAL DRIVE
ELMENDORF AFB AK 99506-3700

4 December 1990

SUBJECT: Hazardous Waste Sampling Costs

TO: 21 CES/DEEV

1. Per your request, the following information comprises a cost estimate for hazardous waste sampling analysis for FY 1991. Man-hour and non-disposable equipment costs are not included in the price-out.

2. Unknown materials barrels currently stored at the hazardous materials warehouse:

   355 to 360 drums
   No actual grouping, no definitive sources
   Complete analysis required 360 @ $2000 = $720K

3. Hazardous materials accumulation points:

   27 locations
   Average of 4 waste streams per location
   Estimate 2 complete analysis and 2 partial analysis per location
   2 complete @ $2000 = $4K, 2 partial at $1100 = $2.2k
   27 sites @ $4k + $2.2K = $167.4k

4. Estimate of unplanned samples:

   Typical 25 per year (tundra mushrooms)
   Complete analysis required
   25 @ $2000 = $50K

5. Sampling supplies and incidentals for 493 samples

   Sampling tubes and bottles 493 @ $10 = $9337 ($9.4k)
   Disposable equipment per 10 samples 50 @ $55 = $2750 ($2.8k)
   Shipment 493 @ $10 = $4930 ($5.0k)
   Total $9.4k + $2.8k + $5.0k = $17.2k

6. Totals

   Unknowns: $720.0k
   HazWaste $167.4k
   Unplanned $50.0k
   Supplies $17.2k
   Total $954.6k
7. If there are any questions concerning this cost estimate please contact Bioenvironmental Engineering at 552-451/4282.

LINDSEY C. WATERHOUSE, Major, USAF, BSC
Chief, Bioenvironmental Engineering
APPENDIX B

Key to Notations, Symbols, and Abbreviations
KEY TO ALPHABET NOTATIONS, ELEMENT SYMBOLS, AND ABBREVIATIONS

Denotes TCLP Volatiles, Metal Analytes, Energy Recovery Metals:

<table>
<thead>
<tr>
<th>Alphabet</th>
<th>VOC Analyte</th>
<th>Limits of Detection (mg/Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Benzene</td>
<td>8.0</td>
</tr>
<tr>
<td>b</td>
<td>Carbon Tetrachloride</td>
<td>7.5</td>
</tr>
<tr>
<td>c</td>
<td>Chlorobenzene</td>
<td>6.5</td>
</tr>
<tr>
<td>d</td>
<td>Chloroform</td>
<td>9.0</td>
</tr>
<tr>
<td>e</td>
<td>1,2-Dichloroethane</td>
<td>12.0</td>
</tr>
<tr>
<td>f</td>
<td>1,1-Dichloroethylene</td>
<td>6.0</td>
</tr>
<tr>
<td>g</td>
<td>Methyl Ethyl Ketone</td>
<td>19.0</td>
</tr>
<tr>
<td>h</td>
<td>Tetrachloroethylene</td>
<td>7.5</td>
</tr>
<tr>
<td>i</td>
<td>Trichloroethylene</td>
<td>6.5</td>
</tr>
<tr>
<td>j</td>
<td>Vinyl Chloride</td>
<td>8.5</td>
</tr>
<tr>
<td>k</td>
<td>o - Cresol</td>
<td>200.0</td>
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<tr>
<td>l</td>
<td>m - Cresol</td>
<td>200.0</td>
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<tr>
<td>m</td>
<td>p - Cresol</td>
<td>200.0</td>
</tr>
<tr>
<td>n</td>
<td>1,4 - Dichlorobenzene</td>
<td>7.5</td>
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<tr>
<td>o</td>
<td>2,4 - Dinitrotoluene</td>
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</tr>
<tr>
<td>p</td>
<td>Hexachlorobenzene</td>
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</tr>
<tr>
<td>q</td>
<td>Hexachloro-1-3-butadiene</td>
<td>0.5</td>
</tr>
<tr>
<td>r</td>
<td>Hexachloroethane</td>
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</tr>
<tr>
<td>s</td>
<td>Nitrobenzene</td>
<td>2.0</td>
</tr>
<tr>
<td>t</td>
<td>Pentachlorophenol</td>
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</tr>
<tr>
<td>u</td>
<td>Pyridine</td>
<td>5.0</td>
</tr>
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<td>2,4,5-Trichlorophenol</td>
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<table>
<thead>
<tr>
<th>Element Symbol</th>
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</tr>
</thead>
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<tr>
<td>Ar</td>
<td>Arsenic</td>
</tr>
<tr>
<td>Ba</td>
<td>Barium</td>
</tr>
<tr>
<td>Cr</td>
<td>Chromium</td>
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<td>Se</td>
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</tr>
<tr>
<td>Ag</td>
<td>Silver</td>
</tr>
<tr>
<td>Hg</td>
<td>Mercury</td>
</tr>
</tbody>
</table>

MC: Major Components
FP: Flash Point
HTW: Hazardous Toxic Waste
RX: Reactivity
ER: Energy Recovery
TOX: Halogens
CORR: Corrosivity
VOL: Volatile
TCLP-F/M: Toxicity Characteristic Leachate Procedure-Full/Metal
PHC: Petroleum Hydrocarbon Oil
MEK: Methyl Ethyl Ketone
ND: None Detected (below detection limits)
NP: Not Performed
APPENDIX C

Elmendorf AFB Waste Characterization Results
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2027
Date Sampled: 5 Aug 91
Base Sample Number: GT912027

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components(%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) 7.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components:
- Ethylene Glycol

Total Organic Halides (%): 0.0001

Energy Recovery
Total Metals (mg/L):
- Ar (0.23)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2028
Date Sampled: 5 Aug 91
Base Sample Number: GT912028

ANALYSIS REQUESTED:
☐ Flash Point (FP)
☐ Reactivity (Rx)
☐ Corrosivity (pH)
☐ TCLP-Metals
☐ TCLP-Volatiles
☐ Major Components (%)
☐ Halogens
☐ Energy Recovery-Metals
☐ PCB
☐ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 73.4
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 8.1

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Se (0.9)
TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
☐ Corrosive ☑ Ignitable ☐ Reactive ☐ TCLP Toxic
☐ Energy Recovery Criteria Exceeded

COMMENTS:
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number(s): 2032
Date Sampled: 5 Aug 91
Base Sample Number: GT912032

ANALYSIS REQUESTED:

- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles
- [x] Major Components (%)
- [ ] Halogens
- [ ] Energy Recovery-Metals
- [ ] PCB
- [ ] Other

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F): 95
- Reactivity (mg/L): Not Reactive
- Corrosivity (pH): 3.4

TEST PERFORMED: ANALYTICAL RESULTS:

- TCLP-Metals (mg/L): None detected
- TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O mixed with 8% Dichloromethane

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:

- [ ] Corrosive
- [x] Ignitable
- [ ] Reactive
- [ ] TCLP Toxic
- [ ] Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2034
Date Sampled: 5 Aug 91
Base Sample Number: GT912034

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F): 77
Reactivity (mg/L): Not Performed
Corrosivity (pH): Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Toluene (50)
- Acetone (24)
- Xylene (21)
- Heptane (5)
Total Organic Halides (%): None detected

Energy Recovery
Total Metal (mg/L): None detected

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2039
Date Sampled: 3 Aug 91
Base Sample Number: GT912039

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%)
- Petroleum Hydrocarbons (100): A mixture of oil and JP5
- Total Organic Halides (%): .22
- Energy Recovery Total Metals (mg/L): None detected
- PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
**GENERAL INFORMATION**

- **Location (bldg):** -22-009
- **Drum Number/s:** 2043.30, 2102.07, 08
- **Date Sampled:** 5 Aug 91
- **Base Sample Number:** GT912043

**ANALYSIS REQUESTED:**

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

**PHYSICAL CHARACTERISTIC OF WASTE:**

- **Flash Point (degree F):** >140
- **Reactivity (mg/L):** Not Reactive
- **Corrosivity (pH):** 7.8

**TEST PERFORMED:**

**ANALYTICAL RESULTS:**

- **TCLP-Metals (mg/L):** None detected
- **TCLP-Volatiles (mg/L):** None detected

**Major Components (%):**

- H2O: 69%
- Motor oil: 31%

**Total Organic Halides (%):** Not Performed

**Energy Recovery**

- **Total Metals (mg/L):** Not Performed

- **PCB (mg/Kg):** Not Performed

**HAZARDOUS WASTE CHARACTERISTICS:**

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

**COMMENTS:**
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2046
Date Sampled: 5 Aug 91
Base Sample Number: GT912046

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Simular to Hydraulic fluid (100)

Total Organic Halides (%): .029

Energy Recovery
Total Metals (mg/L):
Pb (1.2)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2065
Date Sampled: 5 Aug 91
Base Sample Number: GT912065

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <71.6
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.2

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Ethanol (75)
- H2O (25)

Total Organic Halides (%): None detected

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2066
Date Sampled: 5 Aug 91
Base Sample Number: GT912066

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 73.4
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Toluene (48)
- Acetone (25)
- Xylene (21)
- Heptane (6)
Total Organic Halides (%): 0.0001

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
REPORT OF LABORATORY ANALYSIS FOR

ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2070
Date Sampled: 5 Aug 91
Base Sample Number: GT912070

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 118.4
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 6.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected
Major Components (%):
H2O (100)
Total Organic Halides (%): Not Performed
Energy Recovery
Total Metals (mg/L): Not Performed
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2073, 2118, 2075
Date Sampled: 3 Aug 91
Base Sample Number: GC912073

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Not Performed
- Total Organic Halides (%): Not Performed
- Energy Recovery
  - Total Metals (mg/L): Cd (0.3)
  - PCB (mg/Xg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2076, 2077, 2078, 2116, 2115
Date Sampled: 3 Aug 91
Base Sample Number: GC912076

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) Not Performed
- Reactivity (mg/L) Not Performed
- Corrosivity (pH) Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed

TCLP-Volatiles (mg/L): Not Performed

Major Components (%): Not Performed

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L):
Cd (0.3)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2079
Date Sampled: 5 Aug 91
Base Sample Number: GT912079

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not Reactive
- Corrosivity (pH) 7.6

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Ethylene Glycol (100)
- Total Organic Halides (%): None detected
- Energy Recovery
  - Total Metals (mg/L):
    - Ar (0.26)
    - Cd (0.33)
    - Pb (24)
  - PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2087
Date Sampled: 6 Aug 91
Base Sample Number: GT912087

ANALYSIS REQUESTED:
- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Halogens
- Corrosivity (pH)
- Energy Recovery-Metals
- TCLP-Metals
- PCB
- TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 5.7

TEST PERFORMED:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive Ignitable Reactive TCLP Toxic
Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2103
Date Sampled: 6 Aug 91
Base Sample Number: GT912103

ANALYSIS REQUESTED:
Flash Point (FP) x
Reactivity (Rx) x
Corrosivity (pH) x
TCLP-Metals x
TCLP-Volatiles x

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 6.0

TEST PERFORMED:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive Ignitable Reactive TCLP Toxic
Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2104,2112
Date Sampled: 6 Aug 91
Base Sample Number: G912104

ANALYSIS REQUESTED:
- x Flash Point (FP)
- x Major Components(%)
- x Reactivity (Rx)
- x Halogens
- x Corrosivity (pH)
- x Energy Recovery-Metals
- x TCLP-Metals
- x PCB
- x TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <71.6
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Toluene (60)
- Xylene (24)
- Acetone (16)

Total Organic Halides (%): None Detected

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- x Ignitable
- x Reactive
- TCLP Toxic
- x Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2111
Date Sampled: 6 Aug 91
Base Sample Number: GT912111

ANALYSIS REQUESTED:
___ Flash Point (FP) ___ Reactivity (Rx) ___ Corrosivity (pH) ___ TCLP-Metals ___ TCLP-Volatiles
___ Major Components(%) ___ Halogens ___ Energy Recovery-Metals ___ PCB ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
   Tetrachloroethylene (1.7)
Major Components (%):
   H2O (98)
   Paint (2)
Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic
___ Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2114
Date Sampled: 6 Aug 91
Base Sample Number: GT912114

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 6.7

TEST PERFORMED:

TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
H2O (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2119
Date Sampled: 3 Aug 91
Base Sample Number: GT912119

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles
- [x] Major Components (%)
- [ ] Halogens
- [ ] Energy Recovery-Metals
- [ ] PCB
- [ ] Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >200
- Reactivity (mg/L) Not Reactive
- Corrosivity (pH) 7.7

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): None detected
- TCLP-Volatiles (mg/L): None detected

- Major Components (%):
  - H2O (70)
  - Ethylene Glycol (30)

- Total Organic Halides (%): Not Performed

- Energy Recovery
  - Total Metals (mg/L): Not Performed

- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- [ ] Corrosive
- [ ] Ignitable
- [ ] Reactive
- [ ] TCLP Toxic
- [ ] Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2124
Date Sampled: 6 Aug 91
Base Sample Number: GT912124

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) <80
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 6.9

TEST PERFORMED:

TCLP-Metals (mg/L):

Pb (4.7)

TCLP-Volatiles (mg/L):

Tetrachloroethylene (0.65)

Major Components (%):

Top (20): Oil (>99)
Bottom (80): H2O (98)
Paint (2)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2128
Date Sampled: 6 Aug 91
Base Sample Number: GT912128

ANALYSIS REQUESTED:

x Flash Point (FP)
___ Reactivity (Rx)
___ Corrosivity (pH)
___ TCLP-Metals
___ TCLP-Volatiles

x Major Components (%)
x Halogens
x Energy Recovery-Metals
x PCB
__ Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) <71.6
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Toluene (38)
Isobutyl Acetate (36)
Methyl Ethyl Ketone (17)
Isobutylbutanol (9)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic
___ Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2137, 2138
Date Sampled: 6 Aug 91
Base Sample Number: GC912137

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 11.8

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- Amonium Hydroxide (80)
- H2O (20)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
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ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2139
Date Sampled: 6 Aug 91
Base Sample Number: GT912129

ANALYSIS REQUESTED:
___ Flash Point (FP) ___ Major Components (%)
___ Reactivity (Rx) ___ Halogens
___ Corrosivity (pH) ___ Energy Recovery-Metals
___ TCLP-Metals ___ PCB
___ TCLP-Volatiles ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed

TCLP-Volatiles (mg/L): Not Performed

Major Components (%): Not Performed

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic
___ Energy Recovery Criteria Exceeded

COMMENTS:
No oil, test Not Performed
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2140
Date Sampled: 6 Aug 91
Base Sample Number: GT912140

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed
Major Components (%): Not Performed
Total Organic Halides (%): Not Performed
Energy Recovery
Total Metals (mg/L):
  Cd (0.27)
  Cr (1.82)
PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number(s): 2145
Date Sampled: 7 Aug 91
Base Sample Number: GT912145

ANALYSIS REQUESTED:
- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Halogens
- Corrosivity (pH)
- Energy Recovery-Metals
- TCLP-Metals
- PCB
- TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F): 95
Reactivity (mg/L): Not Performed
Corrosivity (pH): Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
1,1,1-Trichloroethane (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2147, 2148
Date Sampled: 6 Aug 91
Base Sample Number: GT912147

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) < 80
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 11.9

TEST PERFORMED:
TCLP-Metals (mg/L):
Cd (0.3)
TCLP-Volatiles (mg/L):
Vinyl Chloride (1.0)

Major Components (%):
Ammonium Hydroxide (89)
H2O (11)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2157
Date Sampled: 6 Aug 91
Base Sample Number: GT912157

ANALYSIS REQUESTED:
- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Halogens
- Corrosivity (pH)
- Energy Recovery-Metals
- TCLP-Metals
- PCB
- TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 127.4
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.1

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2158
Date Sampled: 6 Aug 91
Base Sample Number: GT912158

ANALYSIS REQUESTED:
- Flash Point (FP)
- Corrosivity (pH)
- Reactivity (Rx)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%):
- Ethanol (100)
- Total Organic Halides (%): Not Performed

TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

TEST PERFORMED:

ANALYTICAL RESULTS:

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) < 71.6
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:

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### GENERAL INFORMATION
- **Location (bldg):** 22-009
- **Drum Number/s:** 2161
- **Date Sampled:** 6 Aug 91
- **Base Sample Number:** GT912161

### ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [-] Reactivity (Rx)
- [-] Corrosivity (pH)
- [-] TCLP-Metals
- [-] TCLP-Volatiles
- [x] Major Components (%)
- [-] Halogens
- [-] Energy Recovery-Metals
- [-] PCB
- [-] Other

### PHYSICAL CHARACTERISTIC OF WASTE:
- **Flash Point (degree F):** <71.6
- **Reactivity (mg/L):** Not Performed
- **Corrosivity (pH):** Not Performed

### TEST PERFORMED: ANALYTICAL RESULTS:
- **TCLP-Metals (mg/L):** Not Performed
- **TCLP-Volatiles (mg/L):** Not Performed

### Major Components (%):
- Petroleum Hydrocarbons mixed with JP-4 and motor oil (100)

### Total Organic Halides (%): Not Performed

### Energy Recovery
- **Total Metals (mg/L):** Not Performed

### PCB (mg/Kg): Not Performed

### HAZARDOUS WASTE CHARACTERISTICS:
- [-] Corrosive
- [x] Ignitable
- [-] Reactive
- [-] TCLP Toxic
- [x] Energy Recovery Criteria Exceeded

### COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2165
Date Sampled: 7 Aug 91
Base Sample Number: GT912165

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not Reactive
- Corrosivity (pH) 7.6

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (0.72)
- Pb (0.71) Se (0.69)
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- H2O (93)
- Petroleum Hydrocarbons (7)

Total Organic Halides (%): Not Performed

Energy Recovery
- Total Metals (mg/L): Not Performed
- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2166
Date Sampled: 7 Aug 91
Base Sample Number: GT912166

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- Energy Recovery-Metals
- Energy Recovery-Metals
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 132.8
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.6

TEST PERFORMED:
- TCLP-Metals (mg/L):
  - Pb (1.6) Se (0.5)
- TCLP-Volatiles (mg/L): None detected

ANALYTICAL RESULTS:
Major Components (%):
- H2O (88)
- Petroleum Hydrocarbons (12)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2172
Date Sampled: 7 Aug 91
Base Sample Number: GT912172

ANALYSIS REQUESTED:
- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Halogens
- Corrosivity (pH)
- Energy Recovery - Metals
- TCLP-Metals
- PCB
- TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 113
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 8.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ba (39)
- Cr (15)
- Cd (8.1)
- Pb (41)
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- Petroleum Hydrocarbons (66)
- H2O (34)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2175
Date Sampled: 7 Aug 91
Base Sample Number: GT912175

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 82.4
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.2

TEST PERFORMED:
TCLP-Metals (mg/L):
  Cd (0.16)
TCLP-Volatiles (mg/L):
  Tetrachloroethylene (7)

Major Components (%):
  Petroleum Hydrocarbons (79)
  H2O (21)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2177
Date Sampled: 7 Aug 91
Base Sample Number: GT912177

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Ethyl and methyl Phenol Isomers (67)
- Methylene (33)

Total Organic Halides (%): 8.4

Energy Recovery
Total Metals (mg/L):
- Ar (0.24)
- Cd (12)
- Cr (647)
- Pb (1350)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2180
Date Sampled: 7 Aug 91
Base Sample Number: GT912180

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 60.8
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- 1,1,2-Trichloro-1,2,2-Trifluoromethane (43)
- Xylene (19)
- N-pentane (12)
- Acetone (10)
- Heptane (8)
- Benzene (4)
- Toluene (4)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable X
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2182
Date Sampled: 7 Aug 91
Base Sample Number: GT912182

ANALYSIS REQUESTED:
_x_ Flash Point (FP) __ x_ Major Components (%)
___ Reactivity (Rx)   __ x_ Halogens
___ Corrosivity (pH) __ x_ Energy Recovery-Metals
___ TCLP-Metals   ___ x_ PCB
___ TCLP-Volatiles ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Petroleum Hydrocarbons (100)

Total Organic Halides (%): .031

Energy Recovery
Total Metals (mg/L):
Cd (1.2)
Cr (1.4)
Pb (26)
PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic
___ Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2190
Date Sampled: 7 Aug 91
Base Sample Number: GT912190

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 77
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 4.6

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Benzene (10.2)
- 1,2-Dichloroethene (0.2)

Major Components (%):
- H2O (26)
- 1-1-2 Tricloro-1-2-2 Trichloromethane (19)
- Xylene (18)
- Toluene (12)
- Acetone (11)
- Heptane (8)
- N-Petane (3)
- Benzene (3)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2194
Date Sampled: 7 Aug 91
Base Sample Number: GT912194

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F): >140
Reactivity (mg/L): Not Performed
Corrosivity (pH): Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Liquid mixed with Phenol Isomers

Total Organic Halides (%): 12

Energy Recovery
Total Metals (mg/L):
- Cd (1.3)
- Cr (64)
- Pb (19)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- x Energy Recovery Criteria Exceeded

COMMENTS:

53
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2196
Date Sampled: 7 Aug 91
Base Sample Number: GT912196

ANALYSIS REQUESTED:
- x Flash Point (FP)
- x Major Components (%)
- _ Reactivity (Rx)
- _ Major Components (%)
- _ Corrosivity (pH)
- _ Energy Recovery-Metals
- _ TCLP-Metals
- _ PCB
- _ TCLP-Volatiles
- _ Energy Recovery-Metals

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <71.6
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%):
  - Petroleum Hydrocarbons (59)
  - Dichloromethane (17)
  - Heptane (8)
  - Tetrachloroethylene (7)
  - N-Butanol (6)
  - Toluene (3)
- Total Organic Halides (%): Not Performed
- Energy Recovery
  - Total Metals (mg/L): Not Performed
  - PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive _ Ignitable _ Reactive _ TCLP Toxic
  - Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2199
Date Sampled: 7 Aug 91
Base Sample Number: GT912199

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles

- [x] Major Components (%)
- [ ] Halogens
- [ ] Energy Recovery-Metals
- [ ] PCB
- [ ] Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 82.4
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 6.0

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
  - Cd (3.0)
TCLP-Volatiles (mg/L):
  - o-Cresol (11.6)

Major Components (%):
  - H2O (50)
  - Phenols (39)
  - 1,1,1-Trichloroethane (11)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- [ ] Corrosive
- [x] Ignitable
- [ ] Reactive
- [x] TCLP Toxic
- [ ] Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2213
Date Sampled: 8 Aug 91
Base Sample Number: GT912213

ANALYSIS REQUESTED:
- X Flash Point (FP)
- X Reactivity (Rx)
- X Corrosivity (pH)
- X TCLP-Metals
- X TCLP-Volatiles
- X Major Components (%)
- X Halogens
- ___ Energy Recovery-Metals
- ___ PCB
- ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F): 82.4
Reactivity (mg/L): Not Reactive
Corrosivity (pH): 10.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Cr (0.62)
- Cd (2.2)
TCLP-Volatiles (mg/L):
- Benzene (0.41)

Major Components (%):
- H2O mixed with limonene (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- ___ Corrosive
- ___ Ignitable
- ___ Reactive
- ___ TCLP Toxic
- ___ Energy Recovery Criteria Exceeded

COMMENTS:
**GENERAL INFORMATION**

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<td>Base Sample Number:</td>
<td>GT912214</td>
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**ANALYSIS REQUESTED:**

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

**PHYSICAL CHARACTERISTIC OF WASTE:**

- Flash Point (degree F): 77
- Reactivity (mg/L): Not Reactive
- Corrosivity (pH): 7.7

**TEST PERFORMED:**

- TCLP-Metals (mg/L): None detected

  TCLP-Volatiles (mg/L):
  - Tetrochloroethylene (0.23)

**Major Components (%):**

- Petroleum Hydrocarbons (86)
- H2O (14)

**Total Organic Halides (%):** Not Performed

**Energy Recovery**

- Total Metals (mg/L): Not Performed

- PCB (mg/Kg): Not Performed

**HAZARDOUS WASTE CHARACTERISTICS:**

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

**COMMENTS:**
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE  
BROOKS AIR FORCE BASE, TEXAS 78235-5000  
REPORT OF LABORATORY ANALYSIS FOR  
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2216, 2215
Date Sampled: 8 Aug 91
Base Sample Number: GC912216

ANALYSIS REQUESTED:
- x Flash Point (FP)
- x Reactivity (Rx)
- x Corrosivity (pH)
- x TCLP-Metals
- x TCLP-Volatiles
- x Major Components (%)
- __ Halogens
- __ Energy Recovery-Metals
- __ PCB
- __ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 11.9

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- Ammonium Hydroxide (89)
- H2O (11)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): NotPerformed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- __ Corrosive
- x Ignitable
- __ Reactive
- __ TCLP Toxic
- __ Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2220
Date Sampled: 8 Aug 91
Base Sample Number: GT912220

ANALYSIS REQUESTED:
\( x \) Flash Point (FP) \( x \) Major Components(%) 
\( x \) Reactivity (Rx) \( \quad \) Halogens
\( x \) Corrosivity (pH) \( \quad \) Energy Recovery-Metals
\( x \) TCLP-Metals \( \quad \) PCB
\( x \) TCLP-Volatiles \( \quad \) Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 62.6
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
  Tetrochloroethylene (4.3)
  Chlorobenzene (0.12)

Major Components (%):
  Petroleum Hydrocarbons (79)
  H2O (21)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
\( \quad \) Corrosive \( x \) Ignitable \( x \) Reactive \( x \) TCLP Toxic
\( \quad \) Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2230
Date Sampled: 8 Aug 91
Base Sample Number: GT912230

ANALYSIS REQUESTED:

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<td>Other</td>
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PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.2

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Ethylene Glycol (100)

Total Organic Halides (%): 0.01

Energy Recovery
Total Metals (mg/L):
Ar (0.16)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2231
Date Sampled: 8 Aug 91
Base Sample Number: GT912231

ANALYSIS REQUESTED:
- x Flash Point (FP)
- x Reactivity (Rx)
- x Corrosivity (pH)
- x TCLP-Metals
- x TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 111.2
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 10.0

TEST PERFORMED:

ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Benzene (0.34)
- Tetrachloroethylene (1.7)

Major Components (%):
- H2O (71)
- Petroleum Hydrocarbons (29)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- ___ Corrosive  x Ignitable  ___ Reactive  x TCLP Toxic
- ___ Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2240
Date Sampled: 8 Aug 91
Base Sample Number: GT912240

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components(%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) ≤71.6
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Petroleum Hydrocarbons (92)
- Toluene (8)

Total Organic Halides (%): 0.03

Energy Recovery
Total Metals (mg/L):
- Pb (39)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2241
Date Sampled: 8 Aug 91
Base Sample Number: GT912241

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 100.4
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Petroleum Hydrocarbons JP-5 (100)

Total Organic Halides (%): .04

Energy Recovery
Total Metals (mg/L):
Pb (3.1)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2243
Date Sampled: 8 Aug 91
Base Sample Number: GT912243

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%):
  - Petroleum Hydrocarbons PD-680 (100)
- Total Organic Halides (%): None detected
- Energy Recovery
  - Total Metals (mg/L): None detected
- PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2250
Date Sampled: 10 Aug 91
Base Sample Number: GT912250

ANALYSIS REQUESTED:
-x Flash Point (FP)  x Major Components(%)  
- Reactivity (Rx)  Halogens
- Corrosivity (pH)  Energy Recovery-Metals
- TCLP-Metals  PCB
- TCLP-Volatiles  Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:  ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Top (95): Gasoline (>99)
Bottom (5): H2O (>99)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
-x Corrosive  x Ignitable  - Reactive  - TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2256
Date Sampled: 9 Aug 91
Base Sample Number: GT912256

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) <1.0

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed
Major Components (%):
H2O (71)
HCL (29)
Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2266
Date Sampled: 9 Aug 91
Base Sample Number: GT912266

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) <80
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Oil Based Paint (>99)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2269, 2272, 2278
Date Sampled: 9 Aug 91
Base Sample Number: GC912268

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Oil (40)
Degreasing Solvent (40)
Phenols (20)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2270
Date Sampled: 9 Aug 91
Base Sample Number: GT912270

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 9.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
  Cr (0.9)
  Cd (0.8)  Pb (1.7)
TCLP-Volatiles (mg/L):
  Benzene (6.3)

Major Components (%):
Top (80): Oil (>99)
Bottom (20): H2O (87)
  Oil (13)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2280
Date Sampled: 10 Aug 91
Base Sample Number: GT912280

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components(%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Petroleum Hydrocarbons (100)
Total Organic Halides (%): .6

Energy Recovery
Total Metals (mg/L):
Cr (0.24)
Pb (0.2)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2287
Date Sampled: 8 Aug 91
Base Sample Number: GT912287

ANALYSIS REQUESTED:
- x Flash Point (FP)
- x Reactivity (Rx)
- x Corrosivity (pH)
- x TCLP-Metals
- x TCLP-Volatiles
- x Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <71.6
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.0

TEST PERFORMED:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- H2C (69)
- Petroleum Hydrocarbons (28)
- Benzene, Toluene, Xylene (3)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- x Corrosive
- x Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2288
Date Sampled: 8 Aug 91
Base Sample Number: GT912288

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.1

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- H2O (85)
- Petroleum Hydrocarbons (15)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2289
Date Sampled: 10 Aug 91
Base Sample Number: GT912289

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 3.0

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed
Major Components (%): Not Performed
Total Organic Halides (%): Not Performed
Energy Recovery
Total Metals (mg/L): Not Performed
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009  
Drum Number/s: 2290  
Date Sampled: 10 Aug 91  
Base Sample Number: GT912290

ANALYSIS REQUESTED:
- Flash Point (FP)  
- Reactivity (Rx)  
- Corrosivity (pH)  
- TCLP-Metals  
- TCLP-Volatiles  
- Major Components(%)  
- Halogens  
- Energy Recovery-Metals  
- PCB  
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140  
Reactivity (mg/L) Not Reactive  
Corrosivity (pH) 8.8

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): 1,2-Dichloroethane (0.32)
Major Components (%):  
- Petroleum Hydrocarbons (54)  
- H2O (46)
Total Organic Halides (%): Not Performed

Energy Recovery  
Total Metals (mg/L): Not Performed  
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:  
- Corrosive  
- Ignitable  
- Reactive  
- TCLP Toxic  
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2297
Date Sampled: 10 Aug 91
Base Sample Number: GT912297

ANALYSIS REQUESTED:

___ Flash Point (FP) ______ Major Components(%) 
___ Reactivity (Rx) _______ Halogens 
X Corrosivity (pH) ______ Energy Recovery-Metals 
X TCLP-Metals _______ PCB 
___ TCLP-Volatiles _______ Other 

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed 
Reactivity (mg/L) Not Reactive 
Corrosivity (pH) 6.9 

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):

Pb (1.6) 
TCLP-Volatiles (mg/L): Not Performed

Major Components (%): Not Performed

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic 
___ Energy Recovery Criteria Exceeded 

COMMENTS: 

75
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2298
Date Sampled: 10 Aug 91
Base Sample Number: GT912298

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 3.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- H2O (67)
- Solids (33)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2302
Date Sampled: 10 Aug 91
Base Sample Number: GT912302

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not Performed
- Corrosivity (pH) Not Performed

TEST PERFORMED:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed

ANALYTICAL RESULTS:
- Major Components (%):
  Petroleum Hydrocarbons (100)

- Total Organic Halides (%): .055

- Energy Recovery
  - Total Metals (mg/L):
    - Pb (4.0)

- PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2306
Date Sampled: 10 Aug 91
Base Sample Number: GT912306

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Petroleum Hydrocarbons (100)
- Total Organic Halides (%): .33

Energy Recovery
Total Metals (mg/L):
- Pb (4.9)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 22-009
Drum Number/s: 2309
Date Sampled: 10 Aug 91
Base Sample Number: GT912309

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F) <80
- Reactivity (mg/L) Not Reactive
- Corrosivity (pH) 5.1

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):
- Pb (1.9)
TCLP-Volatiles (mg/L): None detected

Major Components (%):
- Top (10): Naphtha (>99)
- Bottom (90): H2O (>99)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2311
Date Sampled: 10 Aug 91
Base Sample Number: GT912311

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.6

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Carbon Tetrachloride (0.15)

Major Components (%):
- Soil (79)
- H2O (17)
- Petroleum Hydrocarbons (4)
Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2312
Date Sampled: 10 Aug 91
Base Sample Number: GT912312

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >200
- Reactivity (mg/L) Not Reactive
- Corrosivity (pH) 7.4

TEST PERFORMED:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Benzene (0.55)
- Tetrachloroethylene (0.18)

Major Components (%):
- Top (80): Petroleum Hydrocarbons (>99)
- Bottom (20): Inorganics (81)
- H2O (19)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
REPORT OF LABORATORY ANALYSIS FOR
ELMENDORF AFB, AK

GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2319
Date Sampled: 10 Aug 91
Base Sample Number: GT912319

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
  Benzene (3.7)
  Methyl Ethyl Ketone (21)
  Tetrachloroethylene (0.22)

Major Components (%):
  Top (60): Petroleum Hydrocarbons (99)
  Bottom (40): H2O (>99)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
82
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2320
Date Sampled: 10 Aug 91
Base Sample Number: GT912320

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [ ] TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 9.9

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
H2O (>99)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- [ ] Corrosive
- [ ] Ignitable
- [x] Reactive
- [ ] TCLP Toxic
- [ ] Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2327
Date Sampled: 10 Aug 91
Base Sample Number: GT912327

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components(%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 9.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected
Major Components (%):
H2O (>99)
Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2329
Date Sampled: 10 Aug 91
Base Sample Number: GT912329

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 10.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Cr (6.2)
- Cd (1.0)
TCLP-Volatiles (mg/L):
- Tetrachloroethylene (1.0)

Major Components (%):
- H2O (94)
- Petroleum Hydrocarbons (6)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2332
Date Sampled: 10 Aug 91
Base Sample Number: GT912332

ANALYSIS REQUESTED:
- x Flash Point (FP)
- __ Reactivity (Rx)
- x Corrosivity (pH)
- __ TCLP-Metals
- __ TCLP-Volatiles
- x Major Components (%)
- __ Halogens
- __ Energy Recovery-Metals
- __ PCB
- __ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Performed
Corrosivity (pH) 8.5

TEST PERFORMED:
ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Petroleum Hydrocarbons (similar to JP-4) (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- __ Corrosive
- x Ignitable
- __ Reactive
- __ TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2341
Date Sampled: 10 Aug 91
Base Sample Number: GT912341

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Hydraulic Fluid (100)

Total Organic Halides (%): None detected

Energy Recovery
Total Metals (mg/L):
Pb (0.71)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2361
Date Sampled: 10 Aug 91
Base Sample Number: GT912361

ANALYSIS REQUESTED:
- x Flash Point (FP)
- _ Reactivity (Rx)
- _ Corrosivity (pH)
- _ TCLP-Metals
- _ TCLP-Volatiles
- x Major Components (%)
- x Halogens
- x Energy Recovery-Metals
- x PCB
- _ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 131
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Petroleum Hydrocarbons (98)
- Toluene (1)
- Xylene (1)
Total Organic Halides (%): .17

Energy Recovery
Total Metals (mg/L):
- Ar (0.12)
- Pb (230)
- Cd (0.13)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- x Corrosive
- _ Ignitable
- _ Reactive
- _ TCLP Toxic
- _ Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 22-009
Drum Number/s: 2379
Date Sampled: 10 Aug 91
Base Sample Number: GT912379

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 13.6

TEST PERFORMED:
TCLP-Metals (mg/L):
  Cr (0.8)
  Pb (4.7)
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
  H2O and Ammonia (100)

Total Organic Halides (%): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
APPENDIX D

Shemya AFB Waste Characterization Results
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2503
Date Sampled: 6 Aug 91
Base Sample Number: GT912503

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 3.7

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Benzene (31)
- Cresol (Total) (2)

Major Components (%):
- H2O (95)
- Organic (5): Hydrocarbons (99)
- Acetone (1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 250413
Date Sampled: 6 Aug 91
Base Sample Number: GT912504

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <60.8
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Organic (100): Hydrocarbons (48)
Toluene, Ethylbenzene and Xylene (40)
Alkylbenzene (12)
Total Organic Halides (mg/L): None detected

Energy Recovery
Total Metals (mg/L):
Pb (6)
Cr (2)

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2505
Date Sampled: 6 Aug 91
Base Sample Number: GT912505

ANALYSIS REQUESTED:
- X Flash Point (FP)
- X Reactivity (Rx)
- X Corrosivity (pH)
- X TCLP-Metals
- X TCLP-Volatiles
- X Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 5.4

TEST PERFORMED:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
Cresol (Total) (<1)

Major Components (%):
H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
Nitrobenzene can not be reported due to 0% recovery in the matrix spike sample.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2507
Date Sampled: 6 Aug 91
Base Sample Number: GT912507

ANALYSIS REQUESTED:
- x  Flash Point (FP)
- x  Reactivity (Rx)
- x  Corrosivity (pH)
- x  TCLP-Metals
- x  TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 77
Reactivity (mg/L) Not reactive
Corrosivity (pH) 4.9

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Pb (20) Se (1)
- Hg (.34)
TCLP-Volatiles (mg/L):
- Chloroform (6.9)
- Methyl ethyl ketone (620)
- Cresol (Total) (<4)
Major Components (%):
- H2O (50)
- Organic (50): Tolunes and Xylenes (56)
- Hydrocarbons (20)
- Cellosolve Acetate (16)
- Alkyl Benzenes (5)
- 4-Methyl-2-Pentanone (3)

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive  x  Ignitable  x  Reactive  x  TCLP Toxic ER Criteria Exceeded

COMMENTS:
**GENERAL INFORMATION**

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**ANALYSIS REQUESTED:**

- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles
- _[ ]_ Major Components(%)  
  - _[ ]_ Halogens  
  - _[ ]_ Energy Recovery-Metals  
  - _[ ]_ PCB  
  - _[ ]_ Other

**PHYSICAL CHARACTERISTIC OF WASTE:**

- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 5.8

**TEST PERFORMED:**

**ANALYTICAL RESULTS:**

- **TCLP-Metals (mg/L):**
  - Ba (.4)
  - Cr (.1)
  - Cd (.05)
  - Pb (.5)

- **TCLP-Volatiles (mg/L):**
  - Cresol (Total) (<1)

- **Major Components (%):**
  - H2O (100)

- **Total Organic Halides (mg/L):** Not performed

- **Energy Recovery**
  - **Total Metals (mg/L):** Not performed

- **PCB (mg/Kg):** Not performed

**HAZARDOUS WASTE CHARACTERISTICS:**

- [ ] Corrosive
- [ ] Ignitable
- [ ] Reactive
- [ ] TCLP Toxic
- [ ] ER Criteria Exceeded

**COMMENTS:**

Nitrobenze can not be reported due to 0% recovery in the matrix spike sample.
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2508
Date Sampled: 6 Aug 91
Base Sample Number: GT912508

ANALYSIS REQUESTED:

Flash Point (FP) 
Reactivity (Rx) 
Corrosivity (pH) 
TCLP-Metals 
TCLP-Volatiles

Major Components (%)
Halogens
Energy Recovery-Metals
PCB
Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 9.4

TEST PERFORMED:

TCLP-Metals (mg/L):
  Ba (.02)  Pb (.02)
  Cd (.06)  Ag (.04)
TCLP-Volatiles (mg/L):
  Benzene (1.7)
  Cresol (Total) (<1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

Corrosive  Ignitable  Reactive  TCLP Toxic
ER Criteria Exceeded

COMMENTS:
## GENERAL INFORMATION
- **Location (bldg):** 3055
- **Drum Number/s:** 2509
- **Date Sampled:** 6 Aug 91
- **Base Sample Number:** GT912509

## ANALYSIS REQUESTED:
- **Flash Point (FP)**
- **Reactivity (Rx)**
- **Corrosivity (pH)**
- **TCLP-Metals**
- **TCLP-Volatiles**
- **Major Components (%)**
- **Halogens**
- **Energy Recovery-Metals**
- **PCB**
- **Other**

## PHYSICAL CHARACTERISTIC OF WASTE:
- **Flash Point (degree F):** 125.6
- **Reactivity (mg/L):** Not performed
- **Corrosivity (pH):** Not performed

## TEST PERFORMED: ANALYTICAL RESULTS:
- **TCLP-Metals (mg/L):** Not performed
- **TCLP-Volatiles (mg/L):** Not performed

## Major Components (%):
- **Organic (100):** Hydrocarbons (83)
- **Alkyl Benzene (12)**
- **Alkyl Naphthalenes (5)**
- **Total Organic Halides (mg/L):** Not performed

## Energy Recovery
- **Total Metals (mg/L):** Not performed

## PCB (mg/Kg):** Not performed

## HAZARDOUS WASTE CHARACTERISTICS:
- **Corrosive**
- **Ignitable**
- **Reactive**
- **TCLP Toxic ER Criteria Exceeded**

## COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2510
Date Sampled: 6 Aug 91
Base Sample Number: GT912510

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.1

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected
Major Components (%):
- H2O (90)
- Organic (10): Hydrocarbons (100)
Total Organic Halides (mg/L): Not performed
Energy Recovery
Total Metals (mg/L): Not performed
PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
Nitrobenzene can not be reported due to 0% recovery in the matrix spike sample.
REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2511
Date Sampled: 6 Aug 91
Base Sample Number: GT912511

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles
- [x] Major Components (%)
- [ ] Halogens
- [ ] Energy Recovery-Metals
- [ ] PCB
- [ ] Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <57.2
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.0

TEST PERFORMED:
TCLP-Metals (mg/L): Ag (.07)

TCLP-Volatiles (mg/L):
Mehtyl ethyl ketone (5200)

Major Components (%):
H2O (98)
Organic (2)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- [ ] Corrosive
- [x] Ignitable
- [ ] Reactive
- [ ] TCLP Toxic
- [ ] ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2512
Date Sampled: 6 Aug 91
Base Sample Number: GT912512

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

MAJOR COMPONENTS (%):
- Organic (100): Hydrocarbons (51)
  - Toluene, Ethylbenzene and Xylene (44)
  - Alkyl Benzene (3)
  - Alkyl Naphthalenes (2)

TEST PERFORMED:
- TCLP-Metals (mg/L): Not performed
- TCLP-Volatiles (mg/L): Not performed
- Major Components (%):
  - Organic (100): Hydrocarbons (51)
  - Toluene, Ethylbenzene and Xylene (44)
  - Alkyl Benzene (3)
  - Alkyl Naphthalenes (2)
- Total Organic Halides (mg/L): Not performed
- Energy Recovery
  - Total Metals (mg/L): Not performed
- PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:

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## General Information

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## Analysis Requested:

- **Flash Point (FP)**
- **Reactivity (Rx)**
- **Corrosivity (pH)**
- **TCLP-Metals**
- **TCLP-Volatiles**
- **Major Components (%)**
- **Halogens**
- **Energy Recovery-Metals**
- **PCB**
- **Other**

## Physical Characteristic of Waste:

- **Flash Point (degree F):** >140
- **Reactivity (mg/L):** Not reactive
- **Corrosivity (pH):** 4.7

## Test Performed:

### TCLP-Metals (mg/L):
- Ar (.1)
- Ag (.08)
- Pb (.4)

### TCLP-Volatiles (mg/L):
- Cresol (Total) (<0.1)

## Analytical Results:

- **Energy Recovery**
- **Total Metals (mg/L):** Not performed

## Hazardous Waste Characteristics:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

## Comments:

- None detected

---

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GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2516
Date Sampled: 6 Aug 91
Base Sample Number: GT912516

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Major Components(%)
- [-] Reactivity (Rx)
- [x] Halogens
- [-] Corrosivity (pH)
- [x] Energy Recovery-Metals
- [-] TCLP-Metals
- [-] PCB
- [-] TCLP-Volatiles
- [-] Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed

TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Organic (100): Hydrocarbons (100)

Total Organic Halides (mg/L): None detected

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg):
Aroclor 1260 (14)

HAZARDOUS WASTE CHARACTERISTICS:
- [-] Corrosive
- [-] Ignitable
- [-] Reactive
- [x] TCLP Toxic
- [-] ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2518
Date Sampled: 6 Aug 91
Base Sample Number: GT912518

ANALYSIS REQUESTED:
- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Halogens
- Corrosivity (pH)
- Energy Recovery-Metals
- TCLP-Metals
- PCB
- TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 136.4
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Organic (100): Hydrocarbons (87)
Alkyl Benzene (9)
Alkyl Naphthlenes (4)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2519
Date Sampled: 6 Aug 91
Base Sample Number: GT912519

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.2

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ba (.8)
- Hg (.02)
TCLP-Volatiles (mg/L):
- Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
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**ANALYSIS REQUESTED:**

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<td>__ Halogens</td>
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<td>__ Corrosivity (pH)</td>
<td>__ Energy Recovery-Metals</td>
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<td>__ PCB</td>
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<td>__ TCLP-Volatiles</td>
<td>__ Other</td>
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**PHYSICAL CHARACTERISTIC OF WASTE:**

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<td>Corrosivity (pH)</td>
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**TEST PERFORMED:**

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<tr>
<td>TCLP-Volatiles (mg/L)</td>
<td>Not performed</td>
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**Major Components (%):**

- Organic (100): Toluene, Ethylbenzene and Xylene (91) Hydrocarbons (9)

**Total Organic Halides (mg/L):** Not performed

**Energy Recovery**

- Total Metals (mg/L): Not performed
- PCB (mg/Kg): Not performed

**HAZARDOUS WASTE CHARACTERISTICS:**

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

**COMMENTS:**
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2521
Date Sampled: 6 Aug 91
Base Sample Number: GT912521

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
  - Corrosivity (pH)
  - TCLP-Metals
  - TCLP-Volatiles
- Major Components (%)
  - Halogens
  - Energy Recovery-Metals
  - PCB
  - Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F): >140
Reactivity (mg/L): Not performed
Corrosivity (pH): Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Organic (100):
  - Unknown Sulfur Compounds (50)
  - Unknown Hydrocarbons (40)
  - Unknown Compounds (10)
- Total Organic Halides (mg/L): None detected

Energy Recovery:
- Total Metals (mg/L): None detected

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2522
Date Sampled: 6 Aug 91
Base Sample Number: GT912522

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 8.1

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Cd (1.1)
- Se (.4)
- Pb (6.9)
- Ag (.07)
TCLP-Volatiles (mg/L):
- Cresol (Total) (<1)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number(s): 2523
Date Sampled: 6 Aug 91
Base Sample Number: GT912523

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F): 93.2
- Reactivity (mg/L): Not performed
- Corrosivity (pH): Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not performed
- TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (79)
- Alkyl Benzenes (14)
- Toluene, Ethylbenzene and Xylene (7)
Total Organic Halides (%): <0.02

Energy Recovery
- Total Metals (mg/L):
  - Pb (2)
  - Ar (1)
- PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2524
Date Sampled: 7 Aug 91
Base Sample Number: GT912524

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <60.8
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (89)
- 2-Hexanone (5)
- Benzyl Butyl Phthalate (2)
- Toluene (3)
- Ethyl Cellolouse (1)
Total Organic Halides: .21%

Energy Recovery
Total Metals (mg/L):
- Cd (.2)
- Ar (3)
- Pb (1100)
- Cr (530)
PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2525
Date Sampled: 6 Aug 91
Base Sample Number: GT912525

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 98.6
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.9

TEST PERFORMED:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Methyl ethyl ketone (980)
- Cresol (Total) (3)

Major Components (%):
- H2O (50)
- Methyl Propanol (29.5)
- 2-Butane (13)
- Hydrocarbons (2.50)
- Methylene Chloride (2)
- Toluene (1)
- Acetone (1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
# General Information

| Location (bldg): | 3055 |
| Drum Number/s: | 2527.28 |
| Date Sampled: | 6 Aug 91 |
| Base Sample Number: | GT912527 |

## Analysis Requested:

- **Flash Point (FP)**
- **Reactivity (Rx)**
- **Corrosivity (pH)**
- **TCLP-Metals**
- **TCLP-Volatiles**

## Physical Characteristic of Waste:

<table>
<thead>
<tr>
<th>Test Performed</th>
<th>Analytical Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (degree F)</td>
<td>Not performed</td>
</tr>
<tr>
<td>Reactivity (mg/L)</td>
<td>Not reactive</td>
</tr>
<tr>
<td>Corrosivity (pH)</td>
<td>5.7</td>
</tr>
</tbody>
</table>

## Test Performed:

- **TCLP-Metals (mg/L):**
  - Pb (.5)
  - Ag (.03)
- **TCLP-Volatiles (mg/L):**
  - Cresol (Total) (<1)

## Major Components (%): Not performed

## Total Organic Halides (mg/L): Not performed

## Energy Recovery

- **Total Metals (mg/L):** Not performed

## PCB (mg/Kg): Not performed

## Hazardous Waste Characteristics:

- **Corrosive**
- **Ignitable**
- **Reactive**
- **TCLP Toxic**
- **ER Criteria Exceeded**

## Comments:

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OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
<table>
<thead>
<tr>
<th>Location (bldg):</th>
<th>3055</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum Number/s:</td>
<td>2529</td>
</tr>
<tr>
<td>Date Sampled:</td>
<td>6 Aug 91</td>
</tr>
<tr>
<td>Base Sample Number:</td>
<td>GT912529</td>
</tr>
</tbody>
</table>

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) <80
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 8.7

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L):
  - Cd (.2)
- TCLP-Volatiles (mg/L): Not performed

- Major Components (%):
  - Soil and Vermculite (95)
  - Hydrocarbons (5)
- Total Organic Halides (mg/L): Not performed

- Energy Recovery
- Total Metals (mg/L): Not performed

- PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:

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GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2531
Date Sampled: 6 Aug 91
Base Sample Number: GT912531

ANALYSIS REQUESTED:
- x Flash Point (FP)
- x Reactivity (Rx)
- x Corrosivity (pH)
- x TCLP-Metals
- x TCLP-Volatiles
- x Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 96.8
Reactivity (mg/L) Not reactive
Corrosivity (pH) 5.6

TEST PERFORMED:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (.7)
- Pb (.6)
- Ag (.1)
- Cr (.2)
- Se (1)
TCLP-Volatiles (mg/L):
- Benzene (1.1)
- Methyl ethyl ketone (4.7)
- Cresol (Total) (20)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
2,4-Dintrotoluene, Hexachloroethane and Pentachlorophenol can not be reported due to 0% recovery in the matrix spike sample
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2532
Date Sampled: 6 Aug 91
Base Sample Number: GT912532

ANALYSIS REQUESTED:
- Flash Point (FP)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) < 68
Reactivity (mg/L) Not performed
Corrosivity (pH) 6.7

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (.1)
- Cr (1.3)
- Hg (.08)
- Ba (.2)
- Pb (.3)
- Ag (.06)
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (38)
- Alkyl Benzenes (31)
- Toluene, Ethylbenzene and Xylene (23)
- Cellosolve Acetate (7)
- Unknown Acid Ester (1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS: 115
GENERAL INFORMATION
Location (bldg): 3055  
Drum Number/s: 2533  
Date Sampled: 6 Aug 91  
Base Sample Number: GT912533

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
  - Halogens
  - Energy Recovery - Metals
  - PCB
  - Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F): 114.8
- Reactivity (mg/L): Not reactive
- Corrosivity (pH): 6.8

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (.3)
- Cr (.1)
- Hg (.07)
- Ag (.1)
- Ba (.3)
- Pb (13)
- Se (.7)
TCLP-Volatiles (mg/L):
- TC (<3)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
2,4-Dintrotoleue, Hexachloroethane and Pentachlorophenol cannot be reported due to 0% recovery in the matrix spike sample.
### GENERAL INFORMATION
- **Location (bldg):** 3055
- **Drum Number/s:** 2534
- **Date Sampled:** 6 Aug 91
- **Base Sample Number:** GT912534

### ANALYSIS REQUESTED:
- **Flash Point (FP):**
- **Reactivity (Rx):**
- **Corrosivity (pH):**
- **TCLP-Metals**
- **TCLP-Volatiles**

### PHYSICAL CHARACTERISTIC OF WASTE:
- **Flash Point (degree F):** 114.8
- **Reactivity (mg/L):** Not performed
- **Corrosivity (pH):** 6.9

### TEST PERFORMED:
- **TCLP-Metals (mg/L):**
  - Ba (.8)
  - Pb (1)
  - Cr (.2)
  - Hg (.21)

### ANALYTICAL RESULTS:
- **TCLP-Volatiles (mg/L):** Not performed

<table>
<thead>
<tr>
<th>Major Components (%)</th>
<th>Hydrocarbons</th>
<th>Alkyl Benzenes</th>
<th>Cellosolve Acetate</th>
<th>Toluene, Ethylbenzene and Xylene</th>
<th>Unknown Acid Ester</th>
<th>Butyl Cellosolve Acetate</th>
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</thead>
<tbody>
<tr>
<td>Organic/Paint solid</td>
<td>(100)</td>
<td>(65)</td>
<td>(13)</td>
<td>(10)</td>
<td>(5)</td>
<td>(1)</td>
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</tbody>
</table>

### HAZARDOUS WASTE CHARACTERISTICS:
- **Corrosive**
- **Ignitable**
- **Reactive**
- **TCLP Toxic**

### COMMENTS:
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SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2535
Date Sampled: 6 Aug 91
Base Sample Number: GT912535

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 96.8
Reactivity (mg/L) Not performed
Corrosivity (pH) 7.0

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ba (3.6)
- Pb (1.5)
- Se (.2)
- Cr (1)
- Hg (.04)
- Ag (.11)
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Akyl Benzenes (50)
- Hydrocarbons (44)
- Toluene, Ethylbenzene and Xylene (5)
- Unknowns (1)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2536
Date Sampled: 6 Aug 91
Base Sample Number: GT912536

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 134.6
Reactivity (mg/L) Not reactive
Corrosivity (pH) 13.2

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
  Pb (29)
  Ag (.03)
  Cr (18)
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
  H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2537
Date Sampled: 6 Aug 91
Base Sample Number: GT912537

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed
Major Components (%):
Hydrocarbons (100)
Total Organic Halides (mg/L): None detected
Energy Recovery
Total Metals (mg/L): None detected
PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2538
Date Sampled: 6 Aug 91
Base Sample Number: GT912538

ANALYSIS REQUESTED:
✓ Flash Point (FP)
✓ Reactivity (Rx)
✓ Corrosivity (pH)
✓ TCLP-Metals
✓ TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 13.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Ar (.5) Se (.6)
Pb (.2)
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
✓ Corrosive Ignitable Reactive TCLP Toxic ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2539
Date Sampled: 5 Aug 91
Base Sample Number: GT912539

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 71.6
Reactivity (mg/L) Not reactive
Corrosivity (pH) 9.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
- Benzene (.05)
- Methyl ethyl ketone (1.2)
- Cresol (Total) (<3)

Major Components (%):
- Hydrocarbons (98)
- Xylenes (2)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2540
Date Sampled: 6 Aug 91
Base Sample Number: GT912540

ANALYSIS REQUESTED:
- x Flash Point (FP)
- _ Reactivity (Rx)
- _ Corrosivity (pH)
- _ TCLP-Metals
- _ TCLP-Volatiles
- x Major Components (%)
- x Halogens
- x Energy Recovery-Metals
- _ PCB
- _ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 125.6
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
2-Butoxy Ethanol (98)
Alkyl Benzene and Toluene (2)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- _ Corrosive
- _ Ignitable
- _ Reactive
- _ TCLP Toxic
- _ ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2542
Date Sampled: 6 Aug 91
Base Sample Number: GT912542

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F): 68
- Reactivity (mg/L): Not performed
- Corrosivity (pH): Not performed

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L): Not performed

TCLP-Volatiles (mg/L): Not performed

Major Components (%):

- Organic (100): Hydrocarbons (73)
  - Toluene, Ethylbenzene and Xylene (14)
  - Propanoic Acid, 2- Methy1 Propal Ester (13)

Total Organic Halides (mg/L): None detected

Energy Recovery

Total Metals (mg/L): None detected

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2544
Date Sampled: 6 Aug 91
Base Sample Number: GT912544

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Organic (100): Hydrocarbons (95)
BIS Dimethyl Phenols (5)

Total Organic Halides (mg/L): None detected

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg):
Aroclor 1260 (10)

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2546
Date Sampled: 7 Aug 91
Base Sample Number: GT912546

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.2

TEST PERFORMED:
TCLP-Metals (mg/L):
- Ar (.5)
- Ag (.08)
- Cd (.82)
- Pb (.82)
- Se (.4)

TCLP-Volatiles (mg/L):
Total Cresol (<1)

Major Components (%):
- H20 (<100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
LOCATION (bldg): 3055
Drum Number/s: 2547
Date Sampled: 6 Aug 91
Base Sample Number: GT912547

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 6.9

TEST PERFORMED:

TCLP-Metals (mg/L):
- Se (.1)
- Ag (.03)

TCLP-Volatiles (mg/L):
- Total Cresol (<1)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2548
Date Sampled: 6 Aug 91
Base Sample Number: GT912548

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 6.2

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Ag (.04)

TCLP-Volatiles (mg/L):
Total Cresol (<1)

Major Components (%): Not performed
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2550
Date Sampled: 6 Aug 91
Base Sample Number: GT912550

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F) < 60.8
- Reactivity (mg/L) Not performed
- Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:

- TCLP-Metals (mg/L): Not performed
- TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Alkyl Naphthalene (87)

Total Organic Halides (mg/L): Not performed

Energy Recovery
- Total Metals (mg/L):
  - Cd (1.7)
  - Pb (1)

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2551
Date Sampled: 6 Aug 91
Base Sample Number: GT912551

ANALYSIS REQUESTED:
- x Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- x Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) > 140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (98)
- Tolune (2)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L):
- Cd (1)
- Pb (7)

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2552
Date Sampled: 6 Aug 91
Base Sample Number: GT912552

ANALYSIS REQUESTED:

--- Flash Point (FP)    --- Major Components(%)
--- Reactivity (Rx)     --- Halogens
--- Corrosivity (pH)   --- Energy Recovery-Metals
--- TCLP-Metals        --- PCB
--- TCLP-Volatiles     --- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 5.8

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
  Benzene (.13)
  Cresol (Total) (2)
Major Components:
  THydrocarbons 196 mg/g
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

--- Corrosive --- Ignitible --- Reactive --- TCLP Toxic
--- ER Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
SHEMEYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2553
Date Sampled: 6 Aug 91
Base Sample Number: GT912553

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles
- [x] Major Components (%)
  - [x] HALogens
  - [ ] Energy Recovery-Metals
  - [ ] PCB
  - [ ] Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 57.2
Reactivity (mg/L) Not reactive
Corrosivity (pH) 6.0

TEST PERFORMED:
TCLP-Metals (mg/L):
- Se (.2)

TCLP-Volatiles (mg/L):
- Benzene (.9)
- Cresol (Total) (14)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- [ ] Corrosive
- [x] Ignitable
- [x] Reactive
- [x] TCLP Toxic
- [ ] ER Criteria Exceeded

COMMENTS:
2,4-Dintrotoluene, Hexachloroethane and Pentachlorophenol can not be reported due to 0% recovery in the matrix spike sample.
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2554
Date Sampled: 6 Aug 91
Base Sample Number: GT912554

ANALYSIS REQUESTED:

Flash Point (FP)  x  Major Components(%)  
Reactivity (Rx)  Halogens  
Corrosivity (pH)  Energy Recovery-Metals  
TCLP-Metals  PCB  
TCLP-Volatiles  Other  

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) Not performed
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L): Not performed

TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Hydrocarbons (88)
Alkyl Naphthalenes (12)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

Corrosive  Ignitable  Reactive  TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2701
Date Sampled: 6 Aug 91
Base Sample Number: GT912701

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.0

TEST PERFORMED:   ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Pb (1)

TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Hydrocarbons (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 270203.04
Date Sampled: 7 Aug 91
Base Sample Number: GT912702

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 5.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ba (.6)
- Ag (.09)
- Pb (.3)

TCLP-Volatiles (mg/L):
- Total cresol (<3)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2705, 06, 07
Date Sampled: 6 Aug 91
Base Sample Number: GT912705

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.7

TEST PERFORMED:
TCLP-Metals (mg/L):
  Ba (.2)
  Ag (.04)
TCLP-Volatiles (mg/L):
  Benzene (.04)
  Cresol (Total) (<1)

ANALYTICAL RESULTS:
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2708
Date Sampled: 6 Aug 91
Base Sample Number: GT912708

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 13.1

TEST PERFORMED:
TCLP-Metals (mg/L):
- Ar (.2)
- Pb (.1)
TCLP-Volatiles (mg/L): Not performed

ANALYTICAL RESULTS:
Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
REPORT OF LABORATORY ANALYSIS FOR SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2709
Date Sampled: 6 Aug 91
Base Sample Number: GT912709

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (94)
- Dimethyl Ethyl Pyridine (3)
- Toluene (2)
- Dimethyl Ethyl Phenol (1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2710
Date Sampled: 6 Aug 91
Base Sample Number: GT912710

ANALYSIS REQUESTED:
- X Flash Point (FP)
- X Reactivity (Rx)
- X Corrosivity (pH)
- X TCLP-Metals
- X TCLP-Volatiles

- X Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 13.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
  Se (.1)  Pb (.2)
  Ag (.06)
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
  H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- X Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2711
Date Sampled: 7 Aug 91
Base Sample Number: GT912711

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 8.1

TEST PERFORMED:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (90)
- Alkyl Napthalenes (10)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:

140
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2712
Date Sampled: 6 Aug 91
Base Sample Number: GT912712

ANALYSIS REQUESTED:
- X Flash Point (FP)
- ___ Reactivity (Rx)
- ___ Corrosivity (pH)
- ___ TCLP-Metals
- ___ TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed
Major Components (%):
- Hydrocarbons (57)
- Hexadecanoic acid (17)
- Hexadecanoic acid (9)
- Unknowns/unknown acids (12)
- Tetradecanoic acid (5)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- ___ Corrosive  ___ Ignitable  ___ Reactive  ___ TCLP Toxic
- ___ Energy Recovery Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2713
Date Sampled: 6 Aug 91
Base Sample Number: GT9 2713

ANALYSIS REQUESTED:
X Flash Point (FP)  X Major Components(%)
--- Reactivity (Rx)  X Halogens
--- Corrosivity (pH)  X Energy Recovery-Metals
--- TCLP-Metals  --- PCB
--- TCLP-Volatiles  --- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED:  ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Hydrocarbons (100)

Total Organic Halides (%): .02

Energy Recovery
Total Metals (mg/L):
Cd (1.1)
Pb (19)

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
--- Corrosive  --- Ignitable  --- Reactive  --- TCLP Toxic
--- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2714
Date Sampled: 6 Aug 91
Base Sample Number: GT912714

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 7.6

TEST PERFORMED:
ANALYTICAL RESULTS:

- TCLP-Metals (mg/L):
  - Ar (1.2) Cr (.2) Se (1.8)
  - Cd (.35) Pb (13) Ag (.15)

- TCLP-Volatiles (mg/L):
  - Total Cresol (<30)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
2,4-Dintrotoleuc-e, Hexachloroethane and Pentachlorophenol cannot be reported due to 0% recovery in the matrix spike sample
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2715
Date Sampled: 6 Aug 91
Base Sample Number: GT912715

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 5.3

TEST PERFORMED:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Mehtyl ethyl ketone (20)
- Benzenene (9.2)
- Cresol (Total) (<1)

Major Components (%):
- H2O (60)
- Organic (40): Hydrocarbons (89)
  - Akayl Naphthalenes (11)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2716
Date Sampled: 6 Aug 91
Base Sample Number: GT912716

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (1.0)
- Cd (0.09)
- Pb (4.2)
- Ag (0.11)
- Ba (9.5)
- Cr (0.2)
- Se (1.9)
TCLP-Volatiles (mg/L):
- Mehtyl ethyl ketone (0.8)
- Cresol (Total) (<3)
Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
2,4 Dinitrotoluene, Hexachloroehthane and Pentachlorophenol cannot be reported due to 0% recovery in the matrix spike sample.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2717
Date Sampled: 7 Aug 91
Base Sample Number: GT912717

ANALYSIS REQUESTED:
___ Flash Point (FP)  ___ Major Components (%)
___ Reactivity (Rx)  ___ Halogens
x Corrosivity (pH)  ___ Energy Recovery-Metals
x TCLP-Metals  ___ PCB
x TCLP-Volatiles  ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not performed
Corrosivity (pH) 8.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Se (.1) Pb (.2)
Ba (.1) Ag (.1)
TCLP-Volatiles (mg/L):
Total Cresol (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive  ___ Ignitable  ___ Reactive  ___ TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2718
Date Sampled: 7 Aug 91
Base Sample Number: GT912718

ANALYSIS REQUESTED:
- x Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <77
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (89)
- Toluene (6)
- Unknown ketone (3)
- Xylenes and Ethyl Benzene (2)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- x Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2720
Date Sampled: 7 Aug 91
Base Sample Number: GT912720

ANALYSIS REQUESTED:
- Flash Point (FP)  
- Reactivity (Rx)  
- Corrosivity (pH)  
- TCLP-Metals  
- TCLP-Volatiles  
- Major Components(%)  
- Halogens  
- Energy Recovery-Metals  
- PCB  
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.3

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
Benzene (2600)
Mehtyl ethyl ketone (2000)
Cresol (Total) (<30)

Major Components (%):
- Hydrocarbons (51)
- Xylene and Ethyl Benzene (20)
- Tolune (14)
- Alkyl Benzenes (12)
- Alkyl Naphthalenes (3)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive  
- Ignitable  
- Reactive  
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 27210
Date Sampled: 7 Aug 91
Base Sample Number: GT912721

ANALYSIS REQUESTED:
x Flash Point (FP)
x Reactivity (Rx)
_x Corrosivity (pH) 
_x TCLP-Metals
_x TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 136.4
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.6

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Ar (1.2)  Cd (.17)  Pb (9.5)  Ag (.19)
Ba (2.1)  Cr (.3)  Se (2.4)
TCLP-Volatiles (mg/L):
Mehtyl ethyl ketone (7.3)

Major Components (%):
H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
_x Corrosive  x Ignitable  ____ Reactive  x TCLP Toxic
___ ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2722
Date Sampled: 7 Aug 91
Base Sample Number: GT912722

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 6.5

TEST PERFORMED:

- TCLP-Metals (mg/L):
  - Ba (.5)
  - Se (.4)

- TCLP-Volatiles (mg/L):
  - Methyl ethyl ketone (.7)
  - Cresol (Total) (<1)

Major Components (%):
  - H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

Location (bldg):
Drum Number/s:
Date Sampled:
Base Sample Number:

ANALYSIS REQUESTED:

Flash Point (FP)
Reactivity (Rx)
Corrosivity (pH)
TCLP-Metals
TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F)
Reactivity (mg/L)
Corrosivity (pH)

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):

TCLP-Volatiles (mg/L):

Major Components (%):

Total Organic Halides (mg/L):

Energy Recovery
Total Metals (mg/L):

PCB (mg/Kg):

HAZARDOUS WASTE CHARACTERISTICS:

Comments:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2724
Date Sampled: 7 Aug 91
Base Sample Number: GT912724

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (.9)
- Se (1.1)
- Ba (.5)
TCLP-Volatiles (mg/L): None detected

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055 __________
Drum Number/s: 2725 __________
Date Sampled: 7 Aug 91 __________
Base Sample Number: GT912725 __________

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 118.4
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (53)
- Toluene, Ethylbenzene and Xylene (23)
- Cellosolve Acetates (11)
- Alkyl Benzenes (10)
- Alkyl Naphthlines (3)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L):
- Cd (.5)
- Pb (7)

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE  
BROOKS AIR FORCE BASE, TEXAS 78235-5000  
REPORT OF LABORATORY ANALYSIS FOR  
SHEMYA AFB, AK

**GENERAL INFORMATION**

- **Location (bldg):** 3055
- **Drum Number/s:** 2726
- **Date Sampled:** 7 Aug 91
- **Base Sample Number:** GT912726

**ANALYSIS REQUESTED:**

- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Halogens
- Energy Recovery-Metals
- PCB
- Other

**PHYSICAL CHARACTERISTIC OF WASTE:**

- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 10.0

**TEST PERFORMED:**

**ANALYTICAL RESULTS:**

<table>
<thead>
<tr>
<th>TCLP-Metals (mg/L):</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ar (.4)</td>
<td>Cd (.05)</td>
<td>Pb (.5)</td>
<td>Ag (.06)</td>
<td></td>
</tr>
<tr>
<td>Ba (.1)</td>
<td>Cr (.2)</td>
<td>Se (1.2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TCLP-Volatiles (mg/L):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cresol (Total) (&lt;50)</td>
</tr>
</tbody>
</table>

- **Major Components (%):** H2O (100)

- **Total Organic Halides (mg/L):** Not performed

- **Energy Recovery**
  - **Total Metals (mg/L):** Not performed

- **PCB (mg/Kg):** Not performed

**HAZARDOUS WASTE CHARACTERISTICS:**

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

**COMMENTS:**
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2727
Date Sampled: 7 Aug 91
Base Sample Number: GT912727

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 8.0

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): None detected
- TCLP-Volatiles (mg/L): None detected

Major Components (%):
- H2O (95)
- Hydrocarbons (5)

Total Organic Halides (mg/L): Not performed

Energy Recovery
- Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2728
Date Sampled: 7 Aug 91
Base Sample Number: GT912728

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%):

- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) Not performed
Reactivity (mg/L) Not performed
Corrosivity (pH) 6.9

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):
- Ar (.1) Cr (.9) Ag (.09)
- Ba (1.2) Pb (3.8)

TCLP-Volatiles (mg/L): Not performed

Major Components (%):
Organic Paint Solid (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2729
Date Sampled: 7 Aug 91
Base Sample Number: GT912729

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <62.6
Reactivity (mg/L) Not reactive
Corrosivity (pH) 8.3

TEST PERFORMED:
TCLP-Metals (mg/L):
- Ba (2)

TCLP-Volatiles (mg/L):
- Cresol (Total) (<30)

Major Components (%):
- H2O (80)
- Organic (20): Methoxyethoxy Ethoxyethanol (40)
  Methoxyethoxy Ethanol (26)
  Butoxyethoxy Ethanol (16)
  Cellosoloves (16)
  Methylene Chloride (1)
  Unknown (1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number(s): 2732
Date Sampled: 7 Aug 91
Base Sample Number: GT912732

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) Not performed
- Reactivity (mg/L) Not performed
- Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not performed
- TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (82)
- Akyle Benzenes (14)
- Akyle Naphthalenes (3)
- Naphthalenes (1)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
**GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>Location (bldg):</th>
<th>3055</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum Number/s:</td>
<td>2733</td>
</tr>
<tr>
<td>Date Sampled:</td>
<td>7 Aug 91</td>
</tr>
<tr>
<td>Base Sample Number:</td>
<td>GT912733</td>
</tr>
</tbody>
</table>

**ANALYSIS REQUESTED:**

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

**PHYSICAL CHARACTERISTIC OF WASTE:**

- Flash Point (degree F): Not performed
- Reactivity (mg/L): Not reactive
- Corrosivity (pH): 6.8

**TEST PERFORMED:**

- TCLP-Metals (mg/L):
  - Ag (0.07)

- TCLP-Volatiles (mg/L):
  - Total Cresol (<1)

**ANALYTICAL RESULTS:**

- Major Components (%): Not performed

- Total Organic Halides (mg/L): Not performed

- Energy Recovery
  - Total Metals (mg/L): Not performed

- PCB (mg/Kg): Not performed

**HAZARDOUS WASTE CHARACTERISTICS:**

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

**COMMENTS:**

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REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2735
Date Sampled: 7 Aug 91
Base Sample Number: GT912735

ANALYSIS REQUESTED:
  _x_ Flash Point (FP)  _x_ Major Components(%)
  ___ Reactivity (Rx)  ___ Halogens
  ___ Corrosivity (pH)  ___ Energy Recovery-Metals
  ___ TCLP-Metals  ___ PCB
  ___ TCLP-Volatiles  ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) ≤60.8
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
  Hydrocarbons (91)
  Toluene (5)
  Xylenes and Ethylbenzene (4)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
  ___ Corrosive _x_ Ignitable _x_ Reactive ___ TCLP Toxic
  ___ ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION

| Location (bldg):          | 3055          |
| Drum Number/s:            | 2736          |
| Date Sampled:             | 7 Aug 91      |
| Base Sample Number:       | GT912736      |

ANALYSIS REQUESTED:

| x Flash Point (FP)        | x Major Components(%) |
| x Reactivity (Rx)         | Halogens              |
| x Corrosivity (pH)        | Energy Recovery-Metals|
| x TCLP-Metals             | x PCB                 |
| x TCLP-Volatiles          | Other                 |

PHYSICAL CHARACTERISTIC OF WASTE:

| Flash Point (degree F)   | >140          |
| Reactivity (mg/L)        | Not reactive  |
| Corrosivity (pH)         | 10.0          |

TEST PERFORMED:  

<table>
<thead>
<tr>
<th>ANALYTICAL RESULTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCLP-Metals (mg/L):</td>
</tr>
<tr>
<td>Ar (.4)</td>
</tr>
<tr>
<td>Cd (.05)</td>
</tr>
<tr>
<td>Pb (.5)</td>
</tr>
<tr>
<td>Ag (.06)</td>
</tr>
<tr>
<td>Ba (.1)</td>
</tr>
<tr>
<td>Cr (.2)</td>
</tr>
<tr>
<td>Se (1.2)</td>
</tr>
<tr>
<td>TCLP-Volatiles (mg/L):</td>
</tr>
<tr>
<td>Cresol (Total) (15)</td>
</tr>
</tbody>
</table>

Major Components (%):

| H2O (100)              |

Total Organic Halides (mg/L): Not performed

Energy Recovery

Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- x TCLP Toxic
- ER Criteria Exceeded

COMMENTS:

2,4 Dinitrotoluene, Hexachloroethane and Pentachlorophenol cannot be reported due to 0% recovery in the matrix spike sample
**GENERAL INFORMATION**

<table>
<thead>
<tr>
<th>Location (bldg):</th>
<th>3055</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum Number/s:</td>
<td>2737</td>
</tr>
<tr>
<td>Date Sampled:</td>
<td>7 Aug 91</td>
</tr>
<tr>
<td>Base Sample Number:</td>
<td>GT912737</td>
</tr>
</tbody>
</table>

**ANALYSIS REQUESTED:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (FP)</td>
<td></td>
</tr>
<tr>
<td>Reactivity (Rx)</td>
<td></td>
</tr>
<tr>
<td>Corrosivity (pH)</td>
<td></td>
</tr>
<tr>
<td>TCLP-Metals</td>
<td></td>
</tr>
<tr>
<td>TCLP-Volatiles</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Components(%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Halogens</td>
<td></td>
</tr>
<tr>
<td>Energy Recovery-Metals</td>
<td></td>
</tr>
<tr>
<td>PCB</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

**PHYSICAL CHARACTERISTIC OF WASTE:**

| Flash Point (degree F) | 68               |
| Reactivity (mg/L)      | Not performed    |
| Corrosivity (pH)       | 5.7              |

**TEST PERFORMED:**

<table>
<thead>
<tr>
<th>TCLP-Metals (mg/L):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ba (.7)</td>
</tr>
<tr>
<td>Pb (.01)</td>
</tr>
<tr>
<td>Cr (21)</td>
</tr>
<tr>
<td>Se (1.7)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TCLP-Volatiles (mg/L):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not performed</td>
</tr>
</tbody>
</table>

**ANALYTICAL RESULTS:**

**Major Components (%):**

<table>
<thead>
<tr>
<th>Organic Paint Solid (100):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene, Ethylbenzene and Xylene(44)</td>
</tr>
<tr>
<td>Methyl Propyl Acetic Acid Ester (25)</td>
</tr>
<tr>
<td>Hydrocarbons (17)</td>
</tr>
<tr>
<td>4-Methyl-2Pentanone (4)</td>
</tr>
<tr>
<td>Cellosolve Acetate (4)</td>
</tr>
<tr>
<td>Aklyl Benzene (3)</td>
</tr>
<tr>
<td>Unknown Acid Ester (3)</td>
</tr>
</tbody>
</table>

**Total Organic Halides (mg/L):** Not performed

**Energy Recovery**

**Total Metals (mg/L):** Not performed

**PCB (mg/Kg):** Not performed

**HAZARDOUS WASTE CHARACTERISTICS:**

| Corrosive | Ignitable | Reactive | TCLP Toxic | ER Criteria Exceeded |

**COMMENTS:**
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2738
Date Sampled: 7 Aug 91
Base Sample Number: GT912738

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <60.8
Reactivity (mg/L) Not reactive
Corrosivity (pH) 4.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
  - Methyl ethyl ketone (30000)
  - Cresol (Total) (<1)
Major Components (%):
  - H2O (60)
  - Organic (40): Methyl Propyl Ester, Acetic Acid (35)
  - Tolune (25)
  - Hydrocarbons (21)
  - 2-Butanone (7)
  - Unknown Ketone (7)
  - Isopropal Alchol (5)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION:
Location (base/bldg): Waste Accumulation Point
Drum Number/s: 2739
Date Sampled: 7 Aug 91
Base Sample Number: GT912739

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

X Flash Point (FP)  x Major Components(X)
X Reactivity (Rx)  Halogens
X Corrosivity (pH) Energy Recovery-Metals
X TCLP-Metals  PCB
X TCLP-Volatiles  Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F)  86
Reactivity (mg/L)  ND
Corrosivity (pH)  7.6

TEST PERFORMED:
TCLP-Metals (mg/L):
- Ba: 1.9
- Cr: 0.2
- Pb: 1.9
Hg: 1.3
Ag: 0.05

TCLP-Volatiles (mg/L):
Benzene: 0.1

Major Components (%):
Organic: 100%

Total Organic Halides (%):
Not Performed

Energy Recovery
Total Metals (mg/L):
Not Performed

PCB (mg/Kg):
Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2740
Date Sampled: 7 Aug 91
Base Sample Number: GT912740

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:

- Flash Point (degree F) Not performed
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 7.7

TEST PERFORMED:

ANALYTICAL RESULTS:

- TCLP-Metals (mg/L):
  - Ba (.2)
  - Pb (.2)
  - Cd (.06)
  - Ag (.09)
- TCLP-Volatiles (mg/L):
  - Trichloroethlene (.07)
  - Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2541
Date Sampled: 7 Aug 91
Base Sample Number: GT912541

ANALYSIS REQUESTED:
- Flash Point (FP)
- Major Components (%)
- Reactivity (Rx)
- Halogens
- Corrosivity (pH)
- Energy Recovery-Metals
- TCLP-Metals
- PCB
- TCLP-Volatiles
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 122
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (>95)
- Acid or Ester (<5)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
Unable to perform TCLP metal analysis due to matrix interferences
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2741
Date Sampled: 7 Aug 91
Base Sample Number: GC912741

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) <68
Reactivity (mg/L) Not performed
Corrosivity (pH) 6.2

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):
- Ba (1.0)
- Cr (12)
- Cd (0.22)
- Hg (0.11)

TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Organ Paint Solids (100): Hydrocarbons (54)
  - Toluene, Ethylbenzene and Xylene (27)
  - 4-methyl-2-pentanone (12)
  - Alkyl Benzene (7)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION:
Location (base/bldg): Waste Accumulation Point
Drum Number/s: 2743
Date Sampled: 7 Aug 91
Base Sample Number: GT91 2743

ANALYSIS REQUESTED:
- X Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F): 140
Reactivity (mg/L): Not Performed
Corrosivity (pH): Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Hydrocarbons: 90%
- Alkyl Naphthalenes: 10%

Total Organic Halides (%): 0.05

Energy Recovery
Total Metals (mg/L):
- Pb: 1.0
- PCB (mg/Kg):

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
**OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE**
**BROOKS AIR FORCE BASE, TEXAS 78235-5000**
**REPORT OF LABORATORY ANALYSIS FOR**
**SHEMYA AFB, AK**

### GENERAL INFORMATION
- **Location (bldg):** 3055
- **Drum Number/s:** 2744
- **Date Sampled:** 7 Aug 91
- **Base Sample Number:** GT912744

### ANALYSIS REQUESTED:
- **Flash Point (FP)**
- **Reactivity (Rx)**
- **Corrosivity (pH)**
- **TCLP-Metals**
- **TCLP-Volatiles**

### PHYSICAL CHARACTERISTIC OF WASTE:
- **Flash Point (degree F):** 102.2
- **Reactivity (mg/L):** Not reactive
- **Corrosivity (pH):** 13.6

### TEST PERFORMED:
- **TCLP-Metals (mg/L):**
  - Ar (.4)
  - Ag (.16)
  - Ba (.1)
  - Se (1)
- **TCLP-Volatiles (mg/L):**
  - Cresol (Total) (<1)

### ANALYTICAL RESULTS:
- **Total Organic Halides (mg/L):** Not performed
- **Energy Recovery**
  - **Total Metals (mg/L):** Not performed
- **PCB (mg/Kg):** Not performed

### HAZARDOUS WASTE CHARACTERISTICS:
- **Corrosive**
- **Ignitable**
- **Reactive**
- **TCLP Toxic**

### COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2745
Date Sampled: 7 Aug 91
Base Sample Number: GT912745

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 138.2
Reactivity (mg/L) Not reactive
Corrosivity (pH) 10.0

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (0.4)
- Cr (.2)
- Se (.6)
- Cd (.07)
- Pb (0.6)
- Ag (.17)
TCLP-Volatiles (mg/L):
- Mehtyl ethyl ketone (6.5)
- Cresol (Total) (30)
Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
2,4 Dinitrotoluene, Hexachloroehthane and Pentachlorophenol cannot be reported due to 0% recovery in the matrix spike sample
GENERAL INFORMATION

Location (bldg): 3055
Drum Number/s: 2746
Date Sampled: 7 Aug 91
Base Sample Number: GT912746

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%)

Halogens
Energy Recovery-Metals
PCB
Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.4

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):
- Ba (1.7)
- Cd (.07)

TCLP-Volatiles (mg/L):
- Carbon Tetrachloride (0.03)
- Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2747
Date Sampled: 7 Aug 91
Base Sample Number: GT912747

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 6.6

TEST PERFORMED:
TCLP-Metals (mg/L):
Ba (0.1)

TCLP-Volatiles (mg/L):
Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION:
Location (base/bldg): Waste Accumulation Point
Drum Number/s: 2748
Date Sampled: 7 Aug 91
Base Sample Number: GT912748

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 140
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Hydrocarbons: 100%

Total Organic Halides (%): None Detected

Energy Recovery
Total Metals (mg/L):
Cd: 1.4 Cr: 5.0
Pb: 23.0
PCB (mg/Kg): None Detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2749
Date Sampled: 7 Aug 91
Base Sample Number: GT912749

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L):
- Benzene (0.12)
- Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
Unable to analyze for pH
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2751
Date Sampled: 7 Aug 91
Base Sample Number: GT912751

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 6.4

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
Cresol (Total) (<1)

Major Components (%): Not performed
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCP (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2752
Date Sampled: 7 Aug 91
Base Sample Number: GT912752

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) NR #
Corrosivity (pH) 8.7

TEST PERFORMED:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L):
Cresol (Total) (<1)

Major Components (%): Not performed
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
#- Cynide less than 500 mg/kg, unable to determine limit due to interference peaks. Sulfide <1000 also has interference peaks.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2753
Date Sampled: 7 Aug 91
Base Sample Number: GT912753

ANALYSIS REQUESTED:

Flash Point (FP)  Major Components (%)
Reactivity (Rx)  Halogens
Corrosivity (pH)  Energy Recovery-Metals
TCLP-Metals  PCB
TCLP-Volatiles  Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) NR #
Corrosivity (pH) 5.9

TEST PERFORMED: ANALYTICAL RESULTS:

TCLP-Metals (mg/L):
Ba (.9)

TCLP-Volatiles (mg/L):
Mehtyl ethyl ketone (1.4)
Nitrobenzene (.61)
Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive  Ignitable  Reactive  TCLP Toxic
ER Criteria Exceeded

COMMENTS:
#- Cynide less than 500 mg/kg, unable to determine limit due to interference peaks. Sulfide <1000 also has interference peaks.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2754
Date Sampled: 7 Aug 91
Base Sample Number: GT912754

ANALYSIS REQUESTED:
• Flash Point (FP)
• Reactivity (Rx)
• Corrosivity (pH)
• TCLP-Metals
• TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <68
Reactivity (mg/L) Not performed
Corrosivity (pH) 6.8

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
  Ba (.3)
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
  Toluene, Xylenes and Ethylbenzene (59)
  Propanoic Acid, Ethoxy Ethyl Ester (26)
  Methyl Pentanone (6)
  Hydrocarbons (5)
  Acetic Acid Ester (4)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
  • Corrosive  • Ignitable  • Reactive  • TCLP Toxic
  • ER Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2755, 56
Date Sampled: 7 Aug 91
Base Sample Number: GT912755

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Major Components (%)
- [x] Reactivity (Rx)
- [x] Halogens
- [x] Corrosivity (pH)
- [x] Energy Recovery-Metals
- [x] TCLP-Metals
- [x] PCB
- [x] TCLP-Volatiles
- [x] Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not performed
- Corrosivity (pH) Not performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (100)

Total Organic Halides (%): <0.02

Energy Recovery
Total Metals (mg/L):
- Ar (1)
- Pb (2)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- [ ] Corrosive
- [ ] Ignitable
- [ ] Reactive
- [ ] TCLP Toxic
- [ ] ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055  
Drum Number/s: 2757  
Date Sampled: 6 Aug 91  
Base Sample Number: GT912757

ANALYSIS REQUESTED:
- Flash Point (FP)  
- Reactivity (Rx)  
- Corrosivity (pH)  
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140  
Reactivity (mg/L) Not reactive  
Corrosivity (pH) 7.5

TEST PERFORMED:  
ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (0.3)  
- Cr (0.07)  
- Se (0.6)  
- Cd (0.06)  
- Pb (0.6)  
- Ag (0.24)
TCLP-Volatiles (mg/L):
- Cresol (Total) (<1)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Rg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive  
- Ignitable  
- Reactive  
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2759
Date Sampled: 7 Aug 91
Base Sample Number: GT912759

ANALYSIS REQUESTED:
- [x] Flash Point (FP)
- [x] Reactivity (Rx)
- [x] Corrosivity (pH)
- [x] TCLP-Metals
- [x] TCLP-Volatiles

Major Components (%):

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.0

TEST PERFORMED:
TCLP-Metals (mg/L):
- Ba (.3)

TCLP-Volatiles (mg/L):
- Cresol (Total) (<1)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE  
BROOKS AIR FORCE BASE, TEXAS 78235-5000  
REPORT OF LABORATORY ANALYSIS FOR  
SHEMYA AFB, AK

GENERAL INFORMATION  
Location (bldg): 3055  
Drum Number/s: 2760  
Date Sampled: 6 Aug 91  
Base Sample Number: GT912760

ANALYSIS REQUESTED:  
- Flash Point (FP)  
- Reactivity (Rx)  
- Corrosivity (pH)  
- TCLP-Metals  
- TCLP-Volatiles  

PHYSICAL CHARACTERISTIC OF WASTE:  
- Flash Point (degree F) 89.6  
- Reactivity (mg/L) Not performed  
- Corrosivity (pH) Not performed

TEST PERFORMED:  
- TCLP-Metals (mg/L):  
  - Pb (29)  
  - Ag (.03)  
  - Cr (18)  
- TCLP-Volatiles (mg/L): Not performed

ANALYTICAL RESULTS:  
- Major Components (%):  
  - Hydrocarbons (81)  
  - Toluene, Ethylbenzene and Xylene (11)  
  - Akayl Benzenes (6)  
  - Octadecanoic Acid Methyl Ester (2)  
  - Total Organic Halides (mg/L): Not performed

- Energy Recovery
- Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:  
- Corrosive  
- Ignitable  
- Reactive  
- TCLP Toxic ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2762
Date Sampled: 6 Aug 91
Base Sample Number: GT912762

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) <62.6
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 5.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (0.1) Ag (.12)
- Pb (0.3)

TCLP-Volatiles (mg/L):
- Benzene (.29)
- Mehtyl ethyl ketone (1.3)
- Cresol (Total) (<5)

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
- Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

ER Criteria Exceeded

COMMENTS:
2,4 Dinitrotoluene, Hexachloroethane and Pentachlorophenol can not be reported due to 0% recovery in the matrix spike sample.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2763
Date Sampled: 7 Aug 91
Base Sample Number: GT912763

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not performed
Corrosivity (pH) Not performed

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not performed
TCLP-Volatiles (mg/L): Not performed

Major Components (%):
- Hydrocarbons (82)
- Alkyl Naphthalenes (10)
- Alkyl Benzenes (5)
- Tolunes and Xylenes (3)
Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2764
Date Sampled: 6 Aug 91
Base Sample Number: GT912764

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 10.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ar (.4)
- Se (.9)
- Pb (.3)
- Ag (.06)
TCLP-Volatiles (mg/L): Not performed
Cresol (Total) (<5)

Major Components (%):
- H20 (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
2,4-Dintrotoleune, Hexachloroethane and Pentachlorophenol can not be reported due to 0% recovery in the matrix spike sample
GENERAL INFORMATION:
Location (base/bldg): Bldg 3055
Drum Number/s: 2765
Date Sampled: 7 Aug 91
Base Sample Number: GT91 2765

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 134.6
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
TCLP-Metals (mg/L): Not Performed

* TCLP-Volatiles (mg/L):
Not Performed

Major Components (%):
- Hydrocarbons: 79%
- Alkyl Naphthalenes: 16%
- Alkyl Benzenes: 5%

Total Organic Halides (%):
None Detected

Energy Recovery
Total Metals (mg/L): None Detected

PCB (mg/Kg):
None Detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
* Quantity not sufficient for analysis
Note: Analysis performed for Energy Recovery and TCLP. Test failed for TCLP only.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2768
Date Sampled: 7 Aug 91
Base Sample Number: GT912768

ANALYSIS REQUESTED:
Flash Point (FP)  x  Major Components (%)
Reactivity (Rx)   x  Halogens
Corrosivity (pH) x  Energy Recovery-Metals
TCLP-Metals      x  PCB
TCLP-Volatiles   __  Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L)  Not reactive
Corrosivity (pH)  8.0

TEST PERFORMED:
TCLP-Metals (mg/L):
  Ba (.4)  Pb (.2)
  Cd (.06)  Ag (.02)

TCLP-Volatiles (mg/L):
  Cresol (Total)  (<1)

Major Components (%): Sample is soil

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg):
  Aroclor 1248 (27)

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive  Ignitable  Reactive  TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2769
Date Sampled: 7 Aug 91
Base Sample Number: GT912769

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 3.7

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg, L):
  Ba (.9)
  Pb (.1)
TCLP-Volatiles (mg/L):
  Cresol (Total) (<1)

Major Components (%):
  H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
Nitrobenzene can not be reported due to 0% recovery in the matrix spike sample.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number(s): 2770
Date Sampled: 7 Aug 91
Base Sample Number: GT912770

ANALYSIS REQUESTED:
__ Flash Point (FP)  X Major Components (%)
 X Reactivity (Rx)   ___ Halogens
 X Corrosivity (pH)  ___ Energy Recovery-Metals
 X TCLP-Metals           X PCB
 X TCLP-Volatiles         ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (m¿/L) Not reactive
Corrosivity (pH) 6.9

TEST PERFORMED:
TCLP-Metals (mg/L):
 Ba (.3)
 Pb (.2)

TCLP-Volatiles (mg/L):
 Cresol (Total) (<1)
 Total Hydrocarbons (27.2 mg/g)

Major Components (%): Sample is soil

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg):
 Aroclor 1242 (28)
 Aroclor 1254 (7.6)

HAZARDOUS WASTE CHARACTERISTICS:
__ Corrosive  ___ Ignitable  ___ Reactive  ___ TCLP Toxic
 ER Criteria Exceeded

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
SHEMYA AFB, AK

GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2771
Date Sampled: 7 Aug 91
Base Sample Number: GT912771

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >140
Reactivity (mg/L) Not reactive
Corrosivity (pH) 6.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ba (2.7)
- Se (.1)
- Pb (.1)
- Ag (.1)
TCLP-Volatiles (mg/L): Not performed
- Cresol (Total) (<1)

Major Components (%):
- H2O (80)
- Paint solids (20)

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): Not performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
REPORT OF LABORATORY ANALYSIS FOR

GENERAL INFORMATION
Location (bldg): 3055
Drum Number(s): 2772
Date Sampled: 8 Aug 91
Base Sample Number: GT912772

ANALYSIS REQUESTED:

Flash Point (FP)  Major Components (%)
Reactivity (Rx)    Halogens
Corrosivity (pH)  Energy Recovery-Metals
TCLP-Metals       PCB
TCLP-Volatiles    Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L)     Not reactive
Corrosivity (pH)      9.5

TEST PERFORMED:
TCLP-Metals (mg/L):
  Ba (1.2)   Pb (.5)
  Cr (.2)

TCLP-Volatiles (mg/L):
  Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive  Ignitable  Reactive  TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
- Location (bldg): 3055
- Drum Number(s): 2773
- Date Sampled: 9 Aug 91
- Base Sample Number: GT912773

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >140
- Reactivity (mg/L) Not reactive
- Corrosivity (pH) 7.5

TEST PERFORMED: ANALYTICAL RESULTS:

<table>
<thead>
<tr>
<th>TCI - Metals (mg/L):</th>
<th>Major Components(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ag (.32) Cd (.4) Pb (.4) Ag (.22)</td>
<td>Halogens</td>
</tr>
<tr>
<td>Ba (.4) Cr (.2) Se (.6)</td>
<td>Energy Recovery-Metals</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TCLP-Volatiles (mg/L):</th>
<th>PCB</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cresol (Total) (&lt;1)</td>
<td>Not performed</td>
<td></td>
</tr>
</tbody>
</table>

Major Components (%):
- H2O (100)

Total Organic Halides (mg/L): Not performed

Energy Recovery
- Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
- Nitrobenzene can not be reported due to 0% recovery of matrix spike sample.
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2774
Date Sampled: 8 Aug 91
Base Sample Number: GC912774

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%): Not performed
Halogens: Not performed
Energy Recovery-Metals: Not reactive
PCB: Not reactive
Other: Not reactive

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F): Not performed
- Reactivity (mg/L): Not reactive
- Corrosivity (pH): 9.5

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Ba (1.2) Cr (.4)
- Cd (.09) Se (.1)
TCLP-Volatiles (mg/L):
- Cresol (Total) (<1)

Major Components (%): Not performed
Total Organic Halides (mg/L): Not performed
Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 277576
Date Sampled: 8 Aug 91
Base Sample Number: GT912775

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 5.7

TEST PERFORMED:
TCLP-Metals (mg/L):
- Ba (.3)
- Ag (.03)
TCLP-Volatiles (mg/L):
- Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2777
Date Sampled: 8 Aug 91
Base Sample Number: GT912777

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F): Not performed
- Reactivity (mg/L): Not reactive
- Corrosivity (pH): 5.7

TEST PERFORMED:
- TCLP-Metals (mg/L):
  - Ar (0.1) Pb (0.2)
  - Ba (0.2) Ag (0.08)
- TCLP-Volatiles (mg/L):
  - Cresol (Total) (<1)

ANALYTICAL RESULTS:
- Major Components (%): Not performed
- Total Organic Halides (mg/L): Not performed
- Energy Recovery
  - Total Metals (mg/L): Not performed
  - PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- ER Criteria Exceeded

COMMENTS:
GENERAL INFORMATION
Location (bldg): 3055
Drum Number/s: 2778
Date Sampled: 8 Aug 91
Base Sample Number: GT912778

ANALYSIS REQUESTED:
Flash Point (FP) Major Components (%)
Reactivity (Rx) Halogens
Corrosivity (pH) Energy Recovery-Metals
TCLP-Metals PCB
TCLP-Volatiles Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not performed
Reactivity (mg/L) Not reactive
Corrosivity (pH) 7.0

TEST PERFORMED:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
  Ba (.2) Ag (.05)
  Pb (.5)
TCLP-Volatiles (mg/L):
  Cresol (Total) (<1)

Major Components (%): Not performed

Total Organic Halides (mg/L): Not performed

Energy Recovery
Total Metals (mg/L): Not performed

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive Ignitable Reactive TCLP Toxic
ER Criteria Exceeded

COMMENTS:
APPENDIX E

Galena Airport Waste Characterization Results
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2570
Date Sampled: 6 Aug 91
Base Sample Number: GT912570

ANALYSIS REQUESTED:
- **X** Flash Point (FP)
- **X** Major Components (%)
- **X** Reactivity (Rx)
- **X** Halogens
- **X** Corrosivity (pH)
- **X** Energy Recovery-Metals
- **X** TCLP-Metals
- **X** PCB
- **X** TCLP-Volatiles
- **X** Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Performed
Corrosivity (pH) 5.4

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): None detected

Major Components (%):
- Top (2): >99% Petroleum Hydrocarbons
- Bottom (98): 98% H2O, 2% Petroleum Hydrocarbons

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- **X** Corrosive
- **X** Ignitable
- **X** Reactive
- **X** TCLP Toxic

COMMENTS: 198
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2571
Date Sampled: 6 Aug 91
Base Sample Number: GT912571

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F): Not Performed
Reactivity (mg/L): Not Performed
Corrosivity (pH): Not Performed

TEST Performed:
- TCLP-Metals (mg/L):
  None detected

ANALYTICAL RESULTS:
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Not Performed
- Total Organic Halides (mg/L): Not Performed
- Energy Recovery
- Total Metals (mg/L): Not Performed
- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2572
Date Sampled: 6 Aug 91
Base Sample Number: GT912572

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) <80
- Reactivity (mg/L) Not Performed
- Corrosivity (pH) Not Performed

TEST Performed :
ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): None detected
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Not Performed
- Total Organic Halides (mg/L): Not Performed
- Energy Recovery
- Total Metals (mg/L): Not Performed
- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2573
Date Sampled: 6 Aug 91
Base Sample Number: GT912573

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >200
- Reactivity (mg/L) Not Performed
- Corrosivity (pH) Not Performed

TEST Performed:
ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): None detected
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Not Performed
- Total Organic Halides (mg/L): Not Performed
- Energy Recovery
- Total Metals (mg/L): Not Performed
- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2574
Date Sampled: 6 Aug 91
Base Sample Number: GT912574

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Performed
Corrosivity (pH) 7.2

TEST Performed:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- 83% H2O
- 17% Ethylene Glycol

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2575
Date Sampled: 6 Aug 91
Base Sample Number: GT912575

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Performed
Corrosivity (pH) 6.5

TEST PERFORMED:

ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Top: (5) >99% Petroleum Hydrocarbons
Bottom (95) >99% H2O

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2576
Date Sampled: 6 Aug 91
Base Sample Number: GT912576

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) < 80
Reactivity (mg/L) Not Performed
Corrosivity (pH) 6.8

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Top(5): >99% Petroleum Hydrocarbons
- Bottom (95): >99 H20

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
### General Information
- **Location (bldg):** CES Power Plant
- **Drum Number/s:** 2578
- **Date Sampled:** 6 Aug 91
- **Base Sample Number:** GT912578

### Analysis Requested:
- **Flash Point (FP):** Not Performed
- **Reactivity (Rx):** Not Performed
- **Corrosivity (pH):** Not Performed
- **TCLP-Metals:** Not Performed
- **TCLP-Volatiles:** Not Performed

### Physical Characteristic of Waste:
- **Flash Point (degree F):** Not Performed
- **Reactivity (mg/L):** Not Performed
- **Corrosivity (pH):** Not Performed

### Test Performed:
- **ANALYTICAL RESULTS:**
  - **TCLP-Metals (mg/L):** Not Performed
  - **TCLP-Volatiles (ug/kg):** Not Performed

- **BTEX (EPA 8020 Method used):**
  - Benzene 400
  - Ethyl-Benzene 400
  - Toluene 900
  - Xylene .8

- **Major Components (mg/g):**
  - Total Hydrocarbons (68.5)

- **Total Organic Halides (mg/L):** Not Performed

### Energy Recovery
- **Total Metals (mg/L):** Not Performed

### PCB (mg/Kg):** Not Performed

### Hazardous Waste Characteristics:
- **Corrosive**
- **Ignitable**
- **Reactive**
- **TCLP Toxic**: Not Performed

### Comments:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2579
Date Sampled: 6 Aug 91
Base Sample Number: GT912579

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed:
ANALYTICAL RESULTS:

- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Not Performed
- Total Hydrocarbons (mg/g): 2.76
- Total Organic Halides (mg/L): Not Performed
- Energy Recovery
- Total Metals (mg/L): Not Performed
- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2580
Date Sampled: 6 Aug 91
Base Sample Number: GT912580

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Non reactive
Corrosivity (pH) 12.8

TEST Performed:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed
Major Components (%): Not Performed
Total Organic Halides (mg/L): Not Performed
Energy Recovery
Total Metals (mg/L): Not Performed
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2581
Date Sampled: 6 Aug 91
Base Sample Number: GT912581

ANALYSIS REQUESTED:
X Flash Point (FP)  X Major Components (%)
X Reactivity (Rx)  ___ Halogens
X Corrosivity (pH)  ___ Energy Recovery-Metals
X TCLP-Metals  ___ PCB
___ TCLP-Volatiles  ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Non reactive
Corrosivity (pH) 7.8

TEST Performed:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Top (95): 97% Petroleum Hydrocarbons, 3% H2O
Bottom (5): 99% H2O

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
X Ignitable  X Reactive  X TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2582
Date Sampled: 6 Aug 91
Base Sample Number: GT912582

ANALYSIS REQUESTED:
- **X** Flash Point (FP)
- **X** Major Components (%)
- **X** Halogens
- **X** Energy Recovery-Metals
- **X** PCB
- **X** Other

ANALYTICAL RESULTS:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%):
  - 94% H2O
  - 6% Inorganic Solids
- Total Organic Halides: 0.0014%
- Energy Recovery
  - Total Metals (mg/L): Not Performed
  - PCB (mg/Kg): NotPerformed

HAZARDOUS WASTE CHARACTERISTICS:
- **__** Corrosive
- **__** Ignitable
- **__** Reactive
- **__** TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2586
Date Sampled: 6 Aug 91
Base Sample Number: GT912586

ANALYSIS REQUESTED:
X Flash Point (FP)  X Major Components(%)  
X Reactivity (Rx)  ___ Halogens
X Corrosivity (pH) ___ Energy Recovery-Metals
X TCLP-Metals ___ PCB
___ TCLP-Volatiles ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Non reactive
Corrosivity (pH) 8.7

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
H2O (>99)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive  ___ Ignitable  ___ Reactive  ___ TCLP Toxic

COMMENTS:
**GENERAL INFORMATION**

- **Location (bldg):** CES Power Plant
- **Drum Number/s:** 2583
- **Date Sampled:** 6 Aug 91
- **Base Sample Number:** GT912583

**ANALYSIS REQUESTED:**
- X Flash Point (FP)
- X Reactivity (Rx)
- X Corrosivity (pH)
- X TCLP-Metals
- ____ TCLP-Volatiles

**PHYSICAL CHARACTERISTIC OF WASTE:**
- **Flash Point (degree F):** >200
- **Reactivity (mg/L):** Non reactive
- **Corrosivity (pH):** 7.5

**TEST Performed:**

**ANALYTICAL RESULTS:**
- **TCLP-Metals (mg/L):**
  - **Pb:** 0.9
  - Others: None detected
- **TCLP-Volatiles (mg/L):** Not Performed

**Major Components (%):**
- **H2O (79)**
- **Ethylene Glycol (21)**

**Total Organic Halides (mg/L):** Not Performed

**Energy Recovery**
- **Total Metals (mg/L):** Not Performed

**PCB (mg/Kg):** Not Performed

**HAZARDOUS WASTE CHARACTERISTICS:**
- ____ Corrosive
- ____ Ignitable
- ____ Reactive
- ____ TCLP Toxic

**COMMENTS:**

211
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2584
Date Sampled: 6 Aug 91
Base Sample Number: GT912584

ANALYSIS REQUESTED:
X Flash Point (FP)
X Reactivity (Rx)
X Corrosivity (pH)
X TCLP-Metals

Major Components (%): H2O (57), Ethylene Glycol (43)

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Non reactive
Corrosivity (pH) 7.4

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
H2O (57)
Ethylene Glycol (43)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive Ignitable Reactive TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2587
Date Sampled: 6 Aug 91
Base Sample Number: GT912587

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Non reactive
Corrosivity (pH) 7.7

TEST Performed : ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Top (5): >99 Petroleum Hydrocarbons
Bottom (95): H2O (98), Petroleum Hydrocarbons (2)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2585
Date Sampled: 6 Aug 91
Base Sample Number: GT912585

ANALYSIS REQUESTED:
X Flash Point (FP) X Major Components(%) 
X Reactivity (Rx) ___ Halogens 
X Corrosivity (pH) ___ Energy Recovery-Metals 
X TCLP-Metals ___ PCB 
___ TCLP-Volatiles ___ Other 

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80 
Reactivity (mg/L) Non reactive 
Corrosivity (pH) 5.8 

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected 
TCLP-Volatiles (mg/L): Not Performed 

Major Components (%):
Top (80): Petroleum Hydrocarbons >99 
Bottom (20): H2O >99 

Total Organic Halides (mg/L): Not Performed 

Energy Recovery 
Total Metals (mg/L): Not Performed 

PCB (mg/Kg): Not Performed 

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive X Ignitable ___ Reactive ___ TCLP Toxic 

COMMENTS: 

214
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2588
Date Sampled: 6 Aug 91
Base Sample Number: GT912588

ANALYSIS REQUESTED:
X Flash Point (FP)  x Major Components(%)  
X Reactivity (Rx)   Halogens  
X Corrosivity (pH)  Energy Recovery-Metals  
X TCLP-Metals  PCB  
TCLP-Volatiles Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Non reactive
Corrosivity (pH)  6.0

TEST PERFORMED:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
H2O >99

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
Corrosive Ignitable Reactive TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2589
Date Sampled: 6 Aug 91
Base Sample Number: GT912589

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Non reactive
Corrosivity (pH) 7.6

TEST PERFORMED: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Top (3): >99 Petroleum Hydrocarbons
Bottom (97): H2O (85), Ethylene Glycol (15)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION

Location (bldg): CES Power Plant
Drum Number/s: 2590
Date Sampled: 6 Aug 91
Base Sample Number: GT912590

ANALYSIS REQUESTED:

- **Flash Point (FP)**
- **Reactivity (Rx)**
- **Corrosivity (pH)**
- **TCLP-Metals**
- **TCLP-Volatiles**

PHYSICAL CHARACTERISTIC OF WASTE:

- **Flash Point (degree F)**: >200
- **Reactivity (mg/L)**: Non reactive
- **Corrosivity (pH)**: 5.6

TEST Performed: ANALYTICAL RESULTS:

- **TCLP-Metals (mg/L):**
  - Pb (.5)

  **TCLP-Volatiles (mg/L):** Not Performed

  **Major Components (%):**
  - H2O >99

  **Total Organic Halides (mg/L):** Not Performed

  **Energy Recovery**
  - **Total Metals (mg/L):** Not Performed

  **PCB (mg/Kg):** Not Performed

HAZARDOUS WASTE CHARACTERISTICS:

- **Corrosive**
- **Ignitable**
- **Reactive**
- **TCLP Toxic**

COMMENTS:

217
### GENERAL INFORMATION
- **Location (bldg):** CES Power Plant
- **Drum Number/s:** 2591
- **Date Sampled:** 6 Aug 91
- **Base Sample Number:** GT912591

### ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

### PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) Not Performed
- Reactivity (mg/L) Not Performed
- Corrosivity (pH) Not Performed

### TEST PERFORMED:
- TCLP-Metals (mg/L): Not Performed
- TCLP-Volatiles (mg/L): Not Performed
- Major Components (%): Not Performed
- Total Organic Halides (mg/L): Not Performed
- Energy Recovery
  - Total Metals (mg/L): Not Performed
- PCB (mg/Kg): Not Performed

### HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

### COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
GALENA AIRPORT, AK

GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2592
Date Sampled: 6 Aug 91
Base Sample Number: GT912592

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed
Major Components (%): Not Performed
Total Organic Halides (mg/L): Not Performed
Energy Recovery
Total Metals (mg/L): Not Performed
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2593
Date Sampled: 5 Aug 91
Base Sample Number: GT912593

ANALYSIS REQUESTED:
____ Flash Point (FP) ______ Major Components(%) 
____ Reactivity (Rx) __ Halogens
____ Corrosivity (pH) __ Energy Recovery-Metals
  x TCP-Metals __ PCB
__ TCLP-Volatiles __ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%): Not Performed

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
____ Corrosive ______ Ignitable ______ Reactive ______ TCP-Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2594
Date Sampled: 6 Aug 91
Base Sample Number: GT912594

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
- Flash Point (degree F) >200
- Reactivity (mg/L) Non reactive
- Corrosivity (pH) 7.5

TEST Performed:
- TCLP-Metals (mg/L):
  Cd (.1)
  Others None detected
- TCLP-Volatiles (mg/L): Not Performed

Analytical Results:

- Major Components (%):
  H2O (53)
  Ethyl Glycol (47)

- Total Organic Halides (mg/L): Not Performed

- Energy Recovery
  Total Metals (mg/L): Not Performed

- PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2595
Date Sampled: 6 Aug 91
Base Sample Number: GT912595

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%): Halogens
Energy Recovery-Metals: PCB
Other:

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Non reactive
Corrosivity (pH) 7.4

TEST PERFORMED:
TCLP-Metals (mg/L): Cr (5.1)
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
4-Methyl-2-Pentanone (>99)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2596
Date Sampled: 6 Aug 91
Base Sample Number: GT912596

ANALYSIS REQUESTED:
___ Flash Point (FP) ___ Major Components (%)
___ Reactivity (Rx) ___ Halogens
___ Corrosivity (pH) ___ Energy Recovery-Metals
   x  TCLP-Metals ___ PCB
___ TCLP-Volatiles ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed:
TCLP-Metals (mg/L):
  Cd (.1)
  Pb (6.8)
TCLP-Volatiles (mg/L): Not Performed

ANALYTICAL RESULTS:
Major Components (%): Not Performed

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive x TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2597
Date Sampled: 6 Aug 91
Base Sample Number: GT912597

ANALYSIS REQUESTED:
___ Flash Point (FP) ___ Major Components(%) ___ Halogens
___ Reactivity (Rx) ___ Energy Recovery-Metals
___ Corrosivity (pH) ___ Other
___ TCLP-Metals ___ PCB
___ TCLP-Volatiles ___

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%): Not Performed

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2598
Date Sampled: 6 Aug 91
Base Sample Number: GT912598

ANALYSIS REQUESTED:
___ Flash Point (FP) ___ Major Components (%)
___ Reactivity (Rx) ___ Halogens
___ Corrosivity (pH) ___ Energy Recovery-Metals
  X  TCLP-Metals ___ PCB
___ TCLP-Volatiles ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed : ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): Not Performed

Major Components (%): Not Performed

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
___ Corrosive ___ Ignitable ___ Reactive ___ TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): CES Power Plant
Drum Number/s: 2599
Date Sampled: 6 Aug 91
Base Sample Number: GT912599

ANALYSIS REQUESTED:

- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST PERFORMED

TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): Not Performed
Major Components (%): Not Performed
Total Organic Halides (mg/L): Not Performed
Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
APPENDIX F

King Salmon Airport Waste Characterization Results
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN90D0131
Date Sampled: 7 Aug 91
Base Sample Number: GT912554

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) Not Performed
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Hydrocarbons (88)
- Alkyl-Naphthalenes (12)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN89TD105
Date Sampled: 7 Aug 91
Base Sample Number: GT912555

ANALYSIS REQUESTED:
- X Flash Point (FP)
- X Reactivity (Rx)
- X Corrosivity (pH)
- X TCLP-Metals
- X TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 6.54

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Cr (0.5)  Hg (0.2)
Pb (2.9)
TCLP-Volatiles (mg/L):
Methyl ethyl ketone (4500)

Major Components (%):
Paint (80)
H2O (20)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive  X Ignitable  __ Reactive  X TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN91T0130
Date Sampled: 7 Aug 91
Base Sample Number: GT912556

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) 120
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Petroleum Hydrocarbons (>99)

Total Organic Halides (%): .00011

Energy Recovery
Total Metals (mg/L): None detected

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN90G0076(55G), AKN90F001(25G),
                AKN90G00017(55G), AKN90G0077
Date Sampled: 7 Aug 91
Base Sample Number: GC912557

ANALYSIS REQUESTED:
X Flash Point (FP)  X Major Components (%)
X Reactivity (Rx)   Halogens
X Corrosivity (pH) Energy Recovery-Metals
X TCLP-Metals      PCB
X TCLP-Volatiles   Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F)  200
Reactivity (mg/L)       None Detected
Corrosivity (pH)        6.91

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
    None Detected
TCLP-Volatiles (mg/L):

    Benzene: 0.3
    Major Components (%):
        Top Layer (20%): 99% Water
        Bottom Layer: (80%): 58% Soil, 38% Water and 4% Petroleum Hydrocarbons
Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
    Corrosive    Ignitable    Reactive    TCLP Toxic

COMMENTS:
GENERAL INFORMATION
   Location (bldg): 5071 CSS Accumulation Point
   Drum Number/s: AKN91D0041
   Date Sampled: 7 Aug 91
   Base Sample Number: GT912558

ANALYSIS REQUESTED:
   X Flash Point (FP)        x Major Components(%)  
   X Reactivity (Rx)         ___ Halogens
   X Corrosivity (pH)       ___ Energy Recovery-Metals
   X TCLP-Metals            ___ PCB
   ___ TCLP-Volatiles       ___ Other

PHYSICAL CHARACTERISTIC OF WASTE:
   Flash Point (degree F) <80
   Reactivity (mg/L) Not Reactive
   Corrosivity (pH) 6.72

TEST Performed:
   ANALYTICAL RESULTS:
   TCLP-Metals (mg/L):
      Cr (1.0)
      Hg (0.03)
   TCLP-Volatiles (mg/L): Not Performed

   Major Components (%):
      Paint (96)
      H2O (4)

   Total Organic Halides (mg/L): Not Performed

   Energy Recovery
   Total Metals (mg/L): Not Performed

   PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
   ___ Corrosive   X Ignitable    ___ Reactive    ___ TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN91M0135
Date Sampled: 7 Aug 91
Base Sample Number: GT912559

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Non reactive
Corrosivity (pH) 8.7

TEST Performed:
TCLP-Metals (mg/L):
- Cd (.2)
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Soil (95)
- Petroleum Hydrocarbons (5)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN90G0135
Date Sampled: 7 Aug 91
Base Sample Number: GT912560

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Non reactive
Corrosivity (pH) 8.4

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
- Cd (.2)
- Hg (.14)
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
- Vermiculite (60)
- H2O (35)
- Petroleum Hydrocarbons (5)
Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
KING SALMON AIRPORT, AK

GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN90G0050
Date Sampled: 7 Aug 91
Base Sample Number: GT912561

ANALYSIS REQUESTED:
X Flash Point (FP)
X Reactivity (Rx)
X Corrosivity (pH)
X TCLP-Metals
X TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Non reactive
Corrosivity (pH) 8.0

TEST Performed:
ANALYTICAL RESULTS:
TCLP-Metals (mg/L):
Cd (.1)
Pb (.6)
TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
Vermiculite (73)
H2O (25)
Petroleum Hydrocarbons (2)
Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
X Ignitable  X Reactive  X TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN91Z0146
Date Sampled: 7 Aug 91
Base Sample Number: GT912562

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 5.95

TEST Performed : ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected
TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O (>99)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN91T0131
Date Sampled: 7 Aug 91
Base Sample Number: GT912563

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 8.35

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): None detected

TCLP-Volatiles (mg/L): None detected

Major Components (%):
H2O (>99)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION
Location (bldg): 5071 CSS Accumulation Point
Drum Number/s: AKN91Z0147
Date Sampled: 7 Aug 91
Base Sample Number: GT9J2564

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Performed
Corrosivity (pH) 6.68

TEST Performed: ANALYTICAL RESULTS:
TCLP-Metals (mg/L): Not Performed
TCLP-Volatiles (mg/L): Not Performed
Major Components (%): Not Performed
Total Organic Halides (mg/L): Not Performed
Energy Recovery
Total Metals (mg/L): Not Performed
PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
Quantity not sufficient for TCLP analysis
GENERAL INFORMATION
Location (bldg): 645
Drum Number/s: N/A
Date Sampled: 7 Aug 91
Base Sample Number: GT912565

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles
- Major Components (%)
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) <80
Reactivity (mg/L) Not Performed
Corrosivity (pH) Not Performed

TEST Performed:
TCLP-Metals (mg/L):
  Cd (.2)

TCLP-Volatiles (mg/L): Not Performed

Major Components (%):
  Petroleum Hydrocarbons (>99)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
  Corrosive Ignitable Reactive TCLP Toxic

COMMENTS:
Waste stream: Naphtha Aliphatic
OCCUPATIONAL ENVIRONMENTAL HEALTH DIRECTORATE
BROOKS AIR FORCE BASE, TEXAS 78235-5000
REPORT OF LABORATORY ANALYSIS FOR
KING SALMON AIRPORT, AK

GENERAL INFORMATION
Location (bldg): Transportation/Maint Shop
Drum Number/s: AKN91T0168
Date Sampled: 7 Aug 91
Base Sample Number: GT912566

ANALYSIS REQUESTED:
- X Flash Point (FP)
- X Reactivity (Rx)
- X Corrosivity (pH)
- X TCLP-Metals
- X TCLP-Volatiles

Major Components (%):
- Halogens
- Energy Recovery-Metals
- PCB
- Other

PHYSICAL CHARACTERISTIC OF WASTE:
Flash Point (degree F) >200
Reactivity (mg/L) Not Reactive
Corrosivity (pH) 7.63

TEST PERFORMED:

ANALYTICAL RESULTS:

TCLP-Metals (mg/L):
- Ba (13)
- Cr (0.8)
- Cd (0.9)
- Pb (22)

TCLP-Volatiles (mg/L):
- Benzene (11)
- Methyl ethyl ketone (42)
- o-Cresol (0.6)

Major Components (%):
- Top (30): Petroleum Hydrocarbons (>99)
- Bottom (70): Ethylene glycol (60)
- H2O (40)

Total Organic Halides (mg/L): Not Performed

Energy Recovery
Total Metals (mg/L): Not Performed

PCB (mg/Kg): Not Performed

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

COMMENTS:
GENERAL INFORMATION

Location (bldg): Spec Purpose Shop/149  
Drum Number/s: AKN91P0072  
Date Sampled: 7 Aug 91  
Base Sample Number: GT912567

ANALYSIS REQUESTED:

- Flash Point (FP)  - Major Components(%)  
- Reactivity (Rx)  - Halogens  
- Corrosivity (pH)  - Energy Recovery-Metals  
- TCLP-Metals  - PCB  
- TCLP-Volatiles  - Other

PHYSICAL CHARACTERISTIC OF WASTE:

Flash Point (degree F) >200  
Reactivity (mg/L) Not Performed  
Corrosivity (pH) Not Performed

TEST Performed : ANALYTICAL RESULTS:

TCLP-Metals (mg/L): Not Performed  
TCLP-Volatiles (mg/L): Not Performed  
Major Components (%): 
Petroleum Hydrocarbons (>99)

Total Organic Halides (%): 0.00021

Energy Recovery  
Total Metals (mg/L): 
Cd (4.2)  
Pb (13)  
Cr (1.9)  
PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:

- Corrosive  - Ignitable  - Reactive  - TCLP Toxic

COMMENTS:  
Cd Exceeded limits
GENERAL INFORMATION
Location (bldg): Special Purpose/149
Drum Number/s: AKN91P0054
Date Sampled: 7 Aug 91
Base Sample Number: GT912568

ANALYSIS REQUESTED:
- Flash Point (FP)
- Reactivity (Rx)
- Corrosivity (pH)
- TCLP-Metals
- TCLP-Volatiles

Major Components (%):
- Petroleum Hydrocarbons (>99)

Total Organic Halides (%): 0.00015

Energy Recovery
Total Metals (mg/L):
- Cd (5.7)
- Cr (4.5)
- Pb (32)

PCB (mg/Kg): None detected

HAZARDOUS WASTE CHARACTERISTICS:
- Corrosive
- Ignitable
- Reactive
- TCLP Toxic
- Energy Recovery Criteria Exceeded

COMMENTS:
Waste stream: waste oil, gas
**GENERAL INFORMATION**

| Location (bldg): | 5099 Work Yard |
| Drum Number/s:   | N/A           |
| Date Sampled:    | 7 Aug 91      |
| Base Sample Number: | GT912569   |

**ANALYSIS REQUESTED:**

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<td>Corrosivity (pH)</td>
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<td>TCLP-Metals</td>
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<tr>
<td>TCLP-Volatiles</td>
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**Major Components (%):**

- Top (20): Petroleum Hydrocarbons (>99)
- Bottom (80): H2O (80), Ethylene Glycol (20)

**Total Organic Halides (mg/L):** Not Performed

**Energy Recovery Metals (mg/L):** Not Performed

**PCB (mg/Kg):** Not Performed

**TEST Performed:**

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<td>Reactivity (mg/L)</td>
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<td>Corrosivity (pH)</td>
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**ANALYTICAL RESULTS:**

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<td>Cr (mg/L)</td>
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<td>Pb (mg/L)</td>
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<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TCLP-Volatiles (mg/L):</td>
<td>None detected</td>
</tr>
</tbody>
</table>

**HAZARDOUS WASTE CHARACTERISTICS:**

- Corrosive
- Ignitable
- Reactive
- TCLP Toxic

**COMMENTS:**

Waste stream: Antifreeze, Diesel, Oil
APPENDIX G

Elmendorf AFB Waste Stream Results
### Waste Stream Analysis Results

<table>
<thead>
<tr>
<th>Waste Stream</th>
<th>Base Sample No.</th>
<th>Date Sampled</th>
<th>Analysis Requested</th>
<th>Major Components</th>
<th>Flash Pt (deg F)</th>
<th>RX mg/L</th>
<th>CORR (pH)</th>
<th>TCLP Metals (mg/L)</th>
<th>TOX %</th>
<th>PCB</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 EMS/MAEFC Corr Control 32-050 TUR CO 5873 Hot Bath</td>
<td>GT912389</td>
<td>910813</td>
<td>TCLP</td>
<td>Water</td>
<td>88</td>
<td>&gt;140</td>
<td>ND</td>
<td>11.4</td>
<td>*Cd = 26</td>
<td>NP</td>
</tr>
<tr>
<td>21 EMS/MAEFC Corr Control 32-050 Nonphenolic Paint, Cold Bath</td>
<td>GT912390</td>
<td>910813</td>
<td>TCLP</td>
<td>Water</td>
<td>100</td>
<td>&gt;140</td>
<td>ND</td>
<td>9.2</td>
<td>*Cd = 0.9</td>
<td>NP</td>
</tr>
<tr>
<td>21 TFW/LTM Heavy Equip 32-141 Floor Sweep</td>
<td>GT912391</td>
<td>910813</td>
<td>TCLP</td>
<td>Solid</td>
<td>NP</td>
<td>NP</td>
<td>NP</td>
<td>ND</td>
<td>NP</td>
<td>NP</td>
</tr>
<tr>
<td>Propulsion 11-110 Brake Fluid</td>
<td>GT912392</td>
<td>910813</td>
<td>Energy Recovery</td>
<td>Ethanol</td>
<td>87</td>
<td>&lt;71.6</td>
<td>ND</td>
<td>NP</td>
<td>NP</td>
<td>0.005</td>
</tr>
<tr>
<td>43 AMU Number 3</td>
<td>GT912393</td>
<td>910813</td>
<td>TCLP</td>
<td>PHC</td>
<td>Water</td>
<td>54</td>
<td>&gt;140</td>
<td>ND</td>
<td>8.1</td>
<td>*Cd = 0.2</td>
</tr>
<tr>
<td>Hospital 54-800 Ethyl Alcohol</td>
<td>GT912394</td>
<td>910813</td>
<td>TCLP</td>
<td>Ethanol</td>
<td>Hydraulic Fluid</td>
<td>95</td>
<td>&lt;71.6</td>
<td>NP</td>
<td>NP</td>
<td>NP</td>
</tr>
</tbody>
</table>

**Notes:**
- * Exceeds TCLP Metal Limits
- ** Exceeds TCLP ignitable, <140 degree F
- # Exceeds ER ignitable criteria, >100 degree F
- TCLP: Toxicity Characteristic Leachate Procedure
- PHC: Petroleum Hydrocarbons
- TOX: Total Organic Halogens
- CORR: Corrosivity
- ND: none detected
- NP: not performed