



DEPARTMENT OF THE AIR FORCE

37TH MEDICAL SQUADRON (TAC)
NELLIS AIR FORCE BASE NV 89191-5000

*SSS of Parkview
Paper developed
and in contact*

*Don Miller
9 Jan 91 (Plz file)*

REF ID: A7702 SGPB

SUBJECT: Toxicity Characterization Results for Classified Materials

*Call
19 Jan*

TO: 37 CES/DE 37 CES/DEEV 37 TFW/MA

1. The components of the classified coatings of the F-117A have been characterized IAW the Environmental Protection Agency's new Toxicity Characteristic Leaching Procedure. Each type of coating, both coated (painted) and uncoated were characterized. Results indicate that cured material does not have to be disposed of as hazardous waste, as defined by Title 40, Code of Federal Regulations, Part 261.3. The material is probably too structurally complex to be burned in the class incinerator owned by the wing and no proper tests have been run to ensure incineration will not cause significant, adverse environmental impact. The disposal method of choice is land burial in a sanitary landfill. Generators of this waste should bear in mind that disposal of any classified material must also be IAW program security requirements. A classified document, Record of Decision for Disposal of Advanced Technology Materials Associated With the F-117A, contains a detailed description of the findings and the decision process for proper disposal. This document also has the data attached and is available for review through 37 Med Sq/SGPB.

2. These results conclude the characterization of all specialized, advanced technology materials associated with the F-117A, including putty-type materials. In their dry state, none of the materials associated with the program are considered hazardous waste. Uncured materials have not been characterized and disposal of these items must follow the guidance of the Environmental Coordinator, 37 CES/DEEV. As a reminder, disposal of all materials must be IAW program security requirements.

3. Any questions can be directed to me at ext 5562.

Keith M Groth

KEITH M. GROTH, Capt, USAF, BSC
Chief, Bioenvironmental Engineering Services

Continued on next Page

Atch 1



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS TACTICAL AIR COMMAND
LANGLEY AIR FORCE BASE VA 23665-

21 JUL 1991

REFLY TO
ATTN OF: DEV

SUBJECT: Tonopah Test Range Radar Absorbent Material (RAM) Disposal Policy (Your Ltr,
19 Jun 91)

TO: 37 CSG/DE

Your letter requested concurrence with your land disposal procedures for RAM. Environmental Protection Agency (EPA) regulations assign the generator of waste materials with the responsibility for determining whether those wastes are hazardous. It appears from your documentation that your Bioenvironmental Engineer made a determination that the waste RAM is not regulated hazardous waste. Therefore, your decision to landfill the RAM would not result in violation of hazardous waste rules and we concur with your disposal procedure.

FOR THE COMMANDER

JAMES N. VERNON
Colonel, USAF
Asst DCS Engineering & Services

cc: 37 TFW/CC
37 CSG/CC

November 19, 1990
Lab ID: 055250



Captain Keith M. Groth
Nellis Air Force Base
Tonopah Test Range
37 MED SQ/SGPB
Nellis AFB, NV 89191-5000

Dear Capt. Groth:

Enclosed is the report for the six solid samples for your Purchase Order Number F2660690MS088, which were received at Enseco-Cal Lab on 16 October 1990.

The report consists of the following sections:

- I Sample Description
- II Analysis Request
- III Quality Control Report
- IV Analysis Results

Please note that all the samples contain some surrogates that were not recovered in the semivolatile TCLP analysis. All six leachates were re-extracted and reanalyzed for semivolatiles, and again, the surrogates were not recovered, thus indicating a matrix interference with the method. The second extraction data was reported. Also, it was noted that the original TCLP leachate was clear upon initial preparation and then turned orange with time.

Samples 055250-0002 and -0004 had higher volatile reporting limits due to the presence of high levels of xylene in the leachate. Xylene is not one of the target compounds.

As requested, the metals were analyzed by the method of standard additions.

If you have any questions, please feel free to call.

Sincerely,


Beth Kelly
Program Administrator

gwm/tld

Enseco Incorporated
2511 Industrial Blvd.
West Sacramento, CA 95691
916/572-1395 Fax: 916/571-8120

Atch 3

I Sample Description

See the attached Sample Description Information.

The samples were received under chain-of-custody.

II Analysis Request

The following analytical tests were requested.

<u>Lab ID</u>	<u>Analysis Description</u>
055250-0001 through 6	Volatile Organics, TCLP Semivolatile Organics, TCLP Selected Metals, TCLP

III Quality Control

- A. Project Specific QC. No project specific QC (i.e., spikes and/or duplicates) was requested.
- B. Method Blank Results. A method blank is a laboratory-generated sample which assesses the degree to which laboratory operations and procedures cause false-positive analytical results for your samples.

No target parameters were detected in the method blanks associated with your samples at the reporting limit levels noted in the attached Method Blank Report.

C. Laboratory Control Samples - The LCS Program

Duplicate Control Samples. A DCS is a well-characterized matrix (blank water, sand or celite) which is spiked with certain target parameters and analyzed at approximately 10% of the sample load in order to establish method-specific control limits. The DCS results associated with your samples are on the attached Duplicate Control Sample Report.

Single Control Samples. An SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g. metals or conventional analyses) a single control sample identical to the DCS serves as the control sample. An SCS is prepared for each sample lot. Accuracy is calculated identically to the DCS. The SCS results associated with your samples are on the attached Single Control Sample Report.

Accuracy is measured by Percent Recovery as in:

$$\% \text{ recovery} = \frac{(\text{measured concentration})}{(\text{actual concentration})} \times 100$$

Precision is measured using duplicate tests by Relative Percent Difference (RPD) as in:

$$\text{RPD} = \frac{(\% \text{ recovery test 1} - \% \text{ recovery test 2})}{(\% \text{ recovery test 1} + \% \text{ recovery test 2})/2} \times 100$$

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/-3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. In cases where there is not enough historical data, EPA limits or advisory limits are set, with the approval of the Quality Assurance department.

IV Analysis Results

Test methods may include minor modifications of published EPA Methods such as reporting limits or parameter lists. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis; i.e., no correction is made for moisture content, unless the method requires or the client requests that such correction be made.

Results are on the attached data sheets.

SAMPLE DESCRIPTION INFORMATION
for
Nellis Air Force Base

Lab ID	Client ID	Matrix	Sampled		Received
			Date	Time	Date
055250-0001-SA	GM900083	WASTE	10 OCT 90		16 OCT 90
055250-0002-SA	GM900084	WASTE	10 OCT 90		16 OCT 90
055250-0003-SA	GM900085	WASTE	10 OCT 90		16 OCT 90
055250-0004-SA	GM900086	WASTE	10 OCT 90		16 OCT 90
055250-0005-SA	GM900087	WASTE	10 OCT 90		16 OCT 90
055250-0006-SA	GM900088	WASTE	10 OCT 90		16 OCT 90

QC LOT ASSIGNMENT REPORT
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
055250-0001-SA	AQUEOUS	624-A	22 OCT 90-01A	29 OCT 90-01A
055250-0002-SA	AQUEOUS	624-A	30 OCT 90-01B	30 OCT 90-01A
055250-0003-SA	AQUEOUS	624-A	30 OCT 90-01B	29 OCT 90-01B
055250-0004-SA	AQUEOUS	624-A	30 OCT 90-01B	30 OCT 90-01A
055250-0005-SA	AQUEOUS	624-A	30 OCT 90-01B	30 OCT 90-01A
055250-0006-SA	AQUEOUS	624-A	30 OCT 90-01B	30 OCT 90-01A

METHOD BLANK REPORT
Volatile Organics by GC/MS

Analyte	Result	Units	Reporting Limit
Test: 8240-OTC-TCLP-L			
Matrix: WASTE			
QC Lot: 22 OCT 90-01A QC Run: 29 OCT 90-01A			
Vinyl chloride	ND	mg/L	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/L	0.025
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025

Test: 8240-OTC-TCLP-L
Matrix: WASTE
QC Lot: 30 OCT 90-01B QC Run: 30 OCT 90-01A

Vinyl chloride	ND	mg/L	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/L	0.025

METHOD BLANK REPORT
Volatile Organics by GC/MS (cont.)

Analyte	Result	Units	Reporting Limit
Test: 8240-OTC-TCLP-L			
Matrix: WASTE			
QC Lot: 30 OCT 90-01B QC Run: 30 OCT 90-01A			
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025

Test: 8240-OTC-TCLP-L
 Matrix: WASTE
 QC Lot: 30 OCT 90-01B QC Run: 29 OCT 90-01B

Vinyl chloride	ND	mg/L	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/L	0.025
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025

DUPLICATE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Spiked	Concentration		AVG	Accuracy		Precision		
		DCS1	Measured DCS2		Average(%) DCS	Limits	(RPD) DCS	Limit	
Category: 624-A									
Matrix: AQUEOUS									
QC Lot: 22 OCT 90-01A									
Concentration Units: ug/L									
1,1-Dichloroethene	50	47.3	48.9	48.1	96	52-150	3.3	15	
Trichloroethene	50	44.0	45.1	44.6	89	76-129	2.5	13	
Benzene	50	43.8	45.8	44.8	90	80-130	4.5	12	
Toluene	50	42.0	44.1	43.0	86	77-127	4.9	10	
Chlorobenzene	50	46.1	48.8	47.4	95	84-128	5.7	11	

Category: 624-A
Matrix: AQUEOUS
QC Lot: 30 OCT 90-01B
Concentration Units: ug/L

1,1-Dichloroethene	50	48.7	48.6	48.6	97	52-150	0.2	15
Trichloroethene	50	46.4	46.3	46.4	93	76-129	0.2	13
Benzene	50	43.3	45.0	44.2	88	80-130	3.9	12
Toluene	50	44.8	44.9	44.8	90	77-127	0.2	10
Chlorobenzene	50	48.3	47.5	47.9	96	84-128	1.7	11

Calculations are performed before rounding to avoid round-off errors in calculated results.

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC/MS

Analyte	Concentration		Accuracy(%)	
	Spiked	Measured	SCS	Limits
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 22 OCT 90-01A QC Run: 29 OCT 90-01A				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	50.4	101	76-114
4-Bromofluorobenzene	50.0	51.4	103	86-115
Toluene-d8	50.0	50.5	101	88-110

Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 30 OCT 90-01B QC Run: 30 OCT 90-01A				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	49.9	100	76-114
4-Bromofluorobenzene	50.0	50.9	102	86-115
Toluene-d8	50.0	48.8	98	88-110

Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 30 OCT 90-01B QC Run: 29 OCT 90-01B				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	50.4	101	76-114
4-Bromofluorobenzene	50.0	51.4	103	86-115
Toluene-d8	50.0	50.5	101	88-110

Calculations are performed before rounding to avoid round-off errors in calculated results.

QC LOT ASSIGNMENT REPORT
semivolatiles Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
055250-0001-SA	AQUEOUS	625-A	09 OCT 90-B	19 OCT 90-B
055250-0002-SA	AQUEOUS	625-A	09 OCT 90-B	19 OCT 90-B
055250-0003-SA	AQUEOUS	625-A	09 OCT 90-B	19 OCT 90-B
055250-0004-SA	AQUEOUS	625-A	09 OCT 90-B	19 OCT 90-B
055250-0005-SA	AQUEOUS	625-A	09 OCT 90-B	19 OCT 90-B
055250-0006-SA	AQUEOUS	625-A	09 OCT 90-B	19 OCT 90-B

METHOD BLANK REPORT
Semivolatle Organics by GC/MS

Analyte	Result	Units	Reporting Limit
Test: 8270-OTC-TCLP-L			
Matrix: WASTE			
QC Lot: 09 OCT 90-B QC Run: 19 OCT 90-B			
Pyridine	ND	ug/L	20
Phenol	ND	ug/L	10
bis(2-Chloroethyl) ether	ND	ug/L	10
1,4-Dichlorobenzene	ND	ug/L	10
1,2-Dichlorobenzene	ND	ug/L	10
o-Cresol	ND	ug/L	10
3/4-Methylphenol	ND	ug/L	10
Hexachloroethane	ND	ug/L	10
Nitrobenzene	ND	ug/L	10
Hexachlorobutadiene	ND	ug/L	10
2,4,6-Trichlorophenol	ND	ug/L	10
2,4,5-Trichlorophenol	ND	ug/L	50
2,4-Dinitrotoluene	ND	ug/L	10
Hexachlorobenzene	ND	ug/L	10
2,3,4,6-Tetrachlorophenol	ND	ug/L	10
Pentachlorophenol	ND	ug/L	50

DUPLICATE CONTROL SAMPLE REPORT
Semivolatile Organics by GC/MS

Analyte	Concentration Spiked	Concentration Measured		AVG	Accuracy Average(%)		Precision (RPD)	
		DCS1	DCS2		DCS	Limits	DCS	Limit
Category: 625-A								
Matrix: AQUEOUS								
QC Lot: 09 OCT 90-B								
Concentration Units: ug/L								
Phenol	200	65.0	63.0	64.0	32	15- 75	3.1	22
2-Chlorophenol	200	140	150	145	73	49-112	6.9	18
1,4-Dichlorobenzene	100	65.0	70.0	67.5	68	20-100	7.4	28
N-Nitroso-di-n-propylamine	100	85.0	86.0	85.5	86	34-112	1.2	23
1,2,4-Trichlorobenzene	100	74.0	79.0	76.5	77	28-107	6.5	23
4-Chloro-3-methylphenol	200	110	100	105	53	46-105	9.5	20
Acenaphthene	100	61.0	64.0	62.5	63	30-114	4.8	15
2,4-Dinitrotoluene	100	68.0	69.0	68.5	69	36-113	1.5	15
4-Nitrophenol	200	59.0	72.0	65.5	33	10- 80	20	50
Pentachlorophenol	200	150	160	155	78	51-107	6.5	31
Pyrene	100	77.0	74.0	75.5	76	36-140	4.0	24

Calculations are performed before rounding to avoid round-off errors in calculated results.

SINGLE CONTROL SAMPLE REPORT
Semivolatile Organics by GC/MS

Analyte	Concentration		Accuracy(%)	
	Spiked	Measured	SCS	Limits

Category: 625-A
Matrix: AQUEOUS
QC Lot: 09 OCT 90-B QC Run: 19 OCT 90-B
Concentration Units: ug/L

Nitrobenzene-d5	100	94.6	95	36-114
2-Fluorobiphenyl	100	73.0	73	43-116
Terphenyl-d14	100	100	100	33-141
Phenol-d5	200	73.6	37	10- 94
2-Fluorophenol	200	139	70	21-100
2,4,6-Tribromophenol	200	152	76	10-123

Calculations are performed before rounding to avoid round-off errors in calculated results.

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
055250-0001-SA	LEACHATE	ICP-TL	23 OCT 90-T	23 OCT 90-T
055250-0001-SA	AQUEOUS	HG-CVAA-A	22 OCT 90-M	22 OCT 90-M
055250-0002-SA	LEACHATE	ICP-TL	23 OCT 90-T	23 OCT 90-T
055250-0002-SA	AQUEOUS	HG-CVAA-A	22 OCT 90-M	22 OCT 90-M
055250-0003-SA	LEACHATE	ICP-TL	23 OCT 90-T	23 OCT 90-T
055250-0003-SA	AQUEOUS	HG-CVAA-A	22 OCT 90-M	22 OCT 90-M
055250-0004-SA	LEACHATE	ICP-TL	23 OCT 90-T	23 OCT 90-T
055250-0004-SA	AQUEOUS	HG-CVAA-A	22 OCT 90-M	22 OCT 90-M
055250-0005-SA	LEACHATE	ICP-TL	23 OCT 90-T	23 OCT 90-T
055250-0005-SA	AQUEOUS	HG-CVAA-A	22 OCT 90-M	22 OCT 90-M
055250-0006-SA	LEACHATE	ICP-TL	23 OCT 90-T	23 OCT 90-T
055250-0006-SA	AQUEOUS	HG-CVAA-A	22 OCT 90-M	22 OCT 90-M

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: ICPOCP-TCLP-TL			
Matrix: WASTE			
QC Lot: 23 OCT 90-T QC Run: 23 OCT 90-T			
Arsenic	ND	mg/L	1.0
Barium	ND	mg/L	0.10
Cadmium	ND	mg/L	0.050
Chromium	ND	mg/L	0.10
Lead	ND	mg/L	0.50
Silver	ND	mg/L	0.10

Test: HG-CVAA-TCLP-L			
Matrix: WASTE			
QC Lot: 22 OCT 90-M QC Run: 22 OCT 90-M			
Mercury	ND	mg/L	0.0010

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration			AVG	Accuracy		Precision	
	Spiked	DCS1	Measured DCS2		Average(%) DCS	Limits	(RPD) DCS Limit	DCS Limit
Category: ICP-TL								
Matrix: LEACHATE								
QC Lot: 23 OCT 90-T								
Concentration Units: mg/L								
Arsenic	5.0	4.48	4.81	4.65	93	75-125	7.0	20
Barium	5.0	4.47	4.96	4.71	94	75-125	11	20
Cadmium	5.0	4.54	4.69	4.62	92	75-125	3.3	20
Chromium	5.0	4.69	4.98	4.83	97	75-125	6.0	20
Lead	5.0	4.44	4.65	4.54	91	75-125	4.6	20
Silver	1.00	0.952	0.990	0.971	97	75-125	3.9	20

Category: HG-CVAA-A
Matrix: AQUEOUS
QC Lot: 22 OCT 90-M
Concentration Units: mg/L

Mercury	0.0040	0.00320	0.00324	0.00322	80#	85-126	1.3	17
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= Recovery outside QC Limits

Calculations are performed before rounding to avoid round-off errors in calculated results.

OTC Volatile Organics
TCLP Leachate
Method 8240

Client Name: Nellis Air Force Base
 Client ID: GM900083
 Lab ID: 055250-0001-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 17 OCT 90

Received: 16 OCT 90
 Analyzed: 29 OCT 90

Parameter	Result	Units	Reporting Limit
Vinyl chloride	ND	mg/L	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/L	0.025
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025
Surrogate	Recovery		
1,2-Dichloroethane-d4	103	%	--
Toluene-d8	103	%	--
4-Bromofluorobenzene	103	%	--

ND = Not detected
 NA = Not applicable

Reported By: Sam Lee

Approved By: Donald Taylor

The cover letter is an integral part of this report.
 Rev 230787

OTC Volatile Organics
TCLP Leachate
Method 8240

Client Name: Nellis Air Force Base
 Client ID: GM900084
 Lab ID: 055250-0002-SA
 Matrix: WASTE
 Authorized: 15 OCT 90
 Sampled: 10 OCT 90
 Prepared: 17 OCT 90
 Received: 16 OCT 90
 Analyzed: 30 OCT 90

Parameter	Result	Units	Reporting Limit
Vinyl chloride	ND	mg/L	0.10
Acrylonitrile	ND	mg/L	1.0
Methylene chloride	ND	mg/L	0.050
Carbon disulfide	ND	mg/L	0.050
1,1-Dichloroethene	ND	mg/L	0.050
Isobutanol	ND	mg/L	1.0
Chloroform	ND	mg/L	0.050
1,2-Dichloroethane	ND	mg/L	0.050
2-Butanone	ND	mg/L	0.10
1,1,1-Trichloroethane	0.31	mg/L	0.050
Carbon tetrachloride	ND	mg/L	0.050
Trichloroethene	ND	mg/L	0.050
1,1,2-Trichloroethane	ND	mg/L	0.050
Benzene	ND	mg/L	0.050
1,1,1,2-Tetrachloroethane	ND	mg/L	0.050
1,1,2,2-Tetrachloroethane	ND	mg/L	0.050
Tetrachloroethene	ND	mg/L	0.050
Toluene	ND	mg/L	0.050
Chlorobenzene	ND	mg/L	0.050
Surrogate			
	Recovery		
1,2-Dichloroethane-d4	100	%	--
Toluene-d8	98	%	--
4-Bromofluorobenzene	103	%	--

Note j : All Reporting Limits for this sample raised due to matrix interferences.

ND = Not detected
 NA = Not applicable

Reported By: Sam Lee

Approved By: Donald Taylor

The cover letter is an integral part of this report.
 Rev 230787

OTC Volatile Organics
 TCLP Leachate
 Method 8240

Client Name: Nellis Air Force Base
 Client ID: GM900085
 Lab ID: 055250-0003-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 17 OCT 90

Received: 16 OCT 90
 Analyzed: 29 OCT 90

Parameter	Result	Units	Reporting Limit
Vinyl chloride	ND	mg/l.	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/l.	0.025
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025
Surrogate	Recovery		
1,2-Dichloroethane-d4	106	%	--
Toluene-d8	104	%	--
4-Bromofluorobenzene	101	%	--

ND = Not detected
 NA = Not applicable

Reported By: Sam Lee

Approved By: Donald Taylor

The cover letter is an integral part of this report.
 Rev 230787

OTC Volatile Organics
TCLP Leachate
Method 8240

Client Name: Nellis Air Force Base
 Client ID: GM900086
 Lab ID: 055250-0004-SA
 Matrix: WASTE
 Authorized: 15 OCT 90
 Sampled: 10 OCT 90
 Prepared: 17 OCT 90
 Received: 16 OCT 90
 Analyzed: 30 OCT 90

Parameter	Result	Units	Reporting Limit	
Vinyl chloride	ND	mg/L	0.10	
Acrylonitrile	ND	mg/L	1.0	j
Methylene chloride	ND	mg/L	0.050	
Carbon disulfide	ND	mg/L	0.050	
1,1-Dichloroethene	ND	mg/L	0.050	
Isobutanol	ND	mg/L	1.0	
Chloroform	ND	mg/L	0.050	
1,2-Dichloroethane	ND	mg/L	0.050	
2-Butanone	ND	mg/L	0.10	
1,1,1-Trichloroethane	0.38	mg/L	0.050	
Carbon tetrachloride	ND	mg/L	0.050	
Trichloroethene	ND	mg/L	0.050	
1,1,2-Trichloroethane	ND	mg/L	0.050	
Benzene	ND	mg/L	0.050	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.050	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.050	
Tetrachloroethene	ND	mg/L	0.050	
Toluene	ND	mg/L	0.050	
Chlorobenzene	ND	mg/L	0.050	
Surrogate	Recovery			
1,2-Dichloroethane-d4	101	%	--	
Toluene-d8	101	%	--	
4-Bromofluorobenzene	101	%	--	

Note j : All Reporting Limits for this sample raised due to matrix interferences.

ND = Not detected
 NA = Not applicable

Reported By: Sam Lee
 Approved By: Donald Taylor

The cover letter is an integral part of this report.
 Rev 230787

OTC Volatile Organics
TCLP Leachate
Method 8240

Client Name: Nellis Air Force Base
 Client ID: GM900087
 Lab ID: 055250-0005-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 17 OCT 90

Received: 16 OCT 90
 Analyzed: 30 OCT 90

Parameter	Result	Units	Reporting Limit
Vinyl chloride	ND	mg/L	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/L	0.025
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025
Surrogate	Recovery		
1,2-Dichloroethane-d4	98	%	--
Toluene-d8	97	%	--
4-Bromofluorobenzene	100	%	--

ND = Not detected
 NA = Not applicable

Reported By: John Gildersleeve

Approved By: Donald Taylor

The cover letter is an integral part of this report.
 Rev 230787

OTC Volatile Organics
TCLP Leachate
Method 8240

Client Name: Nellis Air Force Base
 Client ID: GM900088
 Lab ID: 055250-0006-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 17 OCT 90

Received: 16 OCT 90
 Analyzed: 30 OCT 90

Parameter	Result	Units	Reporting Limit
Vinyl chloride	ND	mg/L	0.050
Acrylonitrile	ND	mg/L	0.50
Methylene chloride	ND	mg/L	0.025
Carbon disulfide	ND	mg/L	0.025
1,1-Dichloroethene	ND	mg/L	0.025
Isobutanol	ND	mg/L	0.50
Chloroform	ND	mg/L	0.025
1,2-Dichloroethane	ND	mg/L	0.025
2-Butanone	ND	mg/L	0.050
1,1,1-Trichloroethane	ND	mg/L	0.025
Carbon tetrachloride	ND	mg/L	0.025
Trichloroethene	ND	mg/L	0.025
1,1,2-Trichloroethane	ND	mg/L	0.025
Benzene	ND	mg/L	0.025
1,1,1,2-Tetrachloroethane	ND	mg/L	0.025
1,1,2,2-Tetrachloroethane	ND	mg/L	0.025
Tetrachloroethene	ND	mg/L	0.025
Toluene	ND	mg/L	0.025
Chlorobenzene	ND	mg/L	0.025
Surrogate	Recovery		
1,2-Dichloroethane-d4	100	%	--
Toluene-d8	100	%	--
4-Bromofluorobenzene	101	%	--

ND = Not detected
 NA = Not applicable

Reported By: John Gildersleeve

Approved By: Donald Taylor

The cover letter is an integral part of this report.

Rev 230787

OTC Semivolatile Organics
TCLP Leachate
Method 8270

Client Name: Nellis Air Force Base
 Client ID: GM900083
 Lab ID: 055250-0001-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 19 OCT 90

Received: 16 OCT 90
 Analyzed: 23 OCT 90

Parameter	Result	Units	Reporting Limit
Pyridine	ND	ug/L	100
Phenol	ND	ug/L	50
bis(2-Chloroethyl) ether	ND	ug/L	50
1,4-Dichlorobenzene	ND	ug/L	50
1,2-Dichlorobenzene	ND	ug/L	50
o-Cresol	ND	ug/L	50
3/4-Methylphenol	ND	ug/L	50
Hexachloroethane	ND	ug/L	50
Nitrobenzene	ND	ug/L	50
Hexachlorobutadiene	ND	ug/L	50
2,4,6-Trichlorophenol	ND	ug/L	50
2,4,5-Trichlorophenol	ND	ug/L	250
2,4-Dinitrotoluene	ND	ug/L	50
Hexachlorobenzene	ND	ug/L	50
2,3,4,6-Tetrachlorophenol	ND	ug/L	50
Pentachlorophenol	ND	ug/L	250
Surrogate	Recovery		
Nitrobenzene-d5	NC	%	-- I
2-Fluorobiphenyl	79	%	--
Terphenyl-d14	102	%	--
Phenol-d5	39	%	--
2-Fluorophenol	70	%	--
2,4,6-Tribromophenol	88	%	--

Note I : Surrogate recovery outside of limits due to sample matrix interference.

ND = Not detected
 NA = Not applicable

Reported By: Doug Baker

Approved By: Jim Lehman

The cover letter is an integral part of this report.

OTC Semivolatile Organics
TCLP Leachate
Method 8270

Client Name: Nellis Air Force Base
 Client ID: GM900084
 Lab ID: 055250-0002-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 19 OCT 90

Received: 16 OCT 90
 Analyzed: 23 OCT 90

Parameter	Result	Units	Reporting Limit	
Pyridine	ND	ug/L	100	
Phenol	ND	ug/L	50	
bis(2-Chloroethyl) ether	ND	ug/L	50	
1,4-Dichlorobenzene	ND	ug/L	50	
1,2-Dichlorobenzene	ND	ug/L	50	
o-Cresol	ND	ug/L	50	
3/4-Methylphenol	ND	ug/L	50	
Hexachloroethane	ND	ug/L	50	
Nitrobenzene	ND	ug/L	50	
Hexachlorobutadiene	ND	ug/L	50	
2,4,6-Trichlorophenol	ND	ug/L	50	
2,4,5-Trichlorophenol	ND	ug/L	250	
2,4-Dinitrotoluene	ND	ug/L	50	
Hexachlorobenzene	ND	ug/L	50	
2,3,4,6-Tetrachlorophenol	ND	ug/L	50	
Pentachlorophenol	ND	ug/L	250	
Surrogate	Recovery			
Nitrobenzene-d5	NC	%	--	I
2-Fluorobiphenyl	82	%	--	
Terphenyl-d14	95	%	--	
Phenol-d5	NC	%	--	I
2-Fluorophenol	NC	%	--	I
2,4,6-Tribromophenol	82	%	--	

Note I : Surrogate recovery outside of limits due to sample matrix interference.

ND = Not detected
 NA = Not applicable

Reported By: Doug Baker

Approved By: Jim Lehman

The cover letter is an integral part of this report.
 Rev 230787

OTC Semivolatile Organics
TCLP Leachate
Method 8270

Client Name: Nellis Air Force Base
Client ID: GM900085
Lab ID: 055250-0003-SA
Matrix: WASTE
Authorized: 15 OCT 90

Sampled: 10 OCT 90
Prepared: 19 OCT 90

Received: 16 OCT 90
Analyzed: 23 OCT 90

Parameter	Result	Units	Reporting Limit	
Pyridine	ND	ug/L	100	
Phenol	ND	ug/L	50	
bis(2-Chloroethyl) ether	ND	ug/L	50	
1,4-Dichlorobenzene	ND	ug/L	50	
1,2-Dichlorobenzene	ND	ug/L	50	
o-Cresol	ND	ug/L	50	
3/4-Methylphenol	ND	ug/L	50	
Hexachloroethane	ND	ug/L	50	
Nitrobenzene	ND	ug/L	50	
Hexachlorobutadiene	ND	ug/L	50	
2,4,6-Trichlorophenol	ND	ug/L	50	
2,4,5-Trichlorophenol	ND	ug/L	250	
2,4-Dinitrotoluene	ND	ug/L	50	
Hexachlorobenzene	ND	ug/L	50	
2,3,4,6-Tetrachlorophenol	ND	ug/L	50	
Pentachlorophenol	ND	ug/L	250	
Surrogate	Recovery			
Nitrobenzene-d5	NC	%	--	I
2-Fluorobiphenyl	78	%	--	
Terphenyl-d14	84	%	--	
Phenol-d5	NC	%	--	I
2-Fluorophenol	70	%	--	
2,4,6-Tribromophenol	82	%	--	

Note I : Surrogate recovery outside of limits due to sample matrix interference.

ND = Not detected
NA = Not applicable

Reported By: Doug Baker

Approved By: Jim Lehman

The cover letter is an integral part of this report.

Rev 230787

OTC Semivolatile Organics
TCLP Leachate
Method 8270

Client Name: Nellis Air Force Base
 Client ID: GM900086
 Lab ID: 055250-0004-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 19 OCT 90

Received: 16 OCT 90
 Analyzed: 23 OCT 90

Parameter	Result	Units	Reporting Limit	
Pyridine	ND	ug/L	100	
Phenol	ND	ug/L	50	
bis(2-Chloroethyl) ether	ND	ug/L	50	
1,4-Dichlorobenzene	ND	ug/L	50	
1,2-Dichlorobenzene	ND	ug/L	50	
o-Cresol	ND	ug/L	50	
3/4-Methylphenol	ND	ug/L	50	
Hexachloroethane	ND	ug/L	50	
Nitrobenzene	ND	ug/L	50	
Hexachlorobutadiene	ND	ug/L	50	
2,4,6-Trichlorophenol	ND	ug/L	50	
2,4,5-Trichlorophenol	ND	ug/L	250	
2,4-Dinitrotoluene	ND	ug/L	50	
Hexachlorobenzene	ND	ug/L	50	
2,3,4,6-Tetrachlorophenol	ND	ug/L	50	
Pentachlorophenol	ND	ug/L	250	
Surrogate	Recovery			
Nitrobenzene-d5	NC	%	--	I
2-Fluorobiphenyl	80	%	--	
Terphenyl-d14	90	%	--	
Phenol-d5	1.0	%	--	I
2-Fluorophenol	NC	%	--	I
2,4,6-Tribromophenol	79	%	--	

Note I : Surrogate recovery outside of limits due to sample matrix interference.

ND = Not detected
 NA = Not applicable

Reported By: Doug Baker

Approved By: Jim Lehman

The cover letter is an integral part of this report.
 Rev 230787

OTC Semivolatile Organics
TCLP Leachate
Method 8270

Client Name: Nellis Air Force Base
 Client ID: GM900087
 Lab ID: 055250-0005-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: 19 OCT 90

Received: 16 OCT 90
 Analyzed: 23 OCT 90

Parameter	Result	Units	Reporting Limit	
Pyridine	ND	ug/L	100	
Phenol	ND	ug/L	50	
bis(2-Chloroethyl) ether	ND	ug/L	50	
1,4-Dichlorobenzene	ND	ug/L	50	
1,2-Dichlorobenzene	ND	ug/L	50	
o-Cresol	ND	ug/L	50	
3/4-Methylphenol	ND	ug/L	50	
Hexachloroethane	ND	ug/L	50	
Nitrobenzene	ND	ug/L	50	
Hexachlorobutadiene	ND	ug/L	50	
2,4,6-Trichlorophenol	ND	ug/L	50	
2,4,5-Trichlorophenol	ND	ug/L	250	
2,4-Dinitrotoluene	ND	ug/L	50	
Hexachlorobenzene	ND	ug/L	50	
2,3,4,6-Tetrachlorophenol	ND	ug/L	50	
Pentachlorophenol	ND	ug/L	250	
Surrogate	Recovery			
Nitrobenzene-d5	NC	%	--	I
2-Fluorobiphenyl	80	%	--	
Terphenyl-d14	84	%	--	
Phenol-d5	NC	%	--	I
2-Fluorophenol	66	%	--	
2,4,6-Tribromophenol	75	%	--	

Note I : Surrogate recovery outside of limits due to sample matrix interference.

ND = Not detected
 NA = Not applicable

Reported By: Doug Baker

Approved By: Jim Lehman

The cover letter is an integral part of this report.
 Rev 230787

OTC Semivolatile Organics
 TCLP Leachate
 Method 8270

Client Name: Nellis Air Force Base

Client ID: GM900088

Lab ID: 055250-0006-SA

Matrix: WASTE

Authorized: 15 OCT 90

Sampled: 10 OCT 90

Prepared: 19 OCT 90

Received: 16 OCT 90

Analyzed: 23 OCT 90

Parameter	Result	Units	Reporting Limit	
Pyridine	ND	ug/L	100	
Phenol	ND	ug/L	50	
bis(2-Chloroethyl) ether	ND	ug/L	50	
1,4-Dichlorobenzene	ND	ug/L	50	
1,2-Dichlorobenzene	ND	ug/L	50	
o-Cresol	ND	ug/L	50	
3/4-Methylphenol	ND	ug/L	50	
Hexachloroethane	ND	ug/L	50	
Nitrobenzene	ND	ug/L	50	
Hexachlorobutadiene	ND	ug/L	50	
2,4,6-Trichlorophenol	ND	ug/L	50	
2,4,5-Trichlorophenol	ND	ug/L	250	
2,4-Dinitrotoluene	ND	ug/L	50	
Hexachlorobenzene	ND	ug/L	50	
2,3,4,6-Tetrachlorophenol	ND	ug/L	50	
Pentachlorophenol	ND	ug/L	250	
Surrogate	Recovery			
Nitrobenzene-d5	NC	%	--	I
2-Fluorobiphenyl	76	%	--	
Terphenyl-d14	90	%	--	
Phenol-d5	36	%	--	
2-Fluorophenol	70	%	--	
2,4,6-Tribromophenol	83	%	--	

Note I : Surrogate recovery outside of limits due to sample matrix interference.

ND = Not detected
 NA = Not applicable

Reported By: Doug Baker

Approved By: Jim Lehman

The cover letter is an integral part of this report.

Rev 230787

RCRA TCLP
WASTE EXTRACT

Client Name: Nellis Air Force Base
 Client ID: GM900083
 Lab ID: 055250-0001-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: See Below

Received: 16 OCT 90
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	1.0	6010	23 OCT 90	25 OCT 90
Barium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Cadmium	ND	mg/L	0.050	6010	23 OCT 90	25 OCT 90
Chromium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Lead	ND	mg/L	0.50	6010	23 OCT 90	25 OCT 90
Mercury	ND	mg/L	0.0010	Method 7471	23 OCT 90	23 OCT 90
Silver	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90

ND = Not detected
 NA = Not applicable

Reported By: Evin McKinney

Approved By: Barry Votaw

The cover letter is an integral part of this report.
 Rev 230787

RCRA TCLP
WASTE EXTRACT

Client Name: Nellis Air Force Base
 Client ID: GM900084
 Lab ID: 055250-0002-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: See Below

Received: 16 OCT 90
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	1.0	6010	23 OCT 90	25 OCT 90
Barium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Cadmium	ND	mg/L	0.050	6010	23 OCT 90	25 OCT 90
Chromium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Lead	ND	mg/L	0.50	6010	23 OCT 90	25 OCT 90
Mercury	ND	mg/L	0.0010	Method 7471	23 OCT 90	23 OCT 90
Silver	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90

ND = Not detected
 NA = Not applicable

Reported By: Evin Mckinney

Approved By: Barry Volaw

The cover letter is an integral part of this report.

Rev 230787

**RCRA TCLP
WASTE EXTRACT**

Client Name: Nellis Air Force Base
 Client ID: GM900085
 Lab ID: 055250-0003-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: See Below

Received: 16 OCT 90
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	1.0	6010	23 OCT 90	25 OCT 90
Barium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Cadmium	ND	mg/L	0.050	6010	23 OCT 90	25 OCT 90
Chromium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Lead	ND	mg/L	0.50	6010	23 OCT 90	25 OCT 90
Mercury	ND	mg/L	0.0010	Method 7471	23 OCT 90	23 OCT 90
Silver	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90

ND = Not detected
 NA = Not applicable

Reported By: Evin Mckinney Approved By: Barry Votaw

The cover letter is an integral part of this report.
 Rev 230787

RCRA TCLP
WASTE EXTRACT

Client Name: Nellis Air Force Base
 Client ID: GM900086
 Lab ID: 055250-0004-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: See Below

Received: 16 OCT 90
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	1.0	6010	23 OCT 90	25 OCT 90
Barium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Cadmium	ND	mg/L	0.050	6010	23 OCT 90	25 OCT 90
Chromium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Lead	ND	mg/L	0.50	6010	23 OCT 90	25 OCT 90
Mercury	ND	mg/L	0.0010	Method 7471	23 OCT 90	23 OCT 90
Silver	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90

ND = Not detected
 NA = Not applicable

Reported By: Evin Mckinney

Approved By: Barry Votaw

The cover letter is an integral part of this report.
 Rev 230787

RCRA TCLP
WASTE EXTRACT

Client Name: Nellis Air Force Base
 Client ID: GM900088
 Lab ID: 055250-0006-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: See Below

Received: 16 OCT 90
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	1.0	6010	23 OCT 90	25 OCT 90
Barium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Cadmium	ND	mg/L	0.050	6010	23 OCT 90	25 OCT 90
Chromium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Lead	ND	mg/L	0.50	6010	23 OCT 90	25 OCT 90
Mercury	ND	mg/L	0.0010	Method 7471	23 OCT 90	23 OCT 90
Silver	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90

ND = Not detected
 NA = Not applicable

Reported By: Evin Mckinney

Approved By: Barry Votaw

The cover letter is an integral part of this report.
 Rev 230787

RCRA TCLP
WASTE EXTRACT

Client Name: Nellis Air Force Base
 Client ID: GM900087
 Lab ID: 055250-0005-SA
 Matrix: WASTE
 Authorized: 15 OCT 90

Sampled: 10 OCT 90
 Prepared: See Below

Received: 16 OCT 90
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Arsenic	ND	mg/L	1.0	6010	23 OCT 90	25 OCT 90
Barium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Cadmium	ND	mg/L	0.050	6010	23 OCT 90	25 OCT 90
Chromium	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90
Lead	ND	mg/L	0.50	6010	23 OCT 90	25 OCT 90
Mercury	ND	mg/L	0.0010	Method 7471	23 OCT 90	23 OCT 90
Silver	ND	mg/L	0.10	6010	23 OCT 90	25 OCT 90

ND = Not detected
 NA = Not applicable

Reported By: Grace Chang

Approved By: Barry Votaw

The cover letter is an integral part of this report.

Rev 230787