KCND 6100

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY (CLEAN II) Northern and Central California, Nevada, and Utah Contract Number N62474-94-D-7609 **Contract Task Order 226**

Prepared for

DEPARTMENT OF THE NAVY Ms. Marianna Potacka **Southwestern Division Naval Facilities Engineering Command** San Diego, California

MOFFETT FEDERAL AIRFIELD, CALIFORNIA (Formerly Naval Air Station Moffett Field) DRAFT **BASEWIDE TANK SITE CLOSURE REPORT**

May 26, 2000

Prepared by

TETRA TECH EM INC. 135 Main Street, Suite 1800 San Francisco, California 94105 (415) 543-4880

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Douglas Gale, Project Geologist

Timothy Mower, Project Manager

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DEPARTMENT OF THE NAVY SOUTHWEST DIVISION NAVAL FACILITIES ENGINEERING COMMAND 1220 PACIFIC HIGHWAY SAN DIEGO, CA 92132-5190

> 5090 Ser 06CT.AT/0376 May 26, 2000

Mr. Joseph Chou San Francisco Bay Regional Water Quality Control Board 1515 Clay Street, Suite 1400 Oakland, CA 94612

Dear Mr. Chou:

Subj: DRAFT BASEWIDE TANK CLOSURE REPORT, MOFFETT FEDERAL AIRFIELD

Enclosed is a copy of the "Draft Basewide Tank Closure Report, Moffett Federal Airfield", of May 26, 2000, for your review. Please provide your comments or concurrence on the draft report to the following address by June 12, 2000 in order to meet the June 30, 2000 submission of the Final Basewide Tank Closure Report to your office:

Commander Attn: Mr. Arturo Tamayo (Code 06CT.AT) Southwest Division, Naval Facilities Engineering Command 1220 Pacific Highway San Diego, CA 92132-5190

If you have any questions, please contact Mr. Art Tamayo, UST Remedial Project Manager, at (619) 532-0916.

Sincerely,

Unarianne R. Potacke

MARIANNA K. POTACKA BRAC Environmental Coordinator By direction of the Commander

Encl: (1) Draft Basewide Tank Closure Report, Moffett Federal Airfield, May 26, 2000

Copy to: (w/o encl) Ms. Roberta Blank U. S. Environmental Protection Agency Region IX 75 Hawthorne Street San Francisco, CA 94105 ::

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Tetra Tech EM Inc.

1099 18th Street, Suite 1960 + Denver, CO 80202 + (303) 295-1101 + FAX (303) 295-2818

May 26, 2000

Ms. Marianna Potacka Department of the Navy Southwestern Division Naval Facilities Engineering Command 1230 Columbia Street Suite 1100 San Diego, California 92101

Subject: Draft Basewide Tank Site Closure Report, Moffett Federal Airfield CLEAN Contract Number N62474-94-D-7609, Contract Task Order 226

Dear Ms. Potacka:

Enclosed are three copies of the above-referenced document. Tetra Tech EM Inc. (TtEMI) prepared this report to present data for 35 tank sites at Moffett Federal Airfield. These sites were compiled into this report because they each meet the action levels agreed upon between the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) and the Navy in 1994. Per your direction, TtEMI is submitting this report for Navy and RWQCB concurrent review to meet RWQCB's request for closure information by June 30, 2000.

Thirty-five tank sites are evaluated in this report. The report recommends closure for Tanks 15, 18, 22, 28, 41B, 55, 57, 59, 63, 64, 67, 69, 86A, 86B, 88, 106, 110, 111, and 116 because soil and groundwater samples at each tank site met the action levels and methyl tertiary butyl ether (MTBE) was not detected. The report also recommends closure for three tanks that were never used, Tanks 30, 31, and 78; eight tanks that were not used for storage of petroleum products, Tanks 54, 62, 62A, 66, 68, 77, 91, and 130; and five tank numbers where tanks never existed, Tanks 27, 51, 65, 112, and 123.

TtEMI will incorporate any comments from the Navy and RWQCB into the final basewide tank site closure report. Furthermore, an Access database is currently in progress and will be submitted with the Final Basewide Tank Site Closure Report to fulfill RWQCB's requirements. If you have any questions, please call Douglas Gale at (303) 382-8789 or Timothy Mower at (303) 312-8874.

Sincerely,

Douglas Gale Project Geologist

DG/jed

Enclosures:

cc: Don Chuck, EFA WEST Joseph Chou, RWQCB Sandy Olliges, NASA

Toryto Set f

Timothy Mower

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ACRONYMS AND ABBREVIATIONS

AIMD	Aircraft Intermediate Maintenance Department
AST	Aboveground storage tank
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and xylene
Cal/EPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Chemical of concern
CPT	Cone penetrometer test
CTO	Contract Task Order
DHS	California Department of Health Services
DQO	Data Quality Objective
DTSC	California Department of Toxic Substances Control
ECC	Environmental Chemical Corporation
Envirotox	Envirotox Technologies Incorporated
EPA	U.S. Environmental Protection Agency
ft/ft	Feet of drop per foot of distance
HSA	Hollow-stem auger
IRP	Installation Restoration Program
JP	Jet petroleum
µg/L	Micrograms per liter
MCL	Maximum contaminant level
MFA	Moffett Federal Airfield
mg/kg	Milligrams per kilogram
MQO	Measurement quality objective
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
NASA	National Aeronautics and Space Administration
ND	Nondetect
NEX	Naval Exchange
NS	Not sampled
PCB PID PRC PRG	Polychlorinated biphenyl Photoionization detector PRC Environmental Management, Inc.

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ACRONYMS AND ABBREVIATIONS (Continued)

QA/QC Quality assurance and quality control

RWQCB Regional Water Quality Control Board, San Francisco Bay Region

SAICScience Applications International CorporationSCCEHSSanta Clara County Department of Environmental Health ServicesSWRCBCalifornia State Water Resources Control Board

TM	Technical memorandum
TPH	Total petroleum hydrocarbons
TPH-e	Total petroleum hydrocarbons extractable
TPH-p	Total petroleum hydrocarbons purgeable
TtEMI	Tetra Tech EM Inc.

UST Underground storage tank

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EXECUTIVE SUMMARY

Tetra Tech EM Inc. (TtEMI) has prepared this draft Basewide Tank Site Closure Report to expedite closure of several tank sites at Moffett Federal Airfield (MFA). Thirty tanks were selected that meet prescribed action levels for soil and groundwater as agreed upon by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) and the Navy. Five additional tank sites where tanks were never installed are also addressed. Petroleum sites at MFA are evaluated and closed separately from Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites under the guidance of RWQCB. The ultimate goal of the petroleum sites evaluation methodology is to obtain site closure. These 35 tank sites were evaluated using the data quality objectives (DQOs) developed for MFA petroleum sites; DQOs are described fully in Section 3.0.

Tanks, as used in this report, refer to liquid storage or diversion structures, and include underground storage tanks (USTs), a stormwater diversion box, sumps, and oil/water separators. Included are tanks associated with Installation Restoration Program (IRP) Site 5 (Tanks 15, 18, 30, and 31), Site 14 (Tanks 67 and 68), Site 15 (Tanks 54, 59, 62, 62A, 63, 64, and 130) and Site 18 (Tank 66); also included are tank sites from across MFA: Tanks 22, 28, 41B, 55, 57, 69, 77, 78, 86A, 86B, 88, 91, 106, 110, 111, and 116 (Figure 1). Five additional tank sites (Tanks 27, 51, 65, 112, and 123) where tanks were never installed are also addressed. Other tank areas at MFA that do not meet the action levels are evaluated further in appendices to the Final Basewide Petroleum Site Evaluation Methodology Technical Memorandum (TM) (TtEMI 1998).

Soil and groundwater data from completed investigations were evaluated in areas where releases were suspected to have occurred. Investigations focused on action levels set for total petroleum hydrocarbons (TPH) and individual petroleum constituents. Chemicals of concern (COCs) include TPH extractable (TPH-e) as diesel, jet petroleum (JP-5), motor oil, other heavy, and other light components, and TPH purgeable (TPH-p) as gasoline and benzene, toluene, ethylbenzene, and xylene (BTEX) components. Additional methyl tertiary butyl ether (MTBE) groundwater sampling requirements for tank closure were established in March 1999, after RWQCB and the Navy agreed upon action levels. The action level for MTBE was set at 13 micrograms per liter (μ g/L). Additional sampling of monitoring wells downgradient of tanks that contained gasoline was conducted in August 1999 for BTEX and MTBE.

Soil and groundwater results at each tank site meet the action levels agreed upon by RWQCB and Navy. Therefore, the Navy recommends closure for Tanks 15, 18, 22, 27, 28, 30, 31, 41B, 51, 54, 55, 57, 62, 62A, 63, 64, 65, 66, 67, 68, 69, 77, 78, 86A, 86B, 88, 91, 106, 110, 111, 112, 116, 123, and 130. The Navy also recommends closure of Navy responsibility for Tank 59, which is still active. The following points were significant in the tank site closure evaluation:

- All sources of petroleum have been removed at each of the tank sites that contained or may have contained petroleum and no free product was encountered.
- Petroleum constituents concentrations have been detected at concentrations that do not exceed the action levels agreed upon by RWQCB and the Navy.

The following tank closure checklist presents a summary of tank characterization and removal activities and chemical concentrations in soil and groundwater at each site tank.

TANK 15 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site Number	Tank Type and Number		
Tank 15	UST 15	1,000	Diesel

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹
No	Soil (removed during excavation)

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
0	0

REPORTS

Author and Title	Date
PRC Environmental Management, Inc. (PRC). Closure Report for Underground Storage Tanks 15, 28, 78, 88 and 41B	April 1995
Tetra Tech EM Inc. (TtEMI). November 1999 Quarterly Report	May 2000

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT **MAXIMUM CHEMICAL CONCENTRATIONS - TANK 15**

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			NS	150
TPH-e as diesel			4,400 ¹	400
Benzene			ND (0.005)	4.4
Toluene			ND (0.005)	2,700
Ethylbenzene			ND (0.005)	3,100
Xylene			ND (0.005)	980
MTBE			NS	NL
TPH-e as JP-5			NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components	. ==		NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene			NS	0.26

SOIL

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L)		Most R from	Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)
TPH-p as gasoline			NS		NS	50
TPH-e as diesel			NS		NS	700
Benzene			NS		NS	1
Toluene			NS		NS	680
Ethylbenzene			NS	-	NS	1,000
Xylene		-	NS		NS	1,750
MTBE			NS		NS	13
TPH-e as JP-5			NS		NS	700
Naphthalene			NS		NS	NL
2-Methylnaphthalene			NS		NS	NL
TPH-e as other heavy components			NS		NS	NL
TPH-e as other light components			NS		NS	NL
TPH-e as kerosene			NS		NS	NL
TPH-e as motor oil			NS		NS	NL
Benzo(a)pyrene			NS		NS	NL

Notes:

1

Indicates that the soil surrounding the sample was removed in a subsequent investigation.

No information (not sampled or not detected) -- .

JP Jet petroleum

μg/L

Micrograms per liter Milligrams per kilogram Methyl tertiary butyl ether No detections mg/kg

MTBE

ND

No defined screening level NL

NS Not sampled

TPH Total petroleum hydrocarbons

TANK 18 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site Number	Tank Type and Number		Contents
Tank 18	UST 18	935	Diesel

Note:

UST Underground storage tank

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soll Borings	Monitoring Wells
· 1	1

Identified Source or

LEAK AND CONTAMINATION

Leak	Contaminants Identified in Medium
(Yes, No)	(Soil, Groundwater, None) ¹
No	None

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
ERM-West. Tank Closure Documentation	June 1995
TtEMI. November 1999 Quarterly Report	May 2000

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT MAXIMUM CHEMICAL CONCENTRATIONS - TANK 18

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)	
TPH-p as gasoline			ND (10)	150	
TPH-e as diesel	18B-065037-13	5/94	5	400	
Benzene			ND (0.006)	4.4	
Toluene			ND (0.006)	2,700	
Ethylbenzene			ND (0.006)	3,100	
Xylene			ND (0.006)	980	
MTBE			NS	NL	
TPH-e as JP-5			ND (10)	NL	
Naphthalene			ND (0.038)	240	
2-Methylnaphthalene			ND (0.038)	NL	
TPH-e as other heavy components			NS	NL	
TPH-e as other light components			NS	NL	
TPH-e as kerosene			NS	NL	
TPH-e as motor oil			NS	NL	
Benzo(a)pyrene			ND (0.038)	0.26	

SOIL

GROUNDWATER

Chemičal	Well Name	Maximum Concentration (µg/L) (Detection limit or range in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		Screening Level
		Date	Concentration	Date	Concentration	(μg/L)
TPH-p as gasoline			NS		NS	50
TPH-e as diesel			NS		NS	700
Benzene			ND		ND	1
Toluene			ND		ND	680
Ethylbenzene			ND		ND	1,000
Xylene			ND		ND	1,750
MTBE			ND (10)		NS	13
TPH-e as JP-5			ND (0.25-250)		ND (0.25-250)	700
Naphthalene			ND (10)		ND (10)	NL
2-Methylnaphthalene			ND (10)		ND (10)	NL
TPH-e as other heavy components			NS		NS	NL
TPH-e as other light components			NS	'	NS	NL
TPH-e as kerosene			NS		NS	NL
TPH-e as motor oil			NS		NS	NL
Benzo(a)ругепе		·	ND (10)		ND (10)	NL

Notes:

--No information (not sampled or not detected)JPJet petroleumμg/LMicrograms per litermg/kgMilligrams per kilogramMTBEMethyl tertiary butyl etherNDNo detectionsNLNo defined screening levelNSNot sampled

TPH Total petroleum hydrocarbons

 \mathbf{z}^{\dagger}

TANK 22 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

The Navy recommends tank closure.

□ The Navy recommends further action.

TANK INFORMATION

Site Number	Tank Type and Number		Contents
Tank 22	Tar-coated steel UST 22	600	Diesel

Note:

UST Underground storage tank

TANK INSTALLATION AND REMOVAL

Installed NA	No	Removed	December 1992	NA	NA
Date	Active	Closed In-place, Removed,	Date	Condition	Condition

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
3	1

LEAK AND CONTAMINATION

(Yes, No)	(Soil, Groundwater, None) ¹
Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹
Identified Source or	

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
PRC. Final Stationwide Remedial Investigation Report	May 1996
TtEMI. November 1999 Quarterly Report	May 2000

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT **MAXIMUM CHEMICAL CONCENTRATIONS - TANK 22**

SOIL

Chemical	Sample Name	Date	Soll Concentration (mg/kg) (Detection limit or range in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			ND (1.2-0.61)	150
TPH-e as diesel			ND (1.2)	400
Benzene			ND (0.006)	4.4
Toluene	·		ND (0.006)	2,700
Ethylbenzene			ND (0.006)	3,100
Xylene			ND (0.006)	980
MTBE			NS	NL
TPH-e as JP-5	••		ND (1.2)	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			38'	NL
TPH-e as other light components			ND (1.2)	NL
TPH-e as kerosene			ND (1.2)	NL
TPH-e as motor oil			ND (12)	NL
Benzo(a)ругепе			NS	0.26

GROUNDWATER

Chemical	Well Name	Tunge in hureneses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		-Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			371		ND (50)	50	
TPH-e as diesel	WT22-1	8/96	300Y		260 ²	700	
Benzene			ND (0.5)	·	ND (0.1)	1	
Toluene		11/96	0.321		ND (0.1)	680	
Ethylbenzene			ND (0.5)		ND (0.1)	1,000	
Xylene			ND (0.5)		ND (1)	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			ND (50-100)		ND (50-100)	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene	·		NS		NS	NL	
TPH-e as other heavy components	GWT22-2	7/95	450 ²		NS	NL	
TPH-e as other light components			ND (50)		NS	NL	
TPH-e as kerosene			ND (50-100)		ND (50-100)	NL	
TPH-e as motor oil	WT22-1	2/96	370	11/96	160	NL	
Benzo(a)pyrene			NS		NS	NL	

Notes:

L Estimated concentration 2

Pattern does not match calibrated fuel pattern but does resemble a fuel pattern

No information (not sampled or not detected) --

JP Jet petroleum

μg/L

mg/kg

Micrograms per liter Milligrams per kilogram Methyl tertiary butyl ether MTBĚ

No detections ND

NL No defined screening level

- NS Not sampled
- TPH Total petroleum hydrocarbons

TANK 27 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

The Navy recommends tank closure.

k -

□ The Navy recommends further action.

Tank 27 never existed; no soil or groundwater samples were collected. Therefore, there are no summary tables for soil and groundwater for this tank.

TANK 28 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 28	Steel Tank 28	150	Diesel

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

	····
Identified	
Source or	
Leak (Yes, No)	Contaminants Identified in Medlum
(100)	(Soil, Groundwater, None) ¹
No	Soil

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Date Installed	Active (Yes, No)	Closed In-place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping
NA	No	Removed	June 1991	Good	Good

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
0	0

REPORTS

Author and Title	Date
Quorum Environmental Consultants, Inc. (Quorum). Letter Report of Underground Storage Tank Removal	August 1991
PRC. Closure Report for Underground Storage Tanks 15, 28, 78, 88 and 41B	April 1995
TtEMI. November 1999 Quarterly Report	May 2000

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT MAXIMUM CHEMICAL CONCENTRATIONS - TANK 28

SOIL

Chemiçal	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			NS	150
TPH-e as diesel			ND (10)	400
Benzene			ND (0.005)	4.4
Toluene			ND (0.005)	2,700
Ethylbenzene			ND (0.005)	3,100
Xylene			ND (0.005)	980
MTBE			NS	NL
TPH-e as JP-5		'	NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	ŇL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil	S-05-T28	6/91	16	NL
Benzo(a)ругепе			NS	0.26

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS		NS	50	
TPH-e as diesel			NS		NS	700	
Benzene		·	NS		NS	1	
Toluene		-	NS		NS	680	
Ethylbenzene			NS		NS	1,000	
Xylene			NS		NS	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			NS		NS	700	
Naphthalene		-	NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			NS		NS	NL	
Benzo(a)pyrene			NS		NS	NL	

Notes:

1.1

1.1

No information (not sampled or not detected) ---JP Jet petroleum μg/L Micrograms per liter Milligrams per kilogram mg/kg MTBE Methyl tertiary-butyl ether ND No detections NL No defined screening level ΝS Not sampled TPH Total petroleum hydrocarbons

TANKS 30 AND 31 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Tanks 30 and 31 were installed together in the same excavation and are discussed together in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

Tanks 30 and 31 were never used. The tanks were installed in the ground; however, their installations were not complete. No soil or groundwater samples were collected when the tanks were removed because the tanks were never filled. Therefore, there are no summary tables for soil and groundwater for this tank.

TANK 41B CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 41B	Concrete, 41B	3,000	Oil/water separator

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak	Contaminants Identified in Medium	
(Yes, No)	(Soll, Groundwater, None) ¹	ł
No	Soil	

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
PRC. Closure Report for USTs 15, 28, 78, 88, and 41B	April 1995
TtEM1. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

NA	No	Removed	January 1993	NA	NA
Date Installed	Active (Yes, No)	Closed In-Place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
0	0

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT MAXIMUM CHEMICAL CONCENTRATIONS - TANK 41B

SOIL

Chemical	Sample Name	Date	Soil Concentration (mg/kg)	Screening Level (mg/kg)
TPH-p as gasoline	Tank 41B (E)	1/93	4.6	150
TPH-e as diesel			NS	400
Benzene	Tank 41B (E)	1/93	0.012	4.4
Toluene	Tank 41B (E)	1/93	0.085	2,700
Ethylbenzene	Tank 41B (E)	1/93	0.061	3,100
Xylene	Tank 41B (E)	1/93	0.041	980
MTBE			NS	NL
TPH-e as JP-5			NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene			NS	0.26

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS		NS	50	
TPH-e as diesel			NS		NS	700	
Benzene			NS		NS	1	
Toluene			NS		ŃS	680	
Ethylbenzene			NS		NS	1,000	
Xylene			NS		NS	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			NS		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components	**		NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			NS	-	NS	NL	
Вепzo(а)ругепе			NS		NS	NL	

Notes:

--No information (not sampled or not detected)JPJet petroleumμg/LMicrograms per litermg/kgMilligrams per kilogramMTBEMethyl tertiary butyl etherNDNo detectionsNLNo defined screening levelNSNot sampledTPHTotal petroleum hydrocarbons

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G0069-226G0401\s:\project\moffett\petrol sites\closure report\execsumm.doc\5/30/00\rkr

TANK 51 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

Tank 51 never existed; no soil or groundwater samples were collected. Therefore, there are no summary tables for soil and groundwater for this tank.

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TANK 54 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 54	UST 54	1,620	Wastewater from paint shop

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹
No	Soil

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Auffior and Title	Date
PRC. Revised Final IRP Petroleum Sites (and Wastewater Tanks and Sumps) Characterization Report	January 1994
TtEMI. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

Date Installed	Active (Yes, No)	Closed In-place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping
NA	No	Removed	December 1992	NA	NA

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of Soil Borings	Number of Monitoring Wells
0	0

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT MAXIMUM CHEMICAL CONCENTRATIONS - TANK 54

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	(Screening Level (mg/kg)
TPH-p as gasoline			ND (1)	150
TPH-e as diesel			ND (1)	400
Benzene	· ==		ND'	4.4
Toluene			ND ¹	2,700
Ethylbenzene			ND'	3,100
Xylene			ND ¹	980
MTBE			NS	NL
TPH-e as JP-5	、		ND'	NL
Naphthalene	·		NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			ND ¹	NL
Benzo(a)pyrene			NS	0.26

SOIL

GROUNDWATER

Chemical	Well Maximum Concentration Name (µg/L)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)
TPH-p as gasoline			NS		NS	50
TPH-e as diesel			NS		NS	700
Benzene			NS	·	NS	1
Toluene	•		NS		NS	680
Ethylbenzene			NS		NS	1,000
Xylene			NS		. NS	1,750
MTBE	-		NS		NS	13
TPH-e as JP-5			NS		NS	700
Naphthalene			NS		NS	NL
2-Methylnaphthalene			NS		NS	NL
TPH-e as other heavy components			NS		NS	NL
TPH-e as other light components			NS	-	NS	NL
TPH-e as kerosene			NS		NS	NL
TPH-e as motor oil			NS		NS	NL
Benzo(a)pyrene			NS		NS	NL

Notes:

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Detection limits unknown ___ No information (not sampled or not detected) Jet petroleum JP Micrograms per liter Milligrams per kilogram Methyl tertiary butyl ether μg/L mg/kg MTBE No detections ND NL No defined screening level NS Not sampled TPH Total petroleum hydrocarbons

TANK 55 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 55	UST 55	200	Diesel

LEAK AND CONTAMINATION

Contaminants Identified in Medium

(Soil, Groundwater, None)

Soil and Groundwater

Note:

UST Underground storage tank

TANK INSTALLATION AND REMOVAL

Date Installed		Closed In-place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping
NA	No	Removed	NA	NA	NA

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soll Borings	Monitoring Wells
4	1

Note:

Identified Source or Leak

(Yes, No)

No

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
ERM-West and Aqua Resources, Inc. Joint Venture. Hazardous Materials Underground Storage Tank Study	April 1986
TtEMI. November 1999 Quarterly Report	May 2000

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT MAXIMUM CHEMICAL CONCENTRATIONS – TANK 55

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			ND (0.56)	150
TPH-e as diesel	SBT55-1	8/95	49	400
Benzene			ND (0.00056)	4.4
Toluene			ND (0.00056)	2,700
Ethylbenzene			ND (0.00056)	3,100
Xylene	- 1		ND (0.00056)	980
MTBE			NS	NL
TPH-e as JP-5			ND (28)	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS NS	NL
TPH-e as other light components			NS	NĹ
TPH-e as kerosene			NS	NL
TPH-e as motor oil	SBT55-1	8/95	440	NL
Велго(а)рутеле			NS	0.26

SOIL

GROUNDWATER

Chemical	 The second s second second se second second s second second s second second se	Maximum Concentration (µg/L) (Detection limit or range in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		Screening Level
		Date	Concentration	Date	Concentration	(μg/L)
TPH-p as gasoline	WT55-1	8/95	43 ¹	-+	ND (50)	50
TPH-e as diesel	WT55-1	8/95	62		ND (100)	700
Benzene	WT55-1	5/97	6		ND (1)	1
Toluene			ND (1)	-	ND (1)	680
Ethylbenzene			ND (0.5)		ND (0.5-1)	1,000
Xylene	WT55-1	8/95	1.1	-	ND	1,750
MTBE			ND (1-10)		ND (1-10)	13
TPH-e as JP-5			ND (100-500)		ND (50-500)	700
Naphthalene			ND (10)		ND (10)	NL
2-Methylnaphthalene			ND (10)		ND (10)	NL
TPH-e as other heavy components			ND (50)		NS	NL
TPH-e as other light components			ND (50)		NS	NL ·
TPH-e as kerosene			ND (100)		NS	NL
TPH-e as motor oil	GWT55-2	7/95	1,600		NS	NL
Benzo(a)pyrene			ND (10)		ND (10)	NL

Notes:

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Estimated concentration

No information (not sampled or not detected)

GWT Groundwater sample location collected via Geoprobe. No additional samples are available from this location.

JP Jet petroleum

μg/L Micrograms per liter

mg/kg Milligrams per kilogram

MTBE Methyl tertiary butyl ether

ND No detections

NL No defined screening level

NS Not sampled

TPH Total petroleum hydrocarbons

TANK 57 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 57	Steel UST 57	550	Waste Oil

Note:

UST Underground storage tank

TANK INSTALLATION AND REMOVAL

NA	No	Removed	June 1991	NA	NA
Date Installed	Active (Yes, No)	Closed In-place, Removed, Active		Condition of Tank	Condition of Piping

INVESTIGATION CONDUCTED

Number of

Monitoring Wells

1

Note:

NA Information not available

Number of

Soil Borings

5

LEAK AND CONTAMINATION

Identified	a na san san san sa
Source or	아님, 같은 것은 것은 것을 많은 물건을 했다.
	Contaminants Identified in Medium
(Yes, No)	(Soil, Groundwater, None)
No	Soil

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
Quorum. Letter Report of Underground Storage Tank Removal	August 1991
TtEMI. November 1999 Quarterly Report	May 2000

SOIL

SOIL						
Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)		
TPH-p as gasoline			ND (1.2)	150		
TPH-e as diesel			ND (1.2)	400		
Benzene			ND (0.007)	4.4		
Toluene			ND (0.007)	2,700		
Ethylbenzene			ND (0.007)	3,100		
Xylene			ND (0.007)	980		
MTBE			NS	NL		
TPH-e as JP-5			ND (1.2)	NL		
Naphthalene			NS	240		
2-Methylnaphthalene			NS	NL ·		
TPH-e as other heavy components			ND (1.2)	NL		
TPH-e as other light components			ND (1.2)	NL		
TPH-e as kerosene			ND (1.2)	NL		
TPH-e as motor oil	GPT57-4	7/95	83	NL		
Benzo(a)pyrene			NS	0.26		

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit or range in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		Screening Level	
말 집 같이 있는 것이 같아? 승규는 것이 없어?		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline	WT57-1	2/96	38'	-	ND (50)	50	
TPH-e as diesel	WT57-1	2/96	88 ¹	1	ND (100)	700	
Benzene	WT57-1	5/97	2.0		ND (1)	1	
Toluene	WT57-1	2/96	0.92	·	ND (0.5-1)	680	
Ethylbenzene	WT57-1	5/97	0.4		ND (1)	1,000	
Xylene	WT57-1	5/97	0.51		ND (1)	1,750	
MTBE			ND (1)	-	ND (10)	13	
TPH-e as JP-5			ND (100-500)		ND (100-500)	700	
Naphthalene			ND (10)		NS	NL	
2-Methylnaphthalene			ND (10)		NS	NL	
TPH-e as other heavy components	GWT57-4	7/95	350		NS	NL	
TPH-e as other light components		7/95			NS	NL	
TPH-e as kerosene			ND (100)		ND (100)	NL	
TPH-e as motor oil	GWT57-4	7/95	1,900		NS	NL	
Benzo(a)pyrene			ND (10)		NS	NL	

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Estimated concentration

-- No information

GWT Groundwater sample location collected via Geoprobe. No additional samples are available from this location.

JP Jet petroleum

μg/L Micrograms per liter

mg/kg Milligrams per kilogram

MTBE Methyl tertiary butyl ether

ND No detections

NL No defined screening level

NS Not sampled

TPH Total petroleum hydrocarbons

TANK 59 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 59	Oil/Water Separator 59	1,400	Oil/water separator

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

No	None
Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹
Identified	

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of Soil Borings	Number of Monitoring Wells
2	0

Author and Title	Date
PRC. Draft West-Side Aquifers Field Investigation Technical Memorandum, Vol. 1	March 1993
TtEMI. November 1999 Quarterly Report	May 2000

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	(Screening Level (mg/kg)		
TPH-p as gasoline			ND (1.2)	150		
TPH-e as diesel			ND (1.2)	400		
Benzene			ND (0.006)	4.4		
Toluene			ND (0.006)	2,700		
Ethylbenzene			ND (0.006)	3,100		
Xylene		1	ND (0.006)	980		
MTBE			NS	NL		
ТРН-е as JP-5			ND (1.2)	NL		
Naphthalene			NS	240		
2-Methylnaphthalene			NS	NL		
TPH-e as other heavy components	GP59-2	11/94	2.301	NL		
TPH-e as other light components			ND (1.2)	NL		
TPH-e as kerosene			ND (1.2)	NL		
TPH-e as motor oil			ND (12)	NL		
Benzo(a)pyrene			NS	0.26		

SOIL

GROUNDWATER

Chemical	Well Name	2. A set of a second state of a second state of the second stat		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS		NS	50	
TPH-e as diesel			NS		NS	700	
Benzene			NS		NS	1	
Toluene			NS		NS	680	
Ethylbenzene			NS		NS	1,000	
Xylene			NS		NS	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			NS		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			NS		NS	NL	
Вепzo(а)ругепе			NS		NS	NL	

Notes:

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Estimated concentration, surrogate recovery out of quality control limits

No information (not sampled or not detected) --

JP Jet petroleum

μg/L Micrograms per liter

mg/kg

Milligrams per kilogram Methyl tertiary butyl ether MTBE

- No detections ND
- NL No defined screening level
- NS Not sampled
- TPH Total petroleum hydrocarbons

TANKS 62 AND 62A CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Tanks 62 and 62A were installed adjacent to one another inside Building 45 and are discussed together in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 62 /62A	Recirculation tanks UST 62 UST 62A	NA NA	Waste water from paint facilities

Note:

UST Underground storage tank

NA Information not available

LEAK AND CONTAMINATION

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
2	0

Author and Title	Date
Navy. Tank Summary Report Prepared by Don Chuck	1995
TtEMI. November 1999 Quarterly Report	May 2000

S	Ο	Γ	L

Chemical	Sample Name	Date	Soll Concentration (mg/kg) (Detection limit unknown)	Screening Level (mg/kg)
TPH-p as gasoline			ND	150
TPH-e as diesel		`	ND	400
Benzene			ND	4.4
Toluene			ND	2,700
Ethylbenzene			ND	3,100
Xylene			ND	980
MTBE			NS	NL
TPH-e as JP-5			ND	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene			NS	0.26

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit unknown)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			ND		NS	50	
TPH-e as diesel		•	ND		NS	700	
Benzene			ND		NS	1	
Toluene			ND		NS	680	
Ethylbenzene			ND		NS	1,000	
Xylene			ND		NS	1,750	
MTBE			NS	••	NS	13	
TPH-e as JP-5			ND		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			NS		NS	NL	
Benzo(a)pyrene	-		NS		NS	NL	

Notes:

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 - No information (not sampled or not detected)

 JP
 Jet petroleum

 μg/L
 Micrograms per liter

 mg/kg
 Milligrams per kilogram

 MTBE
 Methyl tertiary butyl ether

 ND
 No detections

 NL
 No defined screening level

 NS
 Not sampled

TPH Total petroleum hydrocarbons

TANK 63 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site Number	Tank Type and Number		Contents
Tank 63	Drain sump 63	200	Wastewater

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak	Contaminants Identified in Medium
(Yes, No)	(Soil, Groundwater, None) ¹
No	Soil

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Installed NA	(Yes, ND) No	Closed In-Place	NA	NA	of Piping NA
Date	Active	Closed In-place, Removed,	Date	Condition of Tank	Condition

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
2	0

Author and Title	Date
PRC. Draft West-Side Aquifers Field Investigation Technical Memorandum	March 1993
TtEMI. November 1999 Quarterly Report	May 2000

	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)
			ND (1.2)
			ND (1.2)
	••		ND (0.006)
· · ·			ND (0.006)
	ł		ND (0.006)
			ND (0.006)
	-		NS

(Screening Level

(mg/kg) 150

400

4.4

2,700

3,100

980

NL

NL

240

NL

NL

NL

NL

NL

0.26

SOIL

GROUNDWATER

1/94

1/94

1/94

...

61

NS

NS

17

72

ND (1.2)

NS

NS

GP63-1 (5-7)

GP63-2 (5-7)

GP63-1 (5-7)

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit in parentheses)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS (50)		NS	50	
TPH-e as diesel			ND (52)		NS	700	
Benzene	6 -		ND (0.5)	••	NS	1	
Toluene			ND (0.5)		NS	680	
Ethylbenzene			ND (0.5)		NS	1,000	
Xylene			ND (0.5)		NS	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			ND (52)		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			ND (52)		NS	NL	
TPH-e as other light components			ND (50)		NS	NL	
TPH-e as kerosene			ND (52)		NS	NL	
TPH-e as motor oil			ND (520)		NS	NL	
Benzo(a)pyrene			NS		NS	NL	

Notes:

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No information (not sampled or not detected) JP Jet petroleum μg/L Micrograms per liter mg/kg Milligrams per kilogram Methyl tertiary butyl ether MTBE ND No detections NL No defined screening level NS Not sampled TPH Total petroleum hydrocarbons

Chemical

TPH-p as gasoline

TPH-e as diesel

Ethylbenzene

TPH-e as JP-5 Naphthalene

2-Methylnaphthalene

TPH-e as kerosene

TPH-e as motor oil

Benzo(a)pyrene

TPH-e as other heavy components

TPH-e as other light components

Benzene

Toluene

Xylene

MTBE

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TANK 64 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

■ The Navy recommends tank closure.

□ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 64	Concrete settling basin/ oil skimmer Tank 64	NA	Stormwater diversion box

Note:

UST Underground storage tank

NA Information not available

LEAK AND CONTAMINATION

Identified Source or Leak Contaminants Identified in Medium (Yes, No) (Soil, Groundwater, None)' No None

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

N.S. DELWON MARKET MEDOW	승규가 있다. 영화 문화
Number of	Number of
1.4411041 41	
Soil Borings	Monitoring Wells
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Author and Title	Date
Navy. Tank Closure Summary Report Prepared by Don Chuck	1995
Science Applications International Corporation (SAIC). Soil Removal Project. Storm Drain Channel Area of Investigation	March 1997
TtEMI. November 1999 Quarteriy Report	May 2000

Chemical	Sample Name	Date	Soil Concentration (mg/kg)	Screening Level (mg/kg)
TPH-p as gasoline			NS	150
TPH-e as diesel]	NS	400
Benzene		- {	NS	4.4
Toluene			NS	2,700
Ethylbenzene			NS	3,100
Xylene			NS	980
MTBE			NS	NL
TPH-e as JP-5			NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components		'	NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene	,		NS	0.26

SOIL

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit in parentheses)		Screening Level	
	791 (AT204) 7 47	Date	Concentration	Date	Concentration	(μ g/L)	
TPH-p as gasoline			ND (50)		ND (50)	50	
TPH-e as diesel			ND (50)		ND (50)	700	
Benzene			ND (0.5)		ND (0.5)	·1	
Toluene			ND (0.5)		ND (0.5)	680	
Ethylbenzene			ND (0.5)		ND (0.5)	1,000	
Xylene			ND (0.5)		ND (0.5)	1,750	
MTBE			ND (10)		NS	13	
TPH-e as JP-5			ND (50)		ND (50)	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components	WNB-9	11/92	190 ¹	6/93	67	NL	
TPH-e as other light components	·		ND (0.5)		ND (0.5)	NL	
TPH-e as kerosene			ND		ND (0.5)	NL	
TPH-e as motor oil			ND (500)		ND (500)	NL	
Benzo(a)pyrene	•		NS		NS	NL	

Notes: L

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Estimated concentration

No information (not sampled or not detected) --

JP Jet petroleum

- μg/L Micrograms per liter
- mg/kg MTBE Milligrams per kilogram
- Methyl tertiary butyl ether
- ND No detections
- NL No defined screening level
- NS Not sampled

1.17

TPH Total petroleum hydrocarbons

TANK 65 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

Tank 65 never existed; no soil or groundwater samples were collected. Therefore, there are no summary tables for soil or groundwater for Tank 65.

TANKS 66, 67, 68 AND 91 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Tanks 66, 67, 68, and 91 were all installed near, and were related to the operation of, the former Building 88 dry cleaning facility. Therefore, these tanks are discussed together in the document.

The Navy recommends tank closure.

The Navy recommends further action.

TANK INFORMATION

Slte Number	Tank Type and Number	Tank Size (gallons)	Contents
Tank 66	Concrete sump	Unknown	Dry cleaning effluent
Tank 67	Steel UST 67	16,000	Fuel oil
Tank 68	Concrete UST	Unknown	Dry cleaning effluent
Tank 91	Concrete Sump	700	Dry cleaning effluent

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹	
No	Soil and Groundwater	

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Date Installed	Active (Yes, No)	Closed In-place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping
NA	No	Removed	1990	NA	NA
NA	No	Removed	·1990	Good	Good
NA	No	Removed	1995	NA	ŇĂ
NA	No	Removed	1995	NA	NA

Note: NA

Information not available

INVESTIGATION CONDUCTED

Number of Soil Borings	Number of Monitoring Wells
13	10

Author and Title	Date
PRC. Tank and Sump Removal Summary Report	July 1991
PRC. Final Operable Unit 2-West (Building 88) Project Summary Report	October 1995
TtEMI. November 1999 Quarterly Report	May 2000

MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT MAXIMUM CHEMICAL CONCENTRATIONS – TANKS 66, 67, 68, AND 91

SOLE							
Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit or range in parentheses)	Screening Level (mg/kg)			
TPH-p as gasoline	SB68-1(A)-5-17.5	9/6/90	1.3	150			
TPH-e as diesel	W68-1(A)-5-17.5	6/7/90	150	400			
Benzene	SB68-1(A) (12.5)	9/6/90	0.003'	4.4			
Toluene	TP67-5-7	6/7/90	0.47	2,700			
Ethylbenzene			ND (0.005)	3,100			
Xylene			ND (0.005)	980			
MTBE			NS v	NL			
TPH-e as JP-5			ND (1.3)	NL			
Naphthalene			ND (0.42)	240			
2-Methylnaphthalene			ND (0.42)	NL			
TPH-e as other heavy components			NS	NL			
TPH-e as other light components			NS	NL			
TPH-e as kerosene			ND (1.3 – 100)	NL			
TPH-e as motor oil	SU-66-S-1.5	6/7/90	63	NL			
Benzo(a)pyrene			ND (0.42)	0.26			

SOIL

GROUNDWATER

Chemical	Well Name	Maximum Concentration (μg/L) (Detection limit or range in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline	W9-46	11/5/91	2,000		ND (50)	50	
TPH-e as diesel	W9-46	11/5/91	1,100		ND (50)	700	
Benzene	W9-46	5/24/93	12		ND (0.5)	1	
Toluene	W9-46	5/24/93	. 4		ND (10)	680	
Ethylbenzene	W91-1	11/18/92	0.51		ND (0.5)	1,000	
Xylene	W9-46	12/9/93	3		ND (0.5)	1,750	
MTBE			ND (6)		ND (59)	13	
TPH-e as JP-5			ND (50)		ND (50)	700	
Naphthalene			ND (10)		ND (10)	NL	
2-Methylnaphthalene			ND (10)		ND (10)	NL	
TPH-e as other heavy components	W91-1	6/18/92	350 ¹		ND (50)	NL	
TPH-e as other light components	ERM-4	9/10/92	2,600'	5/18/93	1,700 ¹	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			ND (500)		ND (500)	NL	
Benzo(a)pyrene			ND (10)		NS	NL	

Notes:

 1
 Estimated concentration

 - No information (not sampled or not detected)

 JP
 Jet petroleum

 μg/L
 Micrograms per liter

 mg/kg
 Milligrams per kilogram

 MTBE
 Methyl tertiary butyl ether

 ND
 No detections

 NL
 No defined screening level

NS Not sampled

TPH Total petroleum hydrocarbons

TANK 69 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 69	Steel UST 69	2,000	Waste water from parts rinsing

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak	Contaminants Identified in Medium
(Yes, No)	(Soil, Groundwater, None)
No	None

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

Date Installed	Active (Yes, No)	Closed In-place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping
NA	No	Removed	1991	NA	NA

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of		
Soil Borings	Monitoring Wells		
5	1		

Author and Title	Date
Quorum. Letter Report of Underground Storage Tank Removal	August 1991
PRC. Final Stationwide Remedial Investigation Report	May 1996
TtEMI. November 1999 Quarterly Report	May 2000

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Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			ND (1.2)	150
TPH-e as diesel			ND (1.2)	400
Benzene	GPT69-03 (6.5)	7/95	0.00071	4.4
Toluene	GPT69-03 (6.5)	7/95	0.0011	2,700
Ethylbenzene		8 -2	ND (0.006)	3,100
Xylene			NS	980
MTBE			ND (0.006)	NL
TPH-e as JP-5			ND (1.2)	NL
Naphthalene			ND (0.41)	240
2-Methylnaphthalene			ND (0.41)	NL
TPH-e as other heavy components			ND (1.2)	NL
TPH-e as other light components			ND (1.2)	NL
TPH-e as kerosene	. 		ND (1.2)	NL
TPH-e as motor oil			ND (12)	NL
Benzo(a)pyrene			ND (0.41)	0.26

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			ND (50)		ND (50)	50	
TPH-e as diesel	·		ND (100)		ND (100)	700	
Benzene	GWT69-1	7/95	0.06		ND (0.5)	1	
Toluene		-	ND (0.5)		ND (0.5)	680	
Ethylbenzene		'	ND (0.5)		ND (0.5)	1,000	
Xylene			ND (0.5)		ND (0.5)	1,750	
MTBE			NS		ND (10)	13	
TPH-e as JP-5			ND (100)		ND (100)	700	
Naphthalene			ND (10)		ND (10)	NL	
2-Methylnaphthalene			ND (10)		ND (10)	NL	
TPH-e as other heavy components			ND (50)		ND (50)	NL	
TPH-e as other light components			ND (50)		ND (50)	NL	
TPH-e as kerosene			ND (100)		ND (100)	NL	
TPH-e as motor oil	WT69-1	8/95	52'		ND (100-500)	NL	
Benzo(a)pyrene			ND (10)		ND (10)	NL	

Notes: L

Estimated concentration

No information (not sampled or not detected)

GWT Groundwater sample collected via Geoprobe. No additional samples are available from this location.

JP Jet petroleum

Micrograms per liter μg/L

mg/kg

Milligrams per kilogram Methyl tertiary butyl ether MTBE

ND No detections

- NL No defined screening level
- NS Not sampled
- TPH Total petroleum hydrocarbons

TANK 77 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

	Tank Type and Number		
Tank 77	Fiberglass 77	1,360	Diesel

Note:

UST Underground storage tank

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹
No	Groundwater

Note:

1 -

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
Navy. Final Summary Report for Underground Storage Tank 77, Closure in Place	April 1995
TtEMI. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of Soil Borings	Number of Monitoring Wells
0	0

ES-35

SOIL						
Chemical	Sample Name	Date -	Soll Concentration (mg/kg) (Detection limit or range in parentheses).	Screening Level (mg/kg)		
TPH-p as gasoline			NS	150		
TPH-e as diesel	77-E-8	4/95	ND (1)	400		
Benzene			NS	4.4		
Toluene			NS	2,700		
Ethylbenzene			NS	3,100		
Xylene			NS	980		
MTBE		-	NS	NL		
TPH-e as JP-5			NS	NL		
Naphthalene			NS	240		
2-Methylnaphthalene			NS	NL		
TPH-e as other heavy components		·	NS	NL		
TPH-e as other light components			NS	NL		
TPH-e as kerosene			NS	NL		
TPH-e as motor oil			NS	NL		
Benzo(a)pyrene	**		NS	0.26		

GROUNDWATER

Chemical	Well Name	And an and hat she seal that the seal of the states		Most Rec Sa	Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)
TPH-p as gasoline	77-W-8	4/95	ND (50)		NS	50
TPH-e as diesel	77-W-8	4/95	62		NS	700
Benzene	77-W-8	4/95	0.51		NS	1
Toluene	77-W-8	4/95	0.56		NS	680
Ethylbenzene	77-W-8	4/95	ND (0.50)		NS	1,000
Xylene	77-W-8	4/95	1.4		NS	1,750
MTBE			NS		NS	13
TPH-e as JP-5			NS		NS	700
Naphthalene			NS		NS	NL
2-Methylnaphthalene			NS		NS	NL
TPH-e as other heavy components			NS		NS	NL
TPH-e as other light components			NS		NS	NL
TPH-e as kerosene			NS		NS	NL
TPH-e as motor oil	77-W-8	4/95	16		NS	NL
Benzo(a)pyrene			NS		NS	NL

Notes:

No information (not sampled or not detected) --

Groundwater sample collected via grab sample. No additional samples are available from this location. GWT

Jet petroleum JP

μg/L

Micrograms per liter Milligrams per kilogram Methyl tertiary butyl ether mg/kg

MTBE

- ND No detections
- NL No defined screening level

NS Not sampled

TPH Total petroleum hydrocarbons

TANK 78 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 78	Fiberglass UST	1,000	Containment bay for acid storage

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Leak	Contaminants Identified in Medium
(Yes, No)	(Soil, Groundwater, None)
(Yes, No) No	(Soil, Groundwater, None)

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
PRC. Final Stationwide Remedial Investigation Report	May 1996
Navy. Tank Closure Summary Report Prepared by Don Chuck	1995
TtEMI. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

NA	No	Removed	January	NA	NA
Date Installed	ACLIVE	Closed In-place, Removed, Active	Date	Condition	Condition of Piping

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
0	0

SOIL

Chemical	Sample Name	Date	Soll Concentration (mg/kg) (Detection limit or range in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline	**		ND (1)	150
TPH-e as diesel			NS	400
Benzene			ND (0.005)	4.4
Toluene			ND (0.005)	2,700
Ethylbenzene			ND (0.005)	3,100
Xylene	·		ND (0.005)	980
MTBE			NS	NL
TPH-e as JP-5			NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene			NS	0.26

GROUNDWATER

Chemical	Well Name	a nào na maos a	um Concentration (µg/L)	The second state of the se	Most Recent Groundwater from Same Well (µg/L)	
	· · · · · · · · · · · · · · · · · · ·	Date	Concentration	Date 🦉	Concentration	(µg/L)
TPH-p as gasoline			NS	1	NS	50
TPH-e as diesel			NS		NS	700
Benzene			NS		NS	1
Toluene			NS		NS	680
Ethylbenzene		-	NS		NS	1,000
Xylene			NS		NS	1,750
MTBE			NS		NS	13
TPH-e as JP-5			NS		NS	700
Naphthalene			NS		NS	NL
2-Methylnaphthalene			NS		NS	NL
TPH-e as other heavy components			NS		NS	NL
TPH-e as other light components		1	NS	—	NS	NL
TPH-e as kerosene			NS		NS	NL
TPH-e as motor oil			NS	-	NS	NL
Benzo(a)pyrene			NS		NS	NL

Notes:

	No information (not sampled or not detected)
ЛР	Jet petroleum
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
MTBE	Methyl tertiary butyl ether
ND	No detections
NL	No defined screening level
NS	Not sampled

TPH Total petroleum hydrocarbons

TANKS 86A AND 86B CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Tanks 86A and 86B were installed together in the same excavation and are discussed together in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site Number	Tank Type and Number	Tank Size (gallons)	Contents
Tank	Steel UST 86A	5,000	Gasoline
86A/86B	Steel UST 86B	7,000	Diesel

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ⁴
No	Groundwater

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
PRC. Final Stationwide Remedial Investigation Report	May 1996
TtEMI. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

Note: NA

Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
3	1

SOIL Soil Concentration (mg/kg) Screening (Detection limit in parentheses) Chemical Sample Name Level (mg/kg) Date ND (13) 150 TPH-p as gasoline ---ND (12) 400 TPH-e as diesel ------ND (0.066) 4.4 Benzene -----ND (0.066) 2,700 Toluene -------3,100 ND (0.066) Ethylbenzene •• ---980 ND (0.066) Xylene ------NL MTBE ŃS -----ND (12) NL TPH-e as JP-5 ------240 NS Naphthalene . ---NL 2-Methylnaphthalene NS ------NS NĹ TPH-e as other heavy components -----GPT86B-1 6/95 190¹ NL TPH-e as other light components NL ND (12) TPH-e as kerosene ---------ND (12) NL TPH-e as motor oil ---NS 0.26 Benzo(a)pyrene -----

GROUNDWATER

Chemical Well Name		Maximum Concentration (μg/L) (Detection limit or range in parentheses)		Most Recent Groundwater from Same Well (µg/L) (Detection limit or range in parentheses)		-Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline	WT86B-1	2/96	910'		ND (50)	50	
TPH-e as diesel			ND (100)		ND (100)	700	
Benzene	WT86B-1	2/96	28'		ND (1)	. 1	
Toluene	WT86B-1	2/97	ND (0.5-1)		ND (0.5-1)	680	
Ethylbenzene	WT86B-1	2/96	1.3		ND (0.5)	1,000	
Xylene	GWT86B-1	6/95	6		NS	1,750	
MTBE			ND (1)		ND (10)	13	
TPH-e as JP-5			ND (100-500)		ND (100-500)	700	
Naphthalene			ND (10)		ND (10)	NL	
2-Methylnaphthalene			ND (10)		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components	GWT86B-1	6/95	5,900 ¹		NS	NL	
TPH-e as kerosene			ND (100)		NS	NL	
TPH-e as motor oil			ND (100)		ND (100)	NL	
Benzo(a)pyrene			ND (10)		NS	NL	

Notes:

Notes:	
1	Estimated concentration, surrogate recovery out of quality control limits.
	No information (not sampled or not detected)
GWT	Groundwater sample collected via Geoprobe. No additional samples are available from this location.
JP	Jet petroleum
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
MTBE	Methyl tertiary butyl ether
ND	No detections
NL	No defined screening level
NS	Not sampled
TPH	Total petroleum hydrocarbons

TANK 88 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site Number	Tank Type and Number		Contents
Tank 88	Steel Tank 88	500	Wastewater

Note:

UST Underground storage tank

TANK INSTALLATION AND REMOVAL

Note:

NA Information not available

INVESTIGATION CONDUCTED

LEAK AND CONTAMINATION

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

Author and Title	Date
Navy. Tank Summary Report Prepared by Don Chuck	1995
TtEMI. November 1999 Quarterly Report	May 2000

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			ND (1)	150
TPH-e as diesel			ND (1)	400
Benzene	,		NS	4.4
Toluene			NS	2,700
Ethylbenzene			NS	3,100
Xylene			NS	980
MTBE			NS	NL
TPH-e as JP-5			ŃS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene			NS	0.26

SOIL

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L)		Most Recent Groundwater from Same Well (µg/L)		Screening	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS		NS	50	
TPH-e as diesel			NS		NS	700	
Benzene			NS		NS	1	
Toluene			NS		NS	680	
Ethylbenzene			NS		NS	1,000	
Xylene			NS		NS	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			NS	-	NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			NS		NS	NL	
Benzo(a)рутепе			NS		NS	NL	

Notes:

	No information (not sampled or not detected)
ЛР	Jet petroleum
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
MTBE	Methyl tertiary butyl ether
ND	No detections
NL	No defined screening level
NS	Not sampled
TPH	Total petroleum hydrocarbons

TANK 106 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends site closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 106	UST 106	5,000	Gasoline

Note:

UST Underground Storage Tank

TANK INSTALLATION AND REMOVAL

Note:

NA Not available

Number of

Soil Borings

4

INVESTIGATION CONDUCTED

Number of

Monitoring Wells

0

Note:

1

Contaminants are defined as compounds exceeding instrument detection limits

LEAK AND CONTAMINATION

	Author and	d Title		Date
TtEMI. November 1999 (Quarterly Report			May 2000

SOIL						
Chemical	Sample Name	Date	Soil Concentration (mg/kg)	Screening Level (mg/kg)		
TPH-p as gasoline			NS	150		
TPH-e as diesel			NS	400		
Benzene			NS	4.4		
Toluene			NS	2,700		
Ethylbenzene			NS	3,100		
Xylene			NS	980		
MTBE	—		NS	NL		
TPH-e as JP-5			NS	NL		
Naphthalene			NS	240		
2-Methylnaphthalene			NS	NL		
TPH-e as other heavy components	 1		NS	NL		
TPH-e as other light components			NS	NL		
TPH-e as kerosene			NS	NL		
TPH-e as motor oil			NS	NL		
Benzo(a)pyrene	`	**	NS	0.26		

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit in parentheses)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			ND (50)		NS	50	
TPH-e as diesel	UST106-SB-011	8/99	100		NS	700	
Benzene			ND (0.5)		NS	1	
Toluene			ND (0.5)		NS	680	
Ethylbenzene			ND (0.5)		NS	1,000	
Xylene			ND (1)		NS	1,750	
MTBE			ND (1)		NS	13	
TPH-e as JP-5			ND (100)		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			ND (100)		NS	NL	
Benzo(a)pyrene			NS		NS	NL	

Notes:

10000		
ı	Groundwater sample collected via Hydropunch.	No additional samples are available from this location.
	No information (not sampled or not detected)	
JP	Jet petroleum	
μg/L	Micrograms per liter	
mg/kg	Milligrams per kilogram	
MTBE	Methyl tertiary butyl ether	
ND	No detections	
NL	No defined screening level	
NS	Not sampled	

TPH Total petroleum hydrocarbons

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TANK 110 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 110	Steel UST 110	2,000	Diesel

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None)
No	None

Note:

÷.

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
Navy. Tank Summary Report Prepared by Don Chuck	1995
TtEMI. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

NA	No	Removed	April 1994	NA	NA
Date Installed	Active (Yes, No)	Closed In-place, Removed, Active	Date Closed	Condition of Tank	Condition of Piping

Note:

NA Information not available

INVESTIGATION CONDUCTED

Son Polings	Wionitoring wells
0	U

SOIL

Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline			NS	150
TPH-e as diesel			ND (1)	400
Benzene			ND (0.1)	4.4
Toluene	-		ND (0.1)	2,700
Ethylbenzene			ND (0.1)	3,100
Xylene			ND (0.1)	980
MTBE			NS	NL
TPH-e as JP-5			NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene			NS	0.26

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS		NS	50	
TPH-e as diesel			NS		, NS	700	
Benzene			NS		NS	. 1	
Toluene			NS		NS	680	
Ethylbenzene		-	NS	*	NS	1,000	
Xylene			NS		NS	1,750	
MTBE			NS		NS	13	
TPH-e as JP-5			NS		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			NS		NS	NL	
Benzo(a)pyrene			NS		NS	NL	

Notes:

HOLES.	
	No information (not sampled or not detected)
JP	Jet petroleum
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
MTBE	Methyl tertiary butyl ether
ND	No detections
NL	No defined screening level
NS	Not sampled
TPH	Total petroleum hydrocarbons

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TANK 111 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends site closure.
- □ The Navy recommends further action.

TANK INFORMATION

	Tank Type and Number		Contents
Tank 111	Steel UST 111	2,500	Fuel Oil

Note:

UST Underground storage tank

TANK INSTALLATION AND REMOVAL

Note:

NA Not available

INVESTIGATION CONDUCTED

Number of	Number of
Soll Borings	Monitoring Wells
4	0

LEAK AND CONTAMINATION

Yes	None
Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None) ¹
Identified	

Note:

¹ Contaminants are defined as compounds detected exceeding instrument detection limits.

Author and Title	Date
Navy. Tank Closure Summary Report Prepared by Don Chuck	1995
TtEMI. November 1999 Quarterly Report	May 2000

SOL SOL						
Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limits in parentheses)	Screening Level (mg/kg)		
TPH-p as gasoline	TK111-SP-001	11/1/95	0.13	150		
TPH-e as diesel	TK111-SP-001	11/1/95	64.1	400		
Benzene	·		ND (0.005)	4.4		
Toluene			ND (0.005)	2,700		
Ethylbenzene		` 	ND (0.005)	3,100		
Xylene			ND (0.005)	980		
MTBE			NS	NL		
TPH-e as JP-5			ND (15)	NL		
Naphthalene	•-		ND (0.07)	240		
2-Methylnaphthalene			NS	NL		
TPH-e as other heavy components			NS	NL		
TPH-e as other light components			NS	NL		
TPH-e as kerosene	UST111-SB-01	8/25/99	NS	NL		
TPH-e as motor oil			12	NL		
Benzo(a)pyrene			ND (0.0028)	0.26		

SOIL

GROUNDWATER

Well Name		Maximum Concentration (µg/L) (Detection limit in parentheses)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			ND (50)			50	
TPH-e as diesel			ND (100)			700	
Benzene			ND (0.5)			1	
Toluene			ND (0.5)			680	
Ethylbenzene			ND (0.5)			1,000	
Xylene	UST111- SB-04	8/99	4.4	NS	NS	1,750	
MTBE			ND (1)			13	
TPH-e as JP-5			ND (100)			700	
Naphthalene			NS	-		NL	
2-Methylnaphthalene			NS			NL	
TPH-e as other heavy components			NS			NL	
TPH-e as other light components			NS			NL	
TPH-e as kerosene			NS			NL	
TPH-e as motor oil			ND (100)			NL	
Benzo(a)pyrene			NS			NL	

Notes:

--No information (not sampled or not detected)JPJet petroleumμg/LMicrograms per litermg/kgMilligrams per kilogramMTBEMethyl tertiary butyl etherNDNo detectionsNLNo defined screening levelNSNot sampledTPHTotal petroleum hydrocarbons

TANK 112 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends site closure.
- □ The Navy recommends further action.

Tank 112 never existed; no soil or groundwater samples were collected. Therefore, there are no summary tables for soil or groundwater for Tank 112.

TANK 116 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

The Navy recommends site closure.

□ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 116	Steel UST 116	5,000	Aviation Gasoline

Note:

UST Underground storage tank

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None)
Yes	Soil

Note:

¹ Contaminants are defined as compounds exceeding instrument detection limits.

REPORTS

Author and Title	Date
Navy. Tank Closure Summary Report Prepared by Don Chuck	1995
ECC. 1996. Draft Closure Report for Mod. #3. Underground Storage Tank Removal at Moffett Federal Airfield	January 1996
TtEMI. November 1999 Quarterly Report	May 2000

TANK INSTALLATION AND REMOVAL

INVESTIGATION CONDUCTED

Number of	Number of
Soil Borings	Monitoring Wells
4	0

Chemical	Sample Name	Date	Soll Concentration (mg/kg) (Detection limit in parentheses)	Screening Level (mg/kg)
TPH-p as gasoline	TK116-EX-001	11/1/95	5.1	150
TPH-e as diesel	TK116-EX-003	11/1/95	371	400
Benzene	••• ,		ND (0.005)	4.4
Toluene	TK116-EX-001	11/1/95	0.01	2,700
Ethylbenzene	TK116-EX-001	11/1/95	ND (0.006)	3,100
Xylene	TK116-EX-001	11/1/95	0.028	980
MTBE			NS	NL
TPH-e as JP-5	••	1	NS	NL
Naphthalene			NS	240
2-Methylnaphthalene			NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene				NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene	·		NS	0.26

SOIL

GROUNDWATER

Chemical	Weli Name	Maximum Concentration 		Most Recent Groundwater From Same Well (µg/L)		Screening Level	
에 관한 위험 가슴을 실망했다. 실망을 다 날랐다. 1월 19일 년 - 일이 가지 말 같은 물 가지 않는 것을 통 1월 19일 년 - 일이 가지 말 같은 물 가지 않는 것을 통		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			ND (50)			50	
TPH-e as diesel			NS	-		700	
Benzene			ND (0.5)			1	
Toluene			ND (0.5)			680	
Ethylbenzene			ND (0.5)			1,000	
Xylene			ND (1)			1,750	
MTBE			ND (1)			13	
TPH-e as JP-5			NS			700	
Naphthalene			NS			NL	
2-Methylnaphthalene			NS		· ·	NL	
TPH-e as other heavy components			NS			NL	
TPH-e as other light components			NS			NL	
TPH-e as kerosene			NS			NL	
TPH-e as motor oil			NS			NL	
Benzo(a)pyrene			NS			NL	

Notes:

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	No information (not sampled or not detected)
ЛР	Jet petroleum
μg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
MTBE	Methyl tertiary butyl ether
N/A	Not applicable
ND	Not detected
NS	Not sampled
TUDIT	

TPH Total petroleum hydrocarbons

TANK 123 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends site closure.
- The Navy recommends further action.

Tank 123 never existed; no soil or groundwater samples were collected. Therefore, there are no summary tables for soil or groundwater for Tank 123.

TANK 130 CLOSURE CHECKLIST

A tank closure checklist is included in this Executive Summary for each of the tanks assessed in this Tank Closure Report. Because all tanks were evaluated separately and are located far apart, each tank and its site conditions will be presented separately in the document.

- The Navy recommends tank closure.
- □ The Navy recommends further action.

TANK INFORMATION

Site	Tank Type	Tank Size	Contents
Number	and Number	(gallons)	
Tank 130	Sump 130	NA	Waste water from a battery locker

Note:

UST Underground storage tank

NA Information not available

LEAK AND CONTAMINATION

Identified Source or Leak (Yes, No)	Contaminants Identified in Medium (Soil, Groundwater, None)
No	None

Note:

¹ Contaminants are defined as petroleum compounds exceeding instrument detection limits.

TANK INSTALLATION AND REMOVAL

NA	NA	Closed In-place	NA	NA	NA
Date Installed				Condition of Tank	

Note:

NA Information not available

INVESTIGATION CONDUCTED

Number of	Number of
Soll Borings	Monitoring Wells
• 2	0

Author and Title	Date	
PRC. Final Additional Petroleum Sites Investigation Technical Memorandum	August 1996	
TtEMI. November 1999 Quarterly Report	May 2000	

		BOIL		
Chemical	Sample Name	Date	Soil Concentration (mg/kg) (Detection limits in parentheses)	(Screening Level (mg/kg)
TPH-p as gasoline			NS	150
TPH-e as diesel			NS	400
Benzene	95 ⁽		ND (0.012)	4.4
Toluene			ND (0.012)	2,700
Ethylbenzene			ND (0.012)	3,100
Xylene			ND (0.012)	980
MTBE			NS	NL
TPH-e as JP-5			NS	NL
Naphthalene			NS	240
2-Methylnaphthalene	·		NS	NL
TPH-e as other heavy components			NS	NL
TPH-e as other light components			NS	NL
TPH-e as kerosene			NS	NL
TPH-e as motor oil			NS	NL
Benzo(a)pyrene		·	NŠ	0.26

SOIL

GROUNDWATER

Chemical	Well Name	Maximum Concentration (µg/L) (Detection limit in parentheses)		Most Recent Groundwater from Same Well (µg/L)		Screening Level	
		Date	Concentration	Date	Concentration	(µg/L)	
TPH-p as gasoline			NS		NS	50	
TPH-e as diesel		a - a	NS		NS	700	
Benzene	-		ND (2)		NS	1.	
Toluene			ND (2)		NS	680	
Ethylbenzene			ND (2)	-	NS	1,000	
Xylene			ND (2)		NS	1,750	
MTBE			NS	1	NS	13	
TPH-e as JP-5			NS		NS	700	
Naphthalene			NS		NS	NL	
2-Methylnaphthalene			NS		NS	NL	
TPH-e as other heavy components			NS		NS	NL	
TPH-e as other light components			NS		NS	NL	
TPH-e as kerosene			NS		NS	NL	
TPH-e as motor oil			ŇS		NS	NL	
Benzo(a)pyrene			NS		ŇŠ	NL	

Notes:

No information (not sampled or not detected) ---

JР Jet petroleum

Micrograms per liter μg/L

mg/kg MTBE

Milligrams per kilogram Methyl tertiary butyl ether

ND No detections

NL No defined screening level

NS Not sampled

TPH Total petroleum hydrocarbons

1.0 INTRODUCTION

The U.S. Navy requests closure of tank sites at Moffett Federal Airfield (MFA), Santa Clara County, California, that meet prescribed action levels for soil and groundwater. Tank sites at MFA are evaluated and closed separately from the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites under the guidance of the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). The ultimate goal of tank site evaluation at MFA is to obtain site closure with no further required action. RWQCB guidance drives tank site evaluation methodology and RWQCB ultimately grants site closure.

In 1994, RWQCB and the Navy reached agreement on petroleum action levels in groundwater and soil at MFA (California Environmental Protection Agency [Cal/EPA] 1994). Thirty tank sites that meet these action levels have been compiled in this document to expedite their closure. Petroleum site evaluation in this document is driven by the data quality objectives (DQOs) presented in Section 3.0. Included are tanks associated with Installation Restoration Program (IRP) Site 5 (Tanks 15, 18, 30, and 31), Site 14 (Tanks 67 and 68), Site 15 (Tanks 54, 59, 62, 62A, 63, 64, and 130) and Site 18 (Tank 66); also included are tank sites from other areas at MFA: Tanks 22, 28, 41B, 55, 57, 69, 77, 78, 86A, 86B, 88, 91, 106, 110, 111, and 116 (Figure 1). Five additional tank sites (Tanks 27, 51, 65, 112 and 123) where tanks were never installed are also addressed. Other tank areas at MFA that do not meet the action levels are evaluated further in appendices to the Final Basewide Petroleum Site Evaluation Methodology Technical Memorandum (TM) (Tetra Tech EM Inc. [TtEMI] 1998).

This tank site closure report is organized as follows. Section 2.0 presents regulatory background information and summarizes the evaluation criteria to be used for each site. Section 3.0 presents data quality objectives. Section 4.0 presents background, previous tank site investigations, physical site characteristics, the nature and extent of contamination, a low-risk criteria checklist, and conclusions for each tank site. Risk assessments are not included in this document because all tank sites meet the agreed upon action levels discussed in Section 2.0. Section 5.0 describes basewide geology. Section 6.0 discusses the conclusion for the tank sites closure report. Section 7.0 presents references cited. Figures and tables are located after Section 7.0.

Appendices follow the figures and tables. Appendix A presents Santa Clara County Tank Closure Inspection Information, and Appendix B presents soil borehole logs and monitoring well diagrams. The RWQCB request-for-no-further-action Access database will be provided with the final version of this report.

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2.0 REGULATORY BACKGROUND

In 1994, Cal/EPA, including the Department of Toxic Substances Control (DTSC) and RWQCB, and the Navy reached consensus on petroleum action levels in groundwater and soil at MFA (Cal/EPA 1994). The action levels were set for total petroleum hydrocarbons (TPH) and individual petroleum constituents. The groundwater action goals were set at the maximum contaminant levels (MCLs) for the constituents of concern; for individual benzene, toluene, ethylbenzene, and xylene (BTEX) action levels in soils, the risk-based U.S. Environmental Protection Agency (EPA) Preliminary Remediation Goals (PRGs) for industrial sites were selected (Cal/EPA 1994). Groundwater and soil action levels for TPH are separated into two main categories: TPH purgeable (TPH-p) as gasoline and BTEX, and TPH extractable (TPH-e) as diesel or jet petroleum (JP)-5. These action levels for soil and groundwater are summarized below.

Constituent	Soil milligrams per kilogram (mg/kg)	Groundwater micrograms per liter (µg/L)
TPH-p	150	50
TPH-e	400	700
Benzene	4.4	1
Toluene	2,700	680
Ethylbenzene	3,100	1,000
Xylene	980	1,750

These action levels are considered to be conservative (protective) because the State of California petroleum corrective action philosophy and approach changed significantly in 1995 (TtEMI 1998). Although the California State Water Resources Control Board (SWRCB) revised its policy for petroleum sites, tank areas evaluated in this document all meet the more protective action levels established for MFA in 1994.

In March 1999, the California Department of Health Services (DHS) established an action level for methyl tertiary butyl ether (MTBE). The California drinking water action level for MTBE is 13 micrograms per liter (μ g/L). In addition, pursuant to State of California Health and Safety Code 25299.37.1 (amended by California State Senate Bill 989), testing for MTBE is required for all underground storage tank (UST) sites that may have contained gasoline before RWQCB can issue a closure letter. The presence of MTBE may be assessed by direct sampling or by reviewing TPH-p chromatograms of a groundwater sample downgradient from the tank area. As agreed upon by the Navy and RWQCB, if the chromatogram does not indicate the presence of MTBE, closure may be

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recommended. If the review indicates the presence of MTBE, the recommended action is closure, conditional on the collection of one groundwater sample with an MTBE result less than 13 μ g/L.

3.0 DATA QUALITY OBJECTIVES

DQOs for petroleum sites at MFA direct the methodology of this evaluation. The following sections identify and respond to the seven steps identified in EPA's DQO Process for Superfund (EPA 1999). The seven steps are summarized in Table 1.

3.1 STEP 1: STATE THE PROBLEM

Twenty of the 35 tank sites evaluated in this document contained petroleum products that may have been released to the environment. The problem is to determine whether concentrations of petroleum products in soil and groundwater at each site exceed action levels. Chemicals of concern (COCs) identified in soil and groundwater include TPH-e as diesel, JP-5, motor oil, other heavy and light TPH components, TPH-p as gasoline, and BTEX constituents. Potential exposure pathways and receptors are illustrated in the petroleum conceptual site model (Figure 2). Potential exposure pathways include infiltration to groundwater; groundwater transport; volatilization of contaminants into the atmosphere; migration of volatiles into enclosed space; and exposure to contaminated soils. Potential receptors include surface water, groundwater, supply wells, ecological receptors, and occupational and construction workers. Potential exposure pathways and receptors for petroleum site at MFA are discussed in more detail in the TM.

3.2 STEP 2: IDENTIFY THE DECISION

The tank site evaluation is designed to provide the information required to make the following decisions (Figure 3):

- Has a petroleum release occurred?
- Do concentrations of petroleum constituents in soil or groundwater exceed action levels?
- Can site closure be requested based on existing MTBE data? (Is the MTBE concentration below 13 µg/L?)

3.3 STEP 3: IDENTIFY THE INPUTS TO THE DECISION

The decisions for tank site closure are evaluated using historical site or tank information, soil and groundwater data from previous investigations, and regulatory guidance. Tank removal observations and

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soil and groundwater data are used to assess whether a petroleum release has occurred. Constituent concentrations are evaluated based on investigation data. Action levels are the values agreed upon between RWQCB and the Navy in 1994.

3.4 STEP 4: DEFINE THE STUDY BOUNDARIES

The study boundaries are defined as the area surrounding each tank site that may have been affected by a petroleum release. Investigation data were collected in the area where releases were suspected to have occurred based on tank locations, field observations of the release, and groundwater flow direction. Soil and groundwater samples were collected from the tank excavations, upgradient, and up to 120 feet downgradient of the tank locations. Sample locations for each site are discussed in Section 4.0.

3.5 STEP 5: DEVELOP A DECISION RULE

The following decision rules were used in tank site evaluation:

• <u>Petroleum release</u>: If petroleum is observed in the excavation, soil or groundwater results indicate the presence of petroleum constituents, or holes or cracks were observed in the tank or tank piping, then it is assumed that a petroleum release has occurred and the next decision rule will be evaluated. If a petroleum release is not evidenced, MTBE will be evaluated if the tank held gasoline. If a release is not evident and the tank did not hold gasoline, then the site will be recommended for closure.

- <u>Action levels</u>: If soil and groundwater results do not exceed the action levels, then the next decision rule will be evaluated. If soil and groundwater results exceed the action levels, then the petroleum site will be evaluated further in an appendix to the TM.
- <u>MTBE</u>: If there are MTBE data indicating concentrations less than 13 µg/L, then site closure will be requested. If there are no MTBE data, or MTBE results exceed 13 µg/L, then further evaluation will be required.

3.6 STEP 6: SPECIFY LIMITS ON DECISION ERRORS

Limits on decision errors are specified to limit uncertainty in the analytical data and in the results of statistical tests. Areas of uncertainty in the analytical data include error related to the analytical method, sampling, and sample heterogeneity. Measurement quality objectives (MQOs) were established to verify that data quality and quantity requirements were met. The analytical uncertainties were checked through established quality assurance and quality control (QA/QC) procedures.

Limiting decision errors due to sampling design goals was not directly applicable to this investigation because the primary objective of tank site investigations is to assess whether a release of petroleum has

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occurred. Sampling was performed using a judgmental sampling design to target areas of potential release. Because a nonprobability-based design was used, the number of samples collected was not determined by statistical analysis of existing data (EPA 1999).

3.7 STEP 7: OPTIMIZING THE DESIGN FOR OBTAINING DATA

Sample locations were selected using a nonprobability-based design on a biased basis using site-specific information, such as tank location and groundwater flow directions, to identify the presence of petroleum releases. Because a nonprobability-based design was used, the number of samples collected was not determined by statistical analysis of existing data (EPA 1999); instead, it was based on site-specific information such as tank location, known spill area, tank contents, and groundwater flow direction.

4.0 SITE BACKGROUND, PREVIOUS INVESTIGATIONS, NATURE AND EXTENT OF CONTAMINATION, LOW-RISK CRITERIA CHECKLIST, AND CONCLUSIONS

The following sections are subdivided into subsections: site history, investigation efforts, nature and extent of contamination, a low-risk criteria checklist presented in Table 2, and a conclusion for each site. Tanks, as used in this report, refer to liquid storage or diversion structures, and include USTs, a stormwater diversion box, sumps, and oil/water separators. Although some sites contained sumps or catch basins, they are all referred to by their tank number in this report for consistency.

4.1 TANK 15

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.1.1 Background

Tank 15 was a 1,000-gallon diesel UST used to supply fuel to an emergency generator. The tank was located between the two parallel runways, approximately 20 feet west of Building 252 (radar building) (Figure 4). The tank was installed in a revetment with only a few feet of the tank below ground surface. Tank 15 was located at these coordinates: latitude 37.42027 and longitude 122.05021. Santa Clara County Tank Closure Inspection Information is provided in Appendix A.

4.1.2 Previous Tank-Site Investigation

Tank 15 was removed in December 1992 and the tank was in good condition. Three soil samples were collected at the time of the excavation. In July 1993, the Navy conducted an additional removal action to overexcavate the area. The excavation was extended north, where soil was stained and a petroleum odor was observed. This excavation was extended northward approximately 6 to 8 feet from the north end of the original excavation where a concrete electrical conduit was encountered (PRC 1995a). One soil sample was collected on each side of this conduit. The excavated material was transported to a staging area for later treatment or disposal and the excavation was backfilled with clean material. No water was observed in the excavation.

4.1.3 Physical Site Characteristics

Tank 15 was located in a grassy area between the runways near a radar building (Building 252). The nearest surface water body is the stormwater retention pond over 3,000 feet to the north.

4.1.4 Nature and Extent of Contamination

Tank 15, associated piping, or overfills were the potential sources of contamination at the Tank 15 area. The tank has been removed and the area was overexcavated. No free product was encountered during investigations at Tank 15. Three soil samples were collected during the initial investigation (Tank 15-South, Tank 15-North, and Tank 15-Pipe) and analyzed for TPH-e as diesel and BTEX. During this initial investigation, TPH-e as diesel was detected at concentrations exceeding cleanup criteria in the north soil sample (Tank 15-North) at 4,400 mg/kg. No other petroleum compound was detected at concentrations greater than action levels. A subsequent investigation in July 1993 removed the soil surrounding the Tank 15-North sample. The soil samples TN15-S-001 and TN15-S-002 collected during this investigation did not contain petroleum compounds above action levels. The following table presents data that are indicative of maximum petroleum constituent concentrations that remain in soil. All soil data are presented in Table 3. Groundwater was not encountered in the excavation; therefore, groundwater samples were not collected from this investigation.

	TAN	K 15 INV	ESTIGATI	ON DATA S	UMMARY		
		Maxim	um Concer	itration (Det	ection llmit in J	parentheses)	
Medium	TPH-p (Gasoline)	TPH-e (Diesel)	ТРН-е (JP-5)	В	T	E	x
Soil (mg/kg)	NA	32	NA	ND (0.005)	0.0057	0.014	0.15
Soil Action Levels	150	400	400	4.4	2,700	3,100	980

Notes:

NA Not analyzed

ND Nondetect

4.1.5 Low-Risk Criteria

Tank 15 meets the low-risk soil and groundwater criteria evaluation summarized in Table 2.

4.1.6 Conclusion

Tank 15 was removed in 1992. Although, TPH-e as diesel was detected above action levels in one sample in 1992, the soil surrounding this sample was excavated in a second field investigation in 1993. Soil samples from the 1993 excavation and areas not overexcavated in 1992 did not contain petroleum constituent concentrations greater than action levels. Because Tank 15 held diesel, MTBE is not a potential contaminant of concern at this site. The Navy, therefore, recommends closure for Tank 15.

4.2 TANK 18

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.2.1 Background

Former Tank 18 was located near Building 300 (Figure 5). Tank 18 was a 935-gallon diesel storage UST. Personnel in Building 300 used this tank to supply diesel to emergency generators. Former Tank 18 was located at these coordinates: latitude 37.41290 and longitude 122.03882. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 18.

4.2.2 Previous Tank-Site Investigation

The Navy Public Works Center (PWC) removed Tank 18 in April 1994 (ERM-West 1995). After tank removal, two soil samples were collected from the excavation (Table 4). Tank removal and excavation sampling were the only activities that occurred at Tank 18 (ERM-West 1995). No groundwater samples were collected from the excavation. A nearby monitoring well (W05-09), less than 50 feet away, was sampled 11 times between October 1988 and April 1992 (Table 5).

4.2.3 Physical Site Characteristics

Tank 18 was located in a grassy area with a slight slope to the north. The nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, located more than 5,000 feet north.

4.2.4 Nature and Extent of Contamination

PWC removed Tank 18 and piping, the potential sources of soil and groundwater petroleum contamination at the Tank 18 area, in April 1994. No free product was encountered during investigations at Tank 18. Following tank removal, two soil samples were collected from the excavation and analyzed for TPH-e and BTEX. The following paragraphs summarize sample location and analysis.

After tank removal, samples 065037-12 and 065037-13 were collected at locations 18A and 18B. These samples were obtained from the sidewalls of the excavated trench at a depth of 5.5 feet. The samples were analyzed for TPH-e and BTEX. Petroleum compound concentrations were not detected greater than action levels (Table 4).

No groundwater samples were collected from the excavation. A nearby monitoring well (W05-09), less than 50 feet away, was sampled 11 times between October 1988 and April 1992 for TPH-e as (JP-5) and BTEX compounds (Table 5). Because Tank 18 held diesel, MTBE is not a potential COC. The following table presents maximum concentrations of COCs detected in soil and groundwater after the removal investigation. COCs were not detected in soil or groundwater at concentrations greater than action levels. Tank 18 soil and groundwater data are summarized in the table below.

	TAN	K 18 INV	ESTIGAT	ION DATA S	UMMARY		
		Maxim	um Concer	ntration (Dete	ection limit in j	parentheses)	
Medium	TPH-p (Gasoline)	TPH-e (Diesel)	ТРН-е (ЛР-5)	В	т	E	x
Soil (mg/kg)	NA	5	ND (10)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Soil Action Levels	150	400	400	4.4	2,700	3,100	9 80
Groundwater (μg/L)	NA	NÁ	ND (0.25- 250)	ND (5)	ND (5)	ND (5)	ND (5)
Groundwater Action Levels	50	700	700	1	680	1,000	1,750

Notes:

NA Not analyzed

ND Nondetect

4.2.5 Low-Risk Criteria

Tank 18 meets the low-risk soil and groundwater criteria presented in Table 2.

4.2.6 Conclusion

Tank 18 was removed in 1994. TPH-e as diesel was detected at concentrations less than action levels in one soil sample and no BTEX compounds were detected. Groundwater samples were not collected during the Tank 18 removal; however, TPH-e and BTEX results from a nearby monitoring well were nondetect. MTBE is not a concern because Tank 18 held diesel. The Navy, therefore, recommends closure for Tank 18.

4.3 TANK 22

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.3.1 Background

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Tank 22 was located near the northwest corner of Building 484, in the Area 3 ammunition bunker compound (Figure 6). Tank 22 was a 600-gallon steel UST that stored diesel fuel for an emergency generator located inside Building 484. Former Tank 22 was located at these coordinates: latitude

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37.42634 and longitude 122.04475. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 22.

4.3.2 Previous Tank-Site Investigation

Tank 22 was removed on December 18, 1992 (PRC 1996). During tank removal, two soil samples (22E and 22W) were collected from underneath the tank and a water sample (22) was collected from water present in the excavation. In 1993, Navy personnel excavated additional soil east and west of the former tank location and collected two soil samples (TN22-SL-N-001 and TN22-SL-S-001) (Figure 6).

In June through August 1995, TtEMI (formerly known as PRC Environmental Management, Inc.) collected five soil samples from two hand-auger borings (GPT22-1 and GPT22-2) (Figure 6). Soil boring SBT22-1 was advanced during installation of monitoring well WT22-1. Well WT22-1 was completed at the center of the tank excavation. Soil samples were selected by screening with a photoionization detector (PID). None of these samples exhibited any observable petroleum contamination. Groundwater samples were collected from the two locations (GWT22-1 and GWT22-2). Groundwater samples were collected four times between August 1995 and November 1996 and again in 1999 from well WT22-1. Soil sample data are presented in Table 6 and groundwater sample data are presented in Table 7.

4.3.3 Physical Site Characteristics

Tank 22 was located in a grassy area on the north side of MFA with a slight slope to the north. The nearest surface water body, the North Patrol Road Ditch, is located about 50 feet to the north. Beyond the North Patrol Road Ditch are the Northern Channel (75 feet north of the former Tank 22), and Cargill saltwater evaporation pond which lies another 100 feet to the north. Water from the North Patrol Road Ditch is pumped into the Northern Channel at a pump station located about 0.5 miles to the west of Tank 22.

4.3.4 Nature and Extent of Contamination

Tank 22 and piping, potential sources of soil and groundwater petroleum contamination at the Tank 22 area, have been removed. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample analysis.

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Soil grab samples from the excavation, overexcavation, and borings were analyzed for TPH-p, TPH-e, and BTEX. COCs in soil were not detected in soil at concentrations greater than action levels. Soil grab samples are summarized in the following table and presented in Table 6. Soil samples Tank 22 (E) and Tank 22 (W) were collected during tank removal. Soil samples TN22-SL-S-001 and TN22-SL-N-001 were collected by the Navy during overexcavation.

	TANK	22 INVEST	TIGATION	I DATA SUN	IMARY		
		Maximum (Concentral	ion (Detectio	o limit in par	entheses)	
Medium	TPH-p (Gasoline)	TPH-e (Diesel)	TPH-e (JP-5)	В	Т	E	x
Soil (mg/kg)	ND (1.2-0.61)	ND (1.2)	ND (1.2)	ND (0.006)	ND (0.006)	ND (0.006)	ND (0.006)
Soil Action Levels	150	400	400	4.4	2,700	3,100	980

Note:

ND Nondetect

Groundwater was sampled from well WT22-1 between August 1995 and November 1996 for TPH-p as gasoline, TPH-e as diesel and JP-5, and BTEX. In August 1999, well WT22-1 was sampled for BTEX and MTBE. COCs were not detected in groundwater at concentrations greater than action levels. Furthermore, MTBE was not detected in the 1999 groundwater sample. The following table summarizes the groundwater sample analysis from well WT22-1. Table 7 presents results from all groundwater samples collected at well WT22-1.

TANK 22	(Well WT22-1)	GROUNDW	ATER S	AMPLING	SUMMA	RY				
	Maximum Concentration (µg/L) (Detection limit in parentheses)									
Sample Dates	TPH-p (Gasoline)	TPH-e (Diesel)	ТРН-е (JP-5)	В	r	E	x			
August 1995	ND (50)	280	ND	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)			
February 1996	37 ¹	130 ²	ND	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)			
August 1996	ND (50)	300 ³	ND	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)			
November 1996	ND (50)	260 ²	ND	ND (0.5)	0.32 ¹	ND (0.5)	ND (0.5)			
August 1999	NA	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)			
Groundwater Action Levels	50	700	700	1	680	1,000	1,750			

Notes:

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3

NA Not analyzed

ND Nondetect

Estimated concentration

Chromatogram did not resemble fuel pattern.

Chromatogram did not resemble diesel pattern.

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4.3.5 Low-Risk Criteria

Tank 22 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

4.3.6 Conclusion

Tank 22 was removed in 1992. Petroleum compounds have not been detected in soil or groundwater samples at concentrations exceeding action levels. Furthermore, MTBE has not been detected at Tank 22 area. Therefore, Navy recommends closure for Tank 22.

4.4 TANK 27

Tank 27 never existed. Tank 27 is included in Table 2, the low-risk soil and groundwater criteria evaluation, to complete the list of all tanks evaluated in this document.

4.5 TANK 28

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.5.1 Background

Tank 28 was located approximately 2 feet west of Building 563 at the north end of the fuel pier (Figure 7). The 150-gallon UST stored diesel for a back-up generator in Building 563. Tank 28 was located at these coordinates: latitude 37.43550 and longitude 122.02648. Santa Clara County Tank Closure Inspection Information is presented in Appendix A.

4.5.2 Previous Tank-Site Investigation

Tank 28 was removed in June 1991 and appeared in to be good condition with no holes observed (Quorum 1991). A concrete slab was observed below the tank; soil in the excavation and around the slab did not exhibit discoloration or hydrocarbon odor. Soil sample (S-5-T28) was taken at the excavation. Groundwater was not present in the excavation, so no groundwater sample was collected.

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4.5.3 Physical Site Characteristics

Tank 28 was located on a berm at the north end of the fuel pier. The nearest surface water body is Cargill saltwater evaporation pond within 15 feet of the former tank location; however, contamination has not been encountered during the investigation.

4.5.4 Nature and Extent of Contamination

Tank 28, the only potential source of contamination in the area surrounding the tank, was removed in 1991. Furthermore, free product has not been encountered at the site. One soil sample was collected at the Tank 28 excavation and motor oil was the only petroleum compound detected at the site. Groundwater was not encountered in the excavation; therefore, groundwater has not been sampled. Also, because the tank did not hold gasoline, MTBE is not a potential contaminant of concern. The following table presents maximum petroleum concentrations at the Tank 28 excavation. Table 8 presents analytical data for the soil sample collected near Tank 28.

	TAN	K 28 INVE	STIGATI	ON DATA SI	UMMARY		
		Maxi	mum Conc	entration (De	etection limit in	1 parentheses)
Medium	TPH-p (Gasoline)	TPH-e (Diesel)	ТРН-е (JP-5)	В	Т	E	X
Soil (mg/kg)	NA	ND (10)	NA	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Soil Action Levels	150	400	400	4.4	2,700	3,100	980
Groundwater (µg/L)	NA	NA	NA	NA	NA	NA	NA
Groundwater Action Levels	50	700	700	1	680	1,000	1,750

Notes:

NA Not analyzed ND Nondetect

4.5.5 Low-Risk Criteria Evaluation

Tank 28 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

4.5.6 Conclusion

Tank 28 has been removed and the only petroleum compound detected was TPH-e as motor oil at 16 mg/kg. Other petroleum compounds were not detected. Because Tank 28 did not hold gasoline, MTBE is not a potential contaminant of concern. The Navy, therefore, recommends closure for Tank 28.

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4.6 TANKS 30 AND 31

The following subsection describes previous work conducted at these tanks, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.6.1 Background

Tanks 30 and 31 were located in the northern section of IRP Site 5 (Figure 8). Both tanks were 4,500gallon USTs originally installed to hold cleaning solvents. According to Navy personnel, tank installations were not completed, and Tanks 30 and 31 were never used (PRC 1994). The tanks have been included in this report to expedite site closure. Former Tanks 30 and 31 were located at these coordinates: Tank 30 latitude 37.41935 and longitude 122.03682; and Tank 31 latitude 37.41933 and longitude 122.03666. Santa Clara County Tank Closure Inspection Information is not currently available for Tanks 30 and 31.

4.6.2 **Previous Tank-Site Investigation**

Tanks 30 and 31 were removed in December 1992. No soil contamination was observed during the excavation. The area was backfilled with the excavated soil, and additional soil was brought in to fill the area of the removed tank. Soil samples from the removal of Tanks 30 and 31 were not collected since the USTs were never used.

4.6.3 **Physical Site Characteristics**

The tank site is located in the northern section of IRP Site 5. The area is relatively flat with a slight slope to the north. The nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, more than 3,000 feet to the north.

4.6.4 Nature and Extent of Contamination

Tanks 30 and 31 were never used; therefore, no soil or groundwater samples were collected for these tanks.

4.6.5 Low-Risk Criteria

Tanks 30 and 31 were never used; however, both Tanks 30 and 31 are included on Table 2, the low-risk criteria evaluation, indicating that there is no risk from these two tanks.

4.6.6 Conclusion

Tanks 30 and 31 were removed in 1992. Installation was not completed and the tanks were never used; consequently, no soil or groundwater samples were taken. The Navy, therefore, recommends closure for Tanks 30 and 31.

4.7 TANK 41B

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.7.1 Background

Tank 41B was a 3,000 gallon oil/water separator. Tank 41B was located about 4 feet west of the Building 503 (NEX) (Figure 9). Tank 41B was formerly located at these coordinates: latitude 37.40952 and longitude 122.05251. Santa Clara County Tank Closure Inspection Information is presented in Appendix A.

4.7.2 Previous Tank-Site Investigation

Tank 41B was removed in January 1993. Two soil samples (Tank 41B [W] and Tank 41B [E]) were collected at the bottom of the excavation at the time of the removal. The samples were analyzed for TPH-p as gasoline and BTEX. TPH-p as gasoline and BTEX were detected in sample 41B(E). No groundwater was present in the excavation, therefore, no groundwater samples were collected.

4.7.3 **Physical Site Characteristics**

Tank 41B was located near Building 503 (the naval exchange [NEX] service station). The nearest surface water body, the stormwater retention pond, is located over 6,000 feet north.

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4.7.4 Nature and Extent of Contamination

Tank 41B, the potential source of contamination at the area, was removed in January 1993. No free product was encountered at the site. The following paragraph summarizes soil sample locations and analysis. Soil sample concentrations are less than action levels. Groundwater was not present in the excavation.

Data collected during the January 1993 removal action are presented in Table 9 and in the closure reports for USTs 15, 28, 78, 88, and 41B (PRC 1995a). Two soil samples were collected at the time of removal and analyzed for TPH-p and BTEX. Soil sample Tank 41B (W), collected at the bottom of the excavation at the west end at an estimated depth of 11 feet below ground surface (bgs), did not have detectable concentrations of TPH-p or BTEX. Soil sample Tank 41B (E), collected at the bottom of the excavation at the east end at an estimated depth of 11 feet bgs, contained TPH-p and BTEX concentrations near the detection limit. The following table presents the detections at the Tank 41B excavation. Because groundwater was not encountered, MTBE was not analyzed. The concentrations of petroleum compounds, in soil are minimal indicating that groundwater impact is unlikely.

TANK	41B INVEST	IGATION I	DATA SUN	IMARY			
	Ma	ximum Conc	entration (Detection li	mit in par	entheses)	
Medium	TPH-p (Gasoline)	TPH-e (Diesel)	TPH-e (JP-5)	В	Т	E	x
Soil (mg/kg)	4.6	NA	NA	0.012	0.085	0.061	0.041
Soil Action Levels	150	400	400	4.4	2,700	3,100	980

Notes: NA

Not analyzed

4.7.5 Low-Risk Criteria Evaluation

Tank 41B meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

4.7.6 Conclusion

Tank 41B was removed in 1993. TPH-p and BTEX have been detected below the action levels. Therefore, the Navy recommends closure for Tank 41B.

4.8 TANK 51

Tank 51 never existed. Tank 51 was once believed to be near the NEX service station. However, site investigations and interviews with former workers revealed that Tank 51 never existed. Tank 51 is included in Table 2 for a complete list of all tanks addressed in this document.

4.9 TANK 54

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.9.1 Background

Former Tank 54 was located near Hangar 3 (Figure 11). Tank 54 was a 1,620-gallon wastewater UST for paint activities at the hangar. This tank was used by the aircraft intermediate maintenance department (AIMD) paint shop (PRC 1993). Tank 54 was located at these coordinates: latitude 37.41699 and longitude 122.04062. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 54.

4.9.2 **Previous Tank-Site Investigation**

Tank 54 was removed in December 1992. After Tank 54 was removed, soil around the tank was overexcavated and disposed of off site. Three soil samples were collected from the Tank 54 excavation, samples 54N, 54S, and 54; the sample depths are unknown. Tank removal and excavation sampling were the only activities that occurred at Tank 54 (PRC 1994).

4.9.3 Physical Site Characteristics

Tank 54 was located along the east side of Hangar 3. The area surrounding Tank 54 is paved. The nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, located more than 4,000 feet to the north.

4.9.4 Nature and Extent of Contamination

The potential sources of soil and groundwater petroleum contamination at the Tank 54 area were Tank 54 and associated piping. These sources have been removed. Furthermore, free product has not been encountered at the site. Neither soil nor groundwater contamination has been detected at concentrations exceeding action levels at Tank 54. The following paragraphs summarize sample locations and sample analysis.

Three soil samples were collected from the Tank 54 excavation, samples 54N, 54S, and 54; the sample depths are unknown. No groundwater samples were collected during tank removal; however, because no petroleum compounds exist in soil, it is unlikely that groundwater was affected. Tank 54 removal data are summarized in the table below and presented in Table 10. Tank 54 was removed in 1992. The site was overexcavated, and the soil was removed off site. Because Tank 54 did not contain gasoline, MTBE is not a potential contaminant.

	ТА	NK 54 INVES	STIGATION	N DATA SU	MMARY			
		M	aximum Co	ncentration	(Detection	limit in p	arenthese	5)
	Medium	TPH-p (Gasoline)	TPH-e (Diesel)	TPH-e (JP-5)	В	Т	E	x
Soil (mg/kg)	ND (1)	ND (1)	ND ¹	ND ¹	ND^1	ND^1	ND
Soil Action	Levels	150	400	400	4.4	2,700	3,100	980

Notes:

1

ND Nondetect

Detection limits unknown

4.9.5 Low-Risk Criteria

Tank 54 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

4.9.6 Conclusion

Tank 54 was removed in 1992. The site was overexcavated, and the soil was removed off site. No groundwater samples were collected during tank removal; however, because no petroleum compounds exist in soil, it is unlikely groundwater was affected. Tank 54 did not contain gasoline; therefore, MTBE is not a potential contaminant and samples were not analyzed for MTBE. The Navy recommends closure for Tank 54.

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4'10 TANK 55

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The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.10.1 Background

A record search was conducted to locate information about Tank 55, located near the former location of Building 408 (Figure 11). Tank 55 was reportedly a 200-gallon UST that was taken out of service at an unknown date and replaced with an aboveground storage tank (AST), Tank 104 (ERM-West and Aqua Resources 1986). A geophysical survey of the site was conducted to locate subsurface anomalies associated with UST systems. No signs of a UST system were detected. Although use records for the tank were not available, the fuel manager for MFA has stated that the tank fueled a diesel generator. No tank removal records were available, and a visual survey of the area yielded no further information about the location of a UST at the site (PRC 1996). Tank 55 was believed to have existed at these coordinates: Intitude 37.41459 and longitude 122.04741. Santa Clana County Tank Closure Inspection Information is not currently available for Tank 55.

4.10.2 Previous Tank-Site Investigations

In 1995, TtEMI advanced three soil borings at Geoprobe locations GPT55-1 through GPT55-3 (Figure 11). A PID was used to screen the soils removed from each location for petroleum contamination; no contamination was observed. An offsite laboratory did not analyze these samples. One additional soil sample (SBT55-1) was collected during installation of monitoring well WT55-1. This sample was analyzed at an offsite laboratory. Soil data are included in Table 11.

4.10.3 Physical Site Characteristics

Tank 55 was located between runways 32 Right and 32 Left in a grassy area. The nearest surface water body is the stormwater retention pond more than 4,000 feet to the north at the north end of MFA.

4.10.4 Nature and Extent of Contamination

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Tank 55, the potential source of contamination in the Tank 55 area, was never located. However, it is believed that the tank was removed. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample analyses.

paragraph. laboratory data only) are presented in Table 11 and summarized in the table following the next contained petroleum constituent concentrations exceeding action levels. Soil sample analyses (offsite collected during installation of monitoring well MWT55-1. None of the soil or groundwater samples petroleum contamination; no contamination was observed. One additional soil sample (SBT5-1) was through GPT55-3 (Figure 11). A PID was used to screen the soils removed from each location for sampled during the initial investigation in 1995 from three soil borings at Geoprobe locations GPT55-1 During investigations at the former Tank 55 area, both soil and groundwater were sampled. Soil was

are included in Table 12 and summarized in the table below. disposable bailers directly into the Geoprobe borings. Groundwater data from these Geoprobe locations 9-foot-deep boring. Groundwater samples GWT55-1 and GWT55-2 were collected by lowering GPT55-2. No groundwater samples were collected from GPT55-3 because no groundwater entered the Groundwater samples GWT55-1 and GWT55-2 were collected from Geoprobe soil borings GPT55-1 and

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052'1	000'1	089	I	00 <i>L</i>	002	05	revels stoundwater Action
ND (0.5)	(5.0) UN	(\$.0) UN	(S.0) UN	(05) UN	(05) (IN	(05) UN	Groundwater (µg/L)
086	00I'E	002'7	<i>*</i> *	00#	00#	120	siaval nottak lios
ND (0.00056)	ND (0.00056)	(92000.0) UN	ND (0.00056)	(82) (IN	67	ND (0'20)	Soil (mg/kg)
X	E	L	a.	9-HAL (2-9L)	-HAT (Diesel)	TPH-p (Gasoline)	mulbəM
	sarentheses)	tection limit in f	icentrations (De	10) mumb	(BM		
		YAAMMUS	ATAG NOITA	IIAESLIC	TANK 55		

Nondetect ΩN

summarizes groundwater data from well WT55-1. All groundwater data are presented in Table 12. in August 1999. Petroleum constituents were not detected in this sample. The following table other benzene results were nondetect, this result may represent an anomaly. Well WT55-I was sampled action levels with one exception. Benzene was detected in the May 1997 sample at 6 µg/L. Because all August 1995 to May 1997. The May 1997 sample was also analyzed for MTBE. All results were within TEMI installed monitoring well WT55-1 and groundwater samples were collected four times from

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Groundwater Action Levels (μ8/L)	0\$	002	002	I	089	000'1	0\$ <i>L</i> `I
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7991 YeM	(05) UN	(001) AN	ND (500)	0'9	(S.O) AN	1 ⁹ 0	ı9 [.] 0
February 1997	(05) UN	₩N	∀N	ND (0.5)	(2.0) AN	(5.0) UN	(2.0) AN
Лочетрег 1996	ND (20)	¢50 ₅	(100) AD	(S.0) ON	(S.O) UN	(S.0) UN	(S.O) UN
2001 isuguA	43 1	τ 79	(001) AN	ND (0'2)	(S.O) UN	(5.0) QN	1.1
Sample Dates	q-HTT (anilo282)	9-HTT (Diesel)	9-H9T (JP-6)	B	L	æ	X
	BW	no) mumb	centration (hg/L) (Dete	i timil noite	athnəreq n	(səs
W) SE XNAT	(I-SSIM IPM	BROUND	VATER SAI	NELING SI	THANK		

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Not analyzed ΨN

Nondetect ΔN

Chromatogram did not resemble typical fuel pattern. Estimated concentration, concentration below detection limit

Low-Risk Criteria 2.01.4

Tank 55 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

Conclusion 9.01.4

recommends closure for Tank 55. were within action levels. MTBE was not detected in a 1997 sample or in a 1999 sample. The Navy than the action level; however, a subsequent sample in 1999 was nondetect for benzene. All other results the tank. Four quarters of groundwater monitoring samples indicated one detection of benzene greater Tank 55 was removed at an unknown time. A geophysical survey of the area did not find any remains of

TANK 57 11.4

nature and extent of contamination, and the low-risk criteria. The following subsection describes previous work conducted at the tank, physical site characteristics,

Background 1.11.4

shop yard (Figure 12). Tank 57 was a 550-gallon steel UST that stored waste oil. A remote-fill pipeline Tank 57 was located immediately east of Building 544, outside of the fence surrounding the auto hobby-

rds/00/1E/2/20b.hogin munolə And lamidai/neque standis/adia forteq/16770m/1satory/ u/1060D856-9200D

extended east from the autoshop service bays to the tank. Tank 57 was formerly located at these coordinates: latitude 37.40519 and longitude 122.05032. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 57.

4.11.2 Previous Tank-Site Investigations

Tank 57 was removed in June 1991 by Envirotox (Quorum 1991, also included in Navy 1995a). Tank 57 was first investigated during tank removal in June 1991. Two soil samples (S-7-T57N and S-6-T57S) were collected from the floor of the excavation (PRC 1996). Navy personnel excavated additional soil during August 1991, which revealed visible contamination on the western sidewall (Figure 12). One soil sample (S-10-T57) was collected during the August 1991 excavation. No groundwater was observed during tank removal or subsequent excavation.

In 1995, TtEMI used a Geoprobe to collect continuous soil cores from four locations, GPT57-1 through GPT57-4 (Figure 12). A PID was used to field screen the soil cores for petroleum contamination. Four samples collected at depths ranging from 4.5 to 8.5 feet bgs. One additional soil sample (from boring SBT57-1) was collected during installation of monitoring well WT57-1. Laboratory analytical soil data are included in Table 13.

Groundwater samples GWT57-1 through GWT57-4 were collected from the Geoprobe borings. Samples were collected directly from the boring with disposable bailer or a peristaltic pump. Monitoring well were collected directly from the boring with disposable bailer or a peristaltic pump. Monitoring well ware collected directly from the boring with disposable bailer or a peristaltic pump. Monitoring well ware collected directly from the boring with disposable bailer or a peristaltic pump. Monitoring well wT57-1 was installed about 8 feet northwest of the former tank location. Geoprobe coring indicated that the well was subsequently screened from 5 to 10 feet bgs. The well was subsequently screened from 5 to 10 feet bgs. Wffer installation, less than 1 inch of water was observed in well WT57-1, and the well could not be developed. Over time, the conditions at the well have improved, allowing limited development of the well, and puging and sampling of the well. The well was first sampled in 1996 and was sampled for well, and purging and sampling of the well. The well was first sampled in 1996 and was sampled for well, and purging and sampling of the well. The well was first sampled in 1996, and was sampled for well, and purging and sampling of the well. The well was first sampled in 1996, and was sampled for well, and purging and sampling of the well. The well was first sampled in Table 14.

4.11.3 Physical Site Characteristics

Tank 57 was located just east of Building 544. The area is paved with asphalt with a slight slope to the north. The nearest surface water body is the stormwater retention ponds, located more than 8,000 feet to the north.

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4.11.4 Nature and Extent of Contamination

Tank 57 and its associated piping were potential sources of soil and groundwater petroleum contamination at the Tank 57 area. Tank 57 and the piping have been removed. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample analysis.

Tank 57 was first investigated by the Navy during tank removal in June 1991. (Soil samples S-6-T57S and S-7-T57N). Navy personnel excavated additional soil, which revealed visible contamination on the western sidewall, during August 1991 (Figure 12). One soil sample (S-10-T57) was collected during August 1991 excavation and was analyzed for TPH-p, TPH-e as diesel, and BTEX. No petroleum compounds were detected at concentrations exceeding action levels in these three samples. No groundwater was observed during tank removal or subsequent excavation.

In 1995, TtEMI used a Geoprobe to collect continuous soil cores from four locations; GPT57-1 through GPT57-4 (Figure 12), and one additional soil sample (SBT57-4) was collected during installation of monitoring well WT57-1. Laboratory analytical soil data are included in Table 13. Soil sample concentrations from the investigation did not exceed action levels.

086	00I'E	00L'Z	\$`\$	00\$	00⊅	0\$1	Soil Action Levels
(700.0) UN	(700.0) AN	(200.0) AN	(LOO.O) (IN	(I.2) UN	(1.2) (UN	(7'I) AN	Soil (mg/kg)
X	a	Ţ	B	тен-б) Тен-е	5-HTT (Diesel)	q-HAT (9nilo28D)	muibəM
	entheses)	MARY on limit in par		이는 아이는 것은 것이 있다. 같은 것은 것은 것은 것이 있다.	mumixeM SHVNI 72 NN	IAT	

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ND Nondetect

Groundwater samples GWT57-1 through GWT57-4 were collected from the Geoprobe borings. Samples were collected in Table 14. The following table summarizes the groundwater investigations. Groundwater data are included in Table 14. The following table summarizes the groundwater investigations. Groundwater as a samples collected from Geoprobe boring locations did not exceed action levels.

Monitoring well WT57-1 was installed about 8 feet northwest of the former tank location. Geoprobe coring indicated that groundwater was present at 5.5 feet bgs. The well was first sampled in 1996 and during three subsequent quarters. Groundwater samples were analyzed for TPH-e, and BTEX.

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in Table 14 and summarized in the following table. not detected in either sample. Groundwater laboratory analytical results from well WTS7-1 are included anomaly. Groundwater samples from May 1997 and August 1999 were analyzed for MTBE, but it was sample collected from well WT57-1 in August 1999, indicating that the May 1997 benzene result was an were nondetect until the May 1997 sample result (2.0 µg/L). BTEX constituents were not detected in a All groundwater samples from well WT57-1 were within action levels except for one. Benzene results

<u>(</u> \$				I) TOURTON		BM BM IIAM) 72	
X	E	T	B	9-HAT (2-9L)	9-HAT (Diesel)	q-HAT (9nilozeD)	Sample Dates
(ĉ.0) U N	0.40 ¹	26.0	ND (0.5)	٩D	188 I	38 ₁	February 1996
(2.0) UN	ND (0.5)	0°301	(S.0) UN	₩	∀N	(05) UN	9991 тэдтэлой
(ĉ.0) UN	(S.O) UN	ND (0.5)	ND (0.5)	(001) AN	(001) (IN	(05) UN	February 1997
۲ ۶.0	0.4 ¹	ND (0.5)	0.2	(005) AN	(001) (IN	(0\$) UN	7997 Yay
ND (I)	ND (1)	(I) (I)	(I) (IN	٧N	∀N	₩	6661 teuguA
0\$ <i>L</i> 'I	000'I	089	I	002	002	05	eroundwater Action Levels

Not analyzed ٧N

Estimated concentration, concentration below detection limit ſ Nondetect ΠD

Low-Risk Criteria 2.11.4

Tank 57 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

Conclusion 9'11'

closure for Tank 57. sample results for May 1997 and August 1999 were nondetect. The Navy, therefore, recommends result was most likely an anomaly because the August 1999 result was nondetect for benzene. MTBE levels, except for one sample. The May 1997 benzene concentration exceeded action levels; but the Four quarters of groundwater monitoring results indicate petroleum constituents were less than action the excavations in 1991. No COCs were detected in soil samples collected during the 1995 investigation. Tank 57 was removed in 1991. No COCs were detected in concentrations exceeding action levels during

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4'15 **LANK 59**

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.12.1 Background

Tank 59 is located in a paved area adjacent to the northern corner of Building 684 (Figure 13). Tank 59 is an active 1,400-gallon oil/water separator used by the California Air National Guard at Building 684 (PRC 1993). The oil/water separator is situated in the subsurface at a depth of 6.5 feet bgs. Effluent from this sump discharges to the sanitary sewer. Tank 59 is located at these coordinates: latitude 37.42049 and longitude 122.04452. Santa Clara County Tank Closure Inspection Information is not eurrently available for Tank 59.

4.12.2 Previous Tank-Site Investigation

The area near Tank 59 was investigated by TtEMI in January 1994; this was the only investigation conducted at Tank 59. Two soil borings were advanced, GP59-1 and GP59-2 (Figure 13). Samples were collected at 5 to 7 feet bgs and 9 to 11 feet bgs in both soil borings. No groundwater samples were collected from the Tank 59 area because groundwater was not encountered. Tank 59 soil data are included in Table 15.

4.12.3 Physical Site Characterization

Tank 59 is located in a paved area adjacent to the northern corner of, and downgradient, from Building 084 (Figure 13). The nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, located more than 2,000 feet to the north.

4.12.4 Nature and Extent of Contamination

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Pree product has not been encountered at the site. The following paragraphs summarize sample locations and sample analysis.

The area near Tank 59 was investigated in January 1994. Two soil borings were advanced, GP59-1 and GP59-2 (Figure 13). Samples were collected at 5 to 7 feet bgs and 9 to 11 feet bgs in both soil borings

15 and summarized in the table below. encountered. Therefore, samples were not analyzed for MTBE. Tank 59 soil data are included in Table affected. No groundwater samples were collected from the Tank 59 area, because groundwater was not concentration of 2.3 mg/kg. Because soil is not contaminated, it is unlikely that groundwater has been were not detected in any soil samples. TPH-e as other heavy compounds was detected at an estimated and analyzed for TPH-p, TPH-e, and BTEX. TPH-p, TPH-e as diesel and IP-5, and BTEX constituents

Notes:							
Soil Action Levels	0\$I	00#	00#	\$`\$	002'7	<i>001'</i> £	086
Soil (mg/kg)	ND (1.2)	(2.1) UN	(Z.I) UN	ND (0.006)	(900 [.] 0) (0000)	(900.0) CIN	ND (0.006)
muibəM	q-HAT (9aŭo28-D)	9-HAT (Diesel)	o-H9 (JPH-6)	B	L	ત્ર	x
		numixeM	п Солсепн	osted) noits	l ai ìimil aoil	(гэгэцрегез)	
	TANK	LSAANI 69	IGATION	MUS ATAG	MARY		

Nondetect ΔN

Low-Risk Criteria 5'71'7

Tank 59 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

Conclusion 4.12.6

the Navy recommends closure of Navy responsibility for Tank 59. soil contamination, it is unlikely groundwater has been affected. Because soil results meet action levels, Groundwater samples were not collected because groundwater was not encountered. Because there is no closure for its responsibility for Tank 59. No TPH or BTEX compounds were detected in soil samples. Tank 59 is an active oil/water separator. Because the oil/water separator is still active, the Navy seeks

TANKS 62 AND 62A £I.4

nature and extent of contamination, and the low-risk criteria. The following subsection describes previous work conducted at these tanks, physical site characteristics,

4.13.1 Background

Tanks 62 and 62A are concrete recirculation tanks located inside Building 45 (Navy 1995a). Figure 14 illustrates their locations. Tanks 62 and 62A still exist, but are inactive. These two tanks held water that removed paint particles from air. Paint particles were separated from the water in these two tanks and discussed in this document) (Navy 1995a). Operations at Building 45 ceased in October 1992 (PRC 1993). Subsequently, Tanks 62 and 62A were drained and cleaned; the tanks currently remain inactive. Tank 62 is located at these coordinates: latitude 37.41330 and longitude 122.05427. Tank 62A is located at these coordinates: latitude 37.41330 and longitude 122.05426. Santa Clara County Tank October Inspection Information is not currently available for Tanks 62 and 62A.

4.13.2 Previous Tank-Site Investigation

Two soil borings (B45-3 and B45-4) were advanced under the sumps by drilling through the concrete tank bottom (Navy 1995a). One soil sample was collected from each boring. Grab groundwater samples were collected from both boreholes. Groundwater samples were analyzed for the same constituents as the soil samples.

4.13.3 Physical Site Characteristics

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Tanks 62 and 62A are concrete recirculation tanks located inside Building 45. The nearest surface water body is the stormwater retention pond, more than 5,000 feet to the north.

4.13.4 Nature and Extent of Contamination

Tank 62 and 62A area, have been cleaned and remain inactive. Furthermore, free product has not been 62 and 62A area, have been cleaned and remain inactive. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample analyses.

Two soil borings were advanced under the sumps by drilling through the concrete tank bottom. No petroleum constituents were detected in either of the soil samples. Grab groundwater samples were collected from both boreholes. No petroleum constituents were detected in the two groundwater samples (Navy 1995a). Tanks 62 and 62A data are summarized in the table below. Soil sample analytical data are presented in Table 15 and groundwater analytical data are presented in Table 15. Tanks 62 and 62A data for analytical data are presented in Table 15. Tanks 62 and 62A data are summarized in the table below. Soil sample analytical data did not hold petroleum products; therefore, MTBE is not a potential COC at this site.

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Notes:		÷					
Groundwater Action Levels	0\$	002	002	I	089	000'1	0\$ <i>L</i> 'I
Groundwater (µg/L)	ΩN	ЛD	<u>a</u> N	ΔN	ΠΝ	AD	ΔN
sisval nottoh lioz	0 <i>51</i>	00#	00#	<i>\$`\$</i>	00L'Z	00I'E	086
Soil (mg/kg)	đN	ΔN	<u>a</u> n	ΔN	ЛD	٩D	/ UN
muibəM	q-HAT (Sasoline)	→HTT (Diesel)	+HYT (2PH-€	B	T	E	X
	M	oO mumixel	псепtration	n (Detection	an timil	(амоп	
SXNVL	I V79 ANV 79	VƏLLSTAN	LAU NOIT	WIMINS V.	ъ		

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4.13.5 Low-Risk Criteria

Tanks 62 and 62A meet the low-risk soil and groundwater criteria evaluation presented in Table 2.

4.13.6 Conclusion

Tanks 62 and 62A are inactive concrete recirculation tanks. Soil and groundwater samples were nondetect for petroleum constituents. Petroleum compounds were not detected and petroleum products were never stored in tanks, thereby eliminating MTBE as a potential contaminant. The Navy, therefore, recommends closure of its responsibility for Tanks 62 and 62A.

4'14 LANK 63

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.14.1 Background

Tank 63 was a 200-gallon concrete drain sump (PRC 1993) at the AIMD sandblasting and cleaning area located in a paved area, adjacent to the southwestern corner outside of Building 142 (Figure 15). The sump was situated in the subsurface to a depth of approximately 5 feet bgs. Effluent from the concrete drain previously ran through the industrial waste sewer line to the flux ponds, where separation and the train previously ran through the industrial waste sewer line to the flux ponds, where separation and the tasin previously ran through the industrial waste sewer line to the flux ponds, where separation and the tasin previously ran through the industrial waste sewer line to the flux ponds, where separation and the flux norted in previously ran through the industrial waste sewer line to the flux ponds, where separation and the flux norted in previously ran through the industrial waste sewer line to the flux ponds, where separation and the flux norted in previously ran through the industrial waste sever line to the flux ponds, where separation and the flux norted in the subsurface to a depth of approximately 5 feet bgs. Effluent flom the concrete drain previously ran through the industrial waste sever line to the flux ponds, where separation and the there are no records documenting the closure of Tank 63; it is believed to have been filled and closed in place (PRC 1993). Tank 63 is located at these coordinates: latitude 37.41758 and

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longitude 122.03928. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 63.

4.14.2 Previous Tank-Site Investigations

There are no records documenting the closure of Tank 63; it is believed to have been tilled and closed in place (PRC 1993). The Tank 63 area was investigated in January 1994; this was the only investigation conducted at Tank 63 (PRC 1995b). Two soil borings were advanced near Tank 63, GP63-1 and GP63-2 (Figure 15). Samples were collected at 5 to 7 feet bgs and 9 to 11 feet bgs in both soil borings and analyzed for TPH-p, TPH-e, and BTEX.

TEMI collected one hydropunch groundwater sample, HP63-1, during the January 1994 investigation (Figure 15). The hydropunch sample was analyzed for TPH-p, TPH-e, and BTEX.

4.14.3 Physical Site Characteristics

Tank 63 was a concrete drain sump at the AIMD sandblasting and cleaning area located in a paved area, adjacent to the southwestern corner outside of Building 142 (Figure 15). The nearest surface water body is the stormwater retention pond, more than 3,500 feet to the north.

4.14.4 Nature and Extent of Contamination

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Tank 63, the potential source of contamination, is believed to have been filled and closed in place. Furthermore, free product has not been encountered at the site. The following paragraphs summarize

Two soil borings were advanced near Tank 63, GP63-1 and GP63-2 (Figure 16). Samples were collected at 5 to 7 feet bgs and 9 to 11 feet bgs in both soil borings. Soil sample analysis indicates that petroleum constituents do not exceed action levels. TPH-e as JP-5 was detected below the action level at 61 mg/kg. TPH-e as other light components and other heavy components were detected at 72 and 17 mg/kg. Tank 63 soil data are included in Table 18. Tank 63 soil data are included in Table 18.

TEMI collected one hydropunch groundwater sample, HP63-1, during the January 1994 investigation (Figure 15); no petroleum constituents were detected. Tank 63 groundwater data are included in Table

19. Because groundwater has not been affected, it is unlikely that MTBE is a potential COC. The January 1994 investigation data are summarized in the table below.

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iroundwater Action	05	002	002	Ι	089	000'I	052'1
(L\gu) roundwater (µg/L)	ND (50)	(22) UN	ND (52)	(S.O) UN	(2.0) UN	(S.O) QN	ND (0.5)
oil Action Levels	051	00#	007	4.4	002'Z	00I'E	086
oil (mg/kg)	(Z.I) AN	(1.2) MD (1.2)	19	(900°0) AN	(900 [.] 0) (IN	ND (0.006)	ND (0.006)
Medium	q-HTT (9nilo28D)	9-HYT (Diesel)	s- HYT (2-9L)	8	L	E	X
		avaixeM	п Солсепн	ration (Detect	ion limit in p	arentheses)	
	TANK	LSTANI E9	IGITADI	MUS ATAG	MARY		

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ND Nondetect

4.14.5 Low-Risk Criteria

Tank 63 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

4.14.6 Conclusion

Tank 63 is believed to have been closed in place. Soil samples collected during the 1994 investigation did not indicate any constituents above action levels. Hydropunch sample results did not detect petroleum constituents. In addition, MTBE is not likely to be a COC because groundwater has not been affected. The Navy, therefore, recommends closure for Tank 63.

4'12 **LVNK 6**4

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.15.1 Background

Tank 64 was a stormwater diversion box located in the former Lindbergh Avenue storm channel (Figure 16) (Navy 1995a). The channel was filled between 1993 and 1995, and the diversion box was no longer needed. The diversion box acted as a settling basin, oil skimmer, and diversion structure. Effluent from the box was discharged through the west-side storm sewer system and routed to the

stormwater retention basin or the lift station. Tank 64 was located at these coordinates: latitude 37.42496 and longitude 122.05729. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 64.

4.15.2 Previous Tank-Site Investigation

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The tank was taken out of service when the National Aeronautics and Space Administration (NSSA) built a new stormwater sampling basin sometime in 1994 or 1995. NASA completed the only investigation conducted at Tank 64. NASA and its subcontractor, Science Applications International Corporation (SAIC), performed an assessment and removal action from June 1995, and the diversion box mas no longer needed. After the concrete was removed, samples were collected under the former however, most of these samples were not collected near the former diversion box. Six samples were collected near the former diversion box, but their exact locations are unknown. Following initial soil sample analysis, the channel soil was overexcavated and post-excavation samples were collected near the former diversion box, but their exact locations are unknown. Following initial soil sample analysis, the channel soil was overexcavated and post-excavation samples were collected by tables following the text.

No groundwater monitoring wells were installed to monitor the northern end of the channel and no groundwater samples were collected during the channel excavation. However, TtEMI collected one groundwater sample from nearby well WNB-9 in August 1999.

4.15.3 Physical Site Characteristics

Tank 64 was located in a grassy area near the north end of MFA runways. The nearest surface water body is the stormwater retention pond located 500 feet to the northeast.

4.51.4 Nature and Extent of Contamination

Tank 64, the potential source of contamination in the area, has been removed. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample

During this samples were not collected near the former diversion box. Six samples collected near the former of these samples were not collected near the former diversion box.

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diversion box indicated TPH-e as JP-5 or diesel at concentrations below the action levels with one exception. The sample collected at the north end of the channel indicated TPH-e as diesel above the action level at a concentration of 3,300 mg/kg. Subsequently, the channel soil was overexcavated and post-excavation samples were collected by SAIC; however, post-excavation samples were only analyzed for polychlorinated biphenyls (PCBs) and lead. Because the Tank 64 area was overexcavated, it is unlikely that the remaining soil will have an effect on groundwater.

No groundwater monitoring wells were installed to monitor the northern end of the channel and no groundwater samples were collected during the channel excavation. However, one groundwater sample was not was collected from nearby well WNB-9 in August 1999 and analyzed for MTBE, but MTBE was not detected. Groundwater data from well WNB-9 are presented in Table 20.

052'1	000'1	089	Ι	002	002	05	Groundwater Action Levels
ND (0 [.] 2)	(\$ [.] 0) UN	(S.O) UN	ND (0.5)	ND (50)	ND (50)	ND (50)	Groundwater (µg/L)
X	Ð	T	B	отьна) (2-91)	(Diesel)	TPH-p (Gasoline)	muibəM
	parentheses)	ection limit in	tэШ) (Л\дµ) по	іляттаэло) mumixeM		
	X	AAMMUS DI	EK SYMFLIN	TAWQNU	NAB-9) GBO	A IIPA) P9 XNV	Τ.

Notes:

µg/L Micrograms per liter**

ND Nondetect

4.15.5 Low-Risk Criteria

Tank 64 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

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Tank 64 was removed between 1993 and 1995. Only one out of six samples had a detection of TPH-e as IP-5 exceeding action levels. However, the site was subsequently overexcavated and is unlikely to contain contaminated soil. A groundwater sample from a nearby monitoring well does not indicate the presence of MTBE. The Navy, therefore, recommends closure for Tank 64.

4.16 TANK 65

Tank 65 never existed. The tank number was not used due to a numbering oversight. In some documents, Tank 130 has been referred to as Tank 65; but this is incorrect. The tank number is included in Table 2 to keep a complete list of all tanks addressed in this report.

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16 GNV '89 'L9 '99 SXNVL LI'7

The following subsection describes previous work conducted at these tanks, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.17.1 Background

Tanks 66, 67, 68, and 91 were located next to Building 88, the former dry cleaning facility (Figure 17). Building 88 was razed in 1994. These four tanks are evaluated together because of their proximity to Building 88. All tanks were removed in 1990 or during the demolition of Building 88 in 1994. Tank 66 was a concrete sump which received dry cleaning effluent from Building 88 (PRC 1991). Tank 67 was a 16,000gallon steel UST used to store fuel oil for the boiler in Building 88 (PRC 1991). Tank 67 was a 16,000the following coordinates: latitude 37,41060 and longitude 122.05356. Tank 67 was located at unknown capacity (PRC 1995c). Tank 68 may have stored waste solvents or petroleum products. Tank 68 was located at the following coordinates: latitude 37,41039 and longitude 122.05335. Tank 91 was a 700-gallon concrete tamp which containetes: latitude 37,41039 and longitude 122.05335. Tank 91 was a constend at these coordinates: latitude 37,41045 and longitude 122.05335. Tank 91 was a focated at these coordinates: latitude 37,41046 and longitude 122.05376. Santa Clara County Tank 00-gallon concrete tamp which containeted wastewater from Building 88 (PRC 1995a). Tank 91 was plocated at these coordinates: latitude 37,41046 and longitude 122.05376. Santa Clara County Tank (Closure Inspection Information for Tanks 66 and 67 is presented in Appendix A. Santa Clara County 100-gallon concrete tamp which contained wastewater from Building 88 (PRC 1995a). Tank 91 was closure Inspection Information for Tanks 66 and 67 is presented in Appendix A. Santa Clara County 100-gallor concrete in the following for Tanks 66 and 67 is presented in Appendix A. Santa Clara County 100-gallor concrete large for the following for Tanks 68 and 91 is not currently available.

4.17.2 Previous Tank-Site Investigations

Tank 68 was closed in place prior to field activities in 1990 (ERM-West 1987). Tanks 66, 67, and 68 were investigated by TtEMI from May through September 1990. Tanks 66 and 67 and associated piping were removed in May 1990 (PRC 1991). Tank 66 was broken up and removed; however, the amount of soil removed was limited by the tank's proximity to Building 88. Tank 67 appeared in good condition during tank removal. Soil and groundwater samples were collected at Tanks 66, 67, and 68 during the 1990 investigation.

Building 88 was razed in 1994. During the demolition of the building, Tank 68 was uncovered and determined to be a concrete sump which was filled with sand. Both Tank 68 and Tank 91 and associated piping were removed during building demolition in July 1994. Furthermore, additional material was excavated near former Tank 66 location. Additional soil and groundwater samples were collected after the demolition of Building 88 (PRC 1995c).

at armola flank lannani/mogar menola/nuin tarteq/mellom/heijary/a/1080D851-6

4.17.3 Physical Site Characteristics

Tanks 66, 67, 68, and 91 were located near former Building 88 (Figure 17). The building has been demolished and the area was backfilled with clean materials and restored to preconstruction elevations (PRC 1995c). The nearest surface water body is the stormwater retention pond located 6,000 feet north.

4.17.4 Nature and Extent of Contamination

The potential sources of contamination at the site, Tanks 66, 67, 68, and 91 and associated piping, have been removed. Soil and groundwater grab samples collected during the tank removals indicate the Tank 67 area contained some petroleum constituents. No petroleum constituents were detected around Tank 68. Samples collected from the Tank 91 excavation indicated only minor petroleum contamination, at concentrations less than action levels. MTBE was analyzed in samples from two monitoring wells (W9SC-14 and W9SC-17) and was not detected. Maximum soil and groundwater concentrations of detected petroleum compounds from Tanks 66, 67, 68, and 91 from the removal activities in 1991 are summarized below. Analytical results are presented on Tables 21 and 22 for soil and groundwater. The most recent groundwater samples from these wells indicate that petroleum compound concentrations are below detection limits.

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X	E	L	8	9-H9T (2-A)	TPH-e (Diesel)	q-HTT (9nilo28 ⁻ D)	Nedium
(\$00.0) (IN	ND(0.005)	74.0	1500.0	(E.I) UN	0\$1	£'I	(gal\gm) lio2
086	001'E	002'7	 * *	00#	00\$	<u>0</u> \$1	sləvəL noitə ^A lioZ
٤	۲ ۶ ٬۵	4	15	(05) AN	1,100	5,000	Groundwater (µg/L)
0\$ <i>L</i> 'I	000'I	089	Ι	002	002	05	eroundwater Action Levels

SƏLONT

ND Nondetect Batimated concentration, concentration below detection limits

4.17.5 Low-Risk Criteria

Tanks 66, 67, 68, and 91 meet the low-risk soil and groundwater checklist evaluation as presented in

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Tanks 66, 67, 68, and 91 have been removed. Tank 67 was the only tank that contained petroleum products. Petroleum constituents have not been detected at any of these four tanks in excess of action levels. The most recent samples from wells surrounding Tanks 66, 67, 68 and 91 indicate that petroleum constituents in groundwater are below detection limits. Also, MTBE has not been detected in samples from two groundwater monitoring wells. The Navy, therefore, recommends closure for Tanks 66, 67, 68, and 91.

4.18 TANK 69

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.181.1 Background

Tank 69 was located adjacent to Hangar 3 (Building 47), in the east parking area (Figure 18). Tank 69 was a 2,000-gallon steel UST that stored wastewater received from parts-rinsing sinks located inside Building 47. The tank was removed in June 1991 by Envirotox (Quorum 1991). Tank 69 was located at these coordinates: latitude 37.41596 and longitude 122.03987. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 69.

4.18.2 Previous Tank-Site Investigation

Tank 69 was first investigated during tank removal in June 1991 (Quorum 1991). One soil sample (S-7-T69) and one water sample (W-7-T69) were collected from the excavation.

In July 1995, TtEMI collected soil samples from four Geoprobe locations (GPT69-1 through GPT69-4) around the former tank location (Figure 18). A PID was used to field screen soils for petroleum contamination. Soil samples were collected at depths ranging from 5.0 to 6.5 feet bgs. One additional

soil sample (from boring SBT69-2) was collected during installation of monitoring well WT69-1. Soil data are included in Table 23. Groundwater samples GWT69-1 through GWT69-1 at boring SBT69-2, the Geoprobe soil sampling locations. TtEMI installed monitoring well WT69-1 at boring SBT69-2, about 1 foot north (downgradient) of the former tank location. Four samples have been collected since About 1 foot north (downgradient) of the former tank location. Four samples have been collected since About 1 foot north (downgradient) of the former tank location. Four samples have been collected since About 1 foot north (downgradient) of the former tank location. Four samples have been collected since About 1 foot north (downgradient) of the former tank location.

4.18.3 Physical Site Characteristics

Tank 69 was located in a parking area near Hangar 3. The area is paved and the nearest surface water bodies are the Northern Channel and the North Patrol Road Ditch, more than 4,000 feet to the north.

4.18.4 Nature and Extent of Contamination

Tank 69 and its piping, potential sources of soil and groundwater petroleum contamination at the Tank 69 area, have been removed. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample analysis.

During the initial investigation conducted by Quorum, one soil sample, S-7-T69, was collected from the east sidewall and contained no detectable target compounds. Water sample W-7-T69, collected from the excavation, contained 5,400 µg/L TPH-e as motor oil (PRC 1996).

In July 1995, TtEMI collected soil samples from four Geoprobe locations (GPT69-1 through GPT69-4) around the former tank location (Figure 18). Soil samples were collected at depths ranging from 5.0 to 6.5 feet bgs. One additional soil sample (SBT69-2) was collected during installation of monitoring well WT69-1. Soil data are included in Table 23. Results from these analyses indicate that petroleum constituent concentrations were less than action levels in all five soil samples.

Groundwater samples GWT69-1 through GWT69-4 were collected from the Geoprobe soil sampling locations. These samples were analyzed for TPH-e, TPH-p, and BTEX (GWT69-2 only) (PRC 1996). All results were within detection limits. Tank 69 did not contain gasoline, therefore, MTBE is not a potential COC at this site. Tank 69 investigation soil and groundwater data from the tank removal investigation are summarized in the following table. Groundwater data are presented in Table 24.

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-					·		5/21/27
0\$ <i>L</i> 'I	000'T	089	I	002	002	<i>0\$</i>	Groundwater Action
ND(0.5)	(c.o) an	(ĉ.0) UN	τ 90'0	(0\$) (IN	ND (50)	(05) QN	Groundwater (µg/L)
086	3'100	00L'Z	¢.4	00#	00 † ·	0 <i>51</i>	sləvəL notioh lio2
(900'0) AN	ND (0.006)	100.0	0°0001	(2.1) UN	(2.1) UN	(2.1) AN	(ga/gm) lio2
x	J	T	B	०- सन्प्र (२-९८)	Diesel) (Diesel)	q-HAT (9nilo28D)	muibəM
	r butentheses)	ui timil noit	ion (Detec	Сопсепtrat	mumixaM		
		YAAM	MUS ATA	A NOITA	DILSEANI	69 XNVL	

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1001detect ΔN

Estimated concentration, concentration below detection limit

summarized in the following table. detected. Groundwater data are presented in Table 24 and well WT69-1 groundwater data are former tank location. Four samples have been collected since August 1995. No TPH compounds were TtEMI installed monitoring well WT69-1 at boring SBT69-2, about 1 foot north (downgradient) of the

(səs					mum Conce	-20TW []5W) 9 1xBM	
X	I	L	8	(12-5) (12-5)	9-HTT (Diesel)	q-HTT (ənilozsƏ)	Sample Dates
(S.0) UN	(S.O) AN	(S.0) UN	ND (0'2)	(001) AN	ND (100)	(0\$) AN	2991 isuguA
ND (0.5)	(\$.0) UN	(S.0) UN	(2.0) UN	(001) UN	ND (100)	(05) UN	February 1996
ND (0.5)	(S.O) UN	(2.0) U N	(\$.0) UN	(001) AN	(001) AN	ND (20)	9661 1suguA
(S.O) UN	(S.O) UN	(S.0) UN	(2.0) UN	(001) AN	(001) AN	ND (20)	9991 тэфтэуоУ
(S.O) UN	(S.O) UN	(S.0) UN	(I) AN	∀N	₩	₩N	6661 isuguA
0\$ <i>L</i> 'I	000'1	089	Ι	002	002	05	eronuqwater Action Levels

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Not Analyzed ∀N

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Low-Risk Criteria 2.81.4

Tank 69 meets the low-risk soil and groundwater checklist evaluation presented in Table 2.

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4.18.6 Conclusion

Tank 69 was removed in 1991. Petroleum compounds have not been detected above action levels at Tank 69. Furthermore, the tank did not hold gasoline; thus, MTBE is not a COC at this site. The Navy recommends closure of Tank 69.

4'16 LV XNVL 61'7

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.19.1 Background

Tank 77 was a 1,360-gallon fiberglass tank located near Building 77 (Figure 19). The tank was used to store diesel for an onsite emergency generator for chillers located outside Building 549 (Navy 1995b). Tank 77 was located at these coordinates: latitude 37.41113 and longitude 122.03735. Santa Clara County Tank Closure Inspection Information is presented in Appendix A.

4.19.2 Previous Tank-Site Investigation

Tank 77 was closed in place in April 1995. Before closing the tank in place, all contents of the tank were removed by PWC and the tank was triple rinsed by Laidlaw using a high-pressure washing unit. After cleaning, all voids in Tank 77 were completely filled with a slurry mix. All fill-line piping was flushed and filled with a slurry mix prior to cutting. The tank had no indication of leaking. One soil and one groundwater sample, 77-E-8 and 77-W-8, respectively, were collected under each end of the tank during closure (Navy 1995b).

4.19.3 Physical Site Characteristics

Tank 77 is located near Building 549. The area is paved and the nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, which are more than 6,000 feet to the north.

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4.91.4 Nature and Extent of Contamination

Tank 77 and its piping, potential sources of soil and groundwater petroleum contamination, have been cleaned and closed in place. No free product has been encountered at the site. The following paragraph summarizes sample locations and analysis.

One soil sample (77-E-8) and one groundwater sample (77-W-8) were taken under each end of the tank using slant boring. The soil sample was taken under the east end of the tank and the groundwater sample was taken under the west end of the tank. The soil sample was analyzed for TPH-e as diesel. The results indicated that TPH-e as diesel was not detected. Results of the soil sample analysis are presented in Table 25 and summarized in the table below.

The groundwater sample was analyzed for TPH-e as diesel, TPH-p, and BTEX. TPH-e as diesel was detected at 62 µg/L. TPH-p and ethylbenzene were not detected. Other BTEX constituents were not a potential contaminant at this site. Groundwater data are presented in Table 26 and summarized in the following table.

evels evels	05	00 <i>L</i>	002	Ι	089	000'1	05L'I
iroundwater (µg/L)	ND (20)	79	₩N	15.0	95.0	ND (0.5)	1,4
סון אכנוסע ךכּאכּןז	0 <i>51</i>	007	00#	4.4	002'7	001'E	086
(ga/gm) lio	∀N	(I) (I)	VN	∀N	VN	٧N	. VN
шірэМ	q-HTT (9nilo28D)	→HYT (Diesel)	6.1P-6) (JP-6)	B	L	ભ	x
		mumiteM	Сопсепtra	tion (Detecti	eq ni timil no	Lentheses)	

Notes:

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NA Not Analyzed ND Nondetect

4.19.5 Low-Risk Criteria

Tank 77 meets the low-risk soil and groundwater criteria evaluation in Table 2.

4.19.6 Conclusion

PWC closed Tank 77 in place in 1995. Petroleum compounds have not been detected in soil or in mot a potential contaminant of concern at the site. The Navy recommends closure of Tank 77.

4'50 LANK 78

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.20.1 Background

Tank 78 was a 1,000-gallon fiberglass tank located next to Building 127 (Figure 20). Tank 78 was connected to a drain inside the building, which was part of a secondary containment bay for acid storage. The facility was never used (Navy 1995a). Tank 78 was located at these coordinates: latitude 37.42010 and longitude 122.05814. Santa Clara County Tank Closure Inspection Information is presented in Appendix A.

4.20.2 Previous Tank-Site Investigation

The tank was removed in January 1993. No holes were observed in the tank or piping. Two soil samples were collected during tank removal (78N and 78S). Groundwater was not observed in the excavation.

4.20.3 Physical Site Characteristics

Tank 78 was located next to Building 127. The nearest surface water body is the stormwater retention pond approximately 3,000 feet to the north.

4.20.4 Nature and Extent of Contamination

No contamination was found during investigation activities at Tank 78. Tank 78 was apparently never used. Also, Tank 78 has been removed. The following table summarizes soil samples collected at the Tank 78 excavation. Table 27 presents soil analytical data for Tank 78.

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086	001'£	002'7	\$`\$	00#	007	0 <i>\$1</i>	sisver Levels
ND (0.005)	(\$00.0) UN	(\$00 [.] 0) UN	ND (0.005)	V N	₩N	(I) (I)	(33/3m) lio2
x	E	T	B	-Н ЧТ (2-ЧL)	s-H¶T (lsssiU)	_{q-H} ¶Т (Савойпе)	muibəM
	rentheses)	eq ni timü ao	ition (Detecti	Сопсепіта	mumixeM		
it in parentheses)	sq ni ti	wil ac		Сопсепітя -НЯТ-	mumixsM 5-HTT	q-HYT	

Nondetect ΔN Not analyzed ٧N

Low-Risk Criteria 2.02.4

Tank 78 meets the low-risk soil and groundwater checklist evaluation presented in Table 2.

Conclusion 9.02.4

closure of Tank 78. Tank 78 was never used, MTBE is not a potential contaminant of concern. The Navy recommends Tank 78 was never used. Furthermore, contamination has not been detected at Tank 78 area. Because

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nature and extent of contamination, and the low-risk criteria. The following subsection describes previous work conducted at these tanks, physical site characteristics,

Background 4.21.1

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for Tanks 86A and 86 B is included in Appendix A. latitude 37.40989 and longitude 122.05567. Santa Clara County Tank Closure Inspection Information coordinates: latitude 37.40990 and longitude 122.05562. Tank 86B was located at these coordinates: positioned side by side. Both tanks were removed in January 1993. Tank 86A was located at these was a 7,000-gallon steel UST that stored diesel fuel. The tanks were installed in 1948 and were Fueling Facility (Figure 21). Tank 86A was a 5,000-gallon steel UST that stored gasoline. Tank 86B Tanks 86A and 86B were located southwest of Building 107, which was originally the Public Works

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4.21.2 Previous Tank-Site Investigation

Tanks 86A and 86B were first investigated during their removal in January 1993 (PRC 1996). During excavation and removal, four soil samples (86AN, 86AS, 86BS, 86BN) were collected from beneath the tanks. A groundwater sample (86A) was collected from beneath Tank 86B (sample 86B) during excavation. A groundwater sample was also collected from beneath Tank 86B (sample 86B) during excavation. Navy personnel present during tank removal, rather than leakage during tank operation was the result of spillage observed to occur during tank removal, rather than leakage during tank operation (PRC 1996).

In June 1995, TEMI advanced two borings, GPT86B-1 and GPT86B-2. Boring GPT86B-1 was advanced from the approximate center of the former location of Tank 86B. At 10.0 feet bgs, concrete, possibly the tank antibuoyancy anchor slab, was encountered. One soil sample (GPT86B-1) was collected at 9.5 to 10.0 feet bgs. Two additional soil samples from SBT86B-3 were collected during the installation of monitoring well WT86B-1. Soil data are included in Table 28.

TtEMI also collected groundwater samples from borings GPT86B-1 and GPT86B-2 using disposable bailers. In February 1996, soil boring SBT86B-3 was drilled immediately north of the former tank excavation. Monitoring well WT86B-1 was constructed in boring SBT86B-3. Groundwater samples were collected from this well five times between 1996 and 1997 and results are presented in Table 29.

4.21.3 Physical Site Characteristics

Tank 86A and 86B were located adjacent to the west side of Building 107. The nearest surface water body is the stormwater retention pond, more than 6,000 feet to the north.

4.21.4 Nature and Extent of Contamination

During excavation and removal, four soil samples (86AN, 86AS, 86BS, 86BN) were collected from beneath the tanks. A groundwater sample was also collected beneath each tank (samples 86A and 86B). Petroleum constituents were not detected in soil samples at concentrations exceeding action levels. Groundwater grab samples collected from the excavation are not indicative of contamination in the aquifer. Therefore, groundwater grab samples 86A and 86B are not used in this evaluation or included in Table 29 following the text. Navy personnel present during tank removal suggested that this low-level contamination was the result of spillage observed to occur during tank removal, rather than leakage during tank operation (PRC 1996). Figure 21 illustrates sample locations.

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In June 1995, TtEMI advanced two borings, GPT86B-1 and GPT86B-2, to a depth of 9.5 feet bgs. Boring GPT86B-1 was advanced from the approximate center of the former location of Tank 86B. Two additional soil samples from boring SBT86B-3 were collected during the installation of monitoring well WT86B-1. Petroleum constituents were not detected in soil samples at concentrations exceeding action levels. Soil data are presented in Table 28 and summarized in the table below.

Groundwater samples also were collected from borings GPT86B-1 and GPT86B-2 using disposable bailers. Petroleum constituents were not detected in these groundwater samples at concentrations exceeding action levels. Table 29 includes groundwater data, which are also summarized in the following table.

							"Notato"
05 <i>L</i> 'I	000'1	089	I	002	002	05	Groundwater Action Levels
0.9	0.21	0° † 1	0*†،	₽N	ND (50)	ND (50)	Groundwater (µg/L)
086	001'8	002'Z	4.4	007	00#	0\$1	Soil Action Levels
(900.0) UN	ND (0.066)	ND (0.066)	ND (0.066)	₩N	(21) AN	ND (13)	(ga/\gm) lio2
X	E	T	B	ор. (16-5) (2-9)	9-HAT (Diesel)	q-H9T (Gasoline)	muib9M
	rentheses)	sq ai timil aa	itton (Detection	сопсепtra	mumixeM		
		YAAMMUS.	ATAU NOIT	VESTIGA	NI 898 AN	A Aða 86A A	

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NA Not analyzed

ND Nondetect

Estimated concentration, concentration below detection limit

Groundwater samples were collected from well WT86B-1 five times between 1996 and 1997, beginning in February 1996. Results show that the initial sample contained TPH-p at an estimated concentration of 910 µg/L. TPH-p was detected later in two samples at estimated concentrations, both less than the action level. Also, benzene was detected at an estimated concentration of 28 µg/L. No other petroleum constituents were detected in excess of action levels. Well WT86B-1 was sampled in August 1999 for BTEX and MTBE. BTEX and MTBE were not detected in this sample. Groundwater monitoring results are summarized in the following table and presented in Table 29.

		limit in pare	en e		승규는 안 가 많이 있는 것	898 GNV V98	
X	E	L	B	»-нат (2-чі)	5-HTT (Diesel)	q-HTT (9nilo282)	Sample Dates
ND (0 2)	1'3 ₅	(S.0) UN	<u>785</u>	(001) UN	010 ₁	ND (100)	Բеbгиагу 1996
ND (0°2)	(S.0) UN	(\$.0) UN	(S.0) UN	ND (100)	235	ND (100)	9961 isuguA
(2.0) AN	(\$.0) UN	(\$.0) QN	(S.O) UN	ND (100)	(05) <u>UN</u>	ND (100)	9961 тэдтгэчоЙ
ND (0.5)	(2.0) UN	0'3 ₅	(\$.0) UN	(001) UN	z97	(001) AN	February 1997
£.0	₹33 ر	ND	ε	(005) UN	(05) UN	(06) AN	7991 YaM
(I) UN	ND (1)	(I) (I)	(I) (I)	ND (100)	∀N	(001) AN	6991 isuguA
0\$ <i>L</i> 'I	000'I	089	Ι	002	05	002	гелегз Стопичацек Асцоп Стопичацек Асцоп

:sətoN

NA Not analyzed

ND Nondetect

Estimated concentration, concentration below detection limit

² Estimated concentration because surrogate recovery was out of quality control limits.

4.21.5 Low-Risk Criteria Evaluation

Tanks 86A and 86B meet the low-risk criteria evaluation presented in Table 2.

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Tanks 86A and 86B were removed in 1993. During excavation and in 1995 soil samples did not contain petroleum compounds detected above action levels. Five rounds of groundwater monitoring were also conducted. All groundwater monitoring well results were less than action levels with two exceptions. In February 1996, one TPH-p result exceeded the action level at an estimated concentration of 910 µg/L. Four subsequent samples were less than actions levels. The May 1997 result for benzene exceeded the action level. Because the three previous results were nondetect and the subsequent sample in August 1999 was nondetect, the May 1997 result was most likely an anomaly. Furthermore, MTBE was not detected in the August 1999 sample from well WT86B-1. Therefore, the Navy recommends closure for detected in the August 1999 sample from well WT86B-1. Therefore, the Navy recommends closure for detected in the August 1999 sample from well WT86B-1. Therefore, the Navy recommends closure for detected in the August 1999 sample from well WT86B-1. Therefore, the Navy recommends closure for

4.22 TANK 88

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

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4.22.1 Background

Tank 88 was a 500-gallon steel UST which held hazardous wastes and was used as an oil/water separator. As the tank became full, the contents of the tank would be pumped out and disposed of as hazardous waste. The tank was located next to Building 470, on the east side of Hangar 3 (Figure 22) and was reportedly used infrequently (PRC 1995a). Tank 88 was located at these coordinates: latitude 37.41615 and longitude 122.03985. Santa Clara County Tank Closure Inspection Information is presented in Appendix A.

4.22.2 Previous Tank-Site Investigation

Tank 88 was removed in December 1992 and no water was observed in the excavation (PRC 1995a). Additionally, no holes were observed in the tank. Two soil samples (88[W] and 88[E]) were collected at the time of removal.

4.22.3 Physical Site Characteristics

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Tank 88 was located next to Hangar 3 in a paved area. The nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, more than 4,000 feet to the north.

4.22.4 Nature and Extent of Contamination

No contamination was detected at Tank 88 area. Furthermore, free product was not observed at the area. Two soil samples were collected at the time of removal (samples Tank 88[E] and Tank 88 [W]). TPH-p and TPH-e were analyzed in these two soil samples. The following table and Table 30 present the TPH analytical results for these two soil samples.

Notes:						
Soil Action Levels	00#	051	<i>* *</i>	002'7	3'100	086
oil (mg/kg)	(I) (I)	(I)ON	¥N	¥N	∀N	₩
Medium	(Diesel) (Diesel)	q-HTT (Saline)	B	L	я	x
	W	asimum Conce	ntration (De	tection limit	и ратептhes	(\$ə
I.	NI 88 NNV	NOLLADITED	NUS ATAG	YAAM		

NA Not sampled ND Not detected

4.22.5 Low-Risk Criteria

Tank 88 meets the low-risk soil and groundwater checklist evaluation presented Table 2.

4.22.6 Conclusion

Tank 88 was removed in 1992. Soil and groundwater data do not exceed action levels. Furthermore because the tank did not contain gasoline, MTBE is not a potential contaminant at the site. Therefore, the Navy recommends closure of Tank 88.

4'53 **IVNK 10**9

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.23.1 Background

Very little information is available on Tank 106. The installation date is unknown and there is no record that the tank was removed. Tank 106 is a 5,000-gallon UST of unknown construction near Building 49 and is associated with a former gas station (Figure 23). The tank may have contained gasoline and may remain under Building 49. Tank 106 was located at these coordinates: latitude 37.41323 and longitude 122.03852. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 106.

4.23.2 Previous Tank-Site Investigation

In August 1999, TtEMI advanced four direct-push borings (UST106-SB-01 through UST106-SB-04) at Tank 106 (Figure 24). Groundwater samples were collected from each of the four borings. Groundwater data are included in Table 31.

4.23.3 Physical Site Characteristics

Tank 106 is located in a paved area that is relatively flat. The nearest surface water body is the Northern Channel located 5,000 feet to the north.

4.23.4 Nature and Extent of Contamination

Soil samples were not collected near the location of Tank 106; however, groundwater samples were analyzed for BTEX and MTBE. Groundwater data indicate that petroleum constituents do not exceed action levels. Maximum groundwater petroleum concentrations are summarized in the following table. Analytical results of groundwater sampling are presented in Table 31.

r			-				Note:
0\$ <i>L`I</i>	000'1	089	Ι	002	002	05	Groundwater Action Levels
(1) (I)	ND (0.5)	ND (0.5)	(5.0) AN	(100) AD	100	ND (20)	Groundwater (µg/L)
X	Ð	T	8	ь- НЧТ (2-91)	(Diesel)	q-HTT (9nilo28Ə)	muibəM
	uknown)	u stimil notte	tration (Dete	пээпоЭ ши	mixsM		
		VARY	NMUS ATAQ	NOITAƏI	LSEANI 90	I NNAT	

Notes:

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ND Nondetect

4.23.5 Low-Risk Criteria

Tank 106 meets the low-risk soil and groundwater checklist evaluation presented in Table 2.

4.23.6 Conclusion

Tank 106 and associated piping may have been removed. Groundwater samples indicate that petroleum constituents do not exceed the action levels. MTBE was not detected in a 1999 groundwater sample. Mavy, therefore, recommends closure for Tank 106.

4.24 TANK 110

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

4.24.1 Background

Tank 110 was a steel 2,000-gallon UST used to store diesel (Figure 24). The tank served as fuel storage for an emergency generator that was located in Building 109 (Navy 1995a). Tank 110 was located south of Building 109 next to Wescoat Road. Tank 110 was located at these coordinates: latitude 37.40981 and longitude 122.05600. Santa Clara County Tank Closure Inspection Information is presented in Appendix A.

4.24.2 Previous Tank-Site Investigation

Tank 110 was removed in April 1994. Two soil samples (065037-14 and 065037-15) (Figure 24) were collected from the excavation and analyzed for TPH-e. No contaminants were detected in the samples (Navy 1995a). Groundwater was not encountered in the excavation.

4.24.3 Physical Site Characteristics

Tank 110 was located next to Building 109 in a grassy area. The nearest surface water body is the stormwater retention pond more than 6,000 feet to the north.

4.24.4 Nature and Extent of Contamination

Two soil samples were collected from the excavation and analyzed for THP-e. No contaminants were detected in the samples (Table 32). It is unlikely that groundwater has been affected at this site since no

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contamination was found in soil samples. The following table summarizes soil samples from the Tank

110 excavation.

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#### 4.24.5 Low-Risk Criteria

Tank 110 meets the low-risk soil and groundwater criteria evaluation presented Table 2.

## 4.24.6 Conclusion

Tank 110 was removed in April 1994. No contamination was detected in the soil samples collected during tank removal. Furthermore, because the tank held diesel, MTBE is not a potential contaminant at the site. Therefore, the Navy recommends closure of Tank 110.

#### 4.25 TANKIII

The following subsection describes previous work conducted at the tank, physical site characteristics, nature and extent of contamination, and the low-risk criteria.

### 4.25.1 Background

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Tank 111 was a 2,500-gallon steel UST that contained fuel oil located along Wescoat Court near Building 48 (Figure 25). The installation date is unknown; the tank was closed in place by Environmental Chemical Corporation (ECC) in November 1995 (ECC 1996). Tank 111 was located at these coordinates: latitude 37.40901 and longitude 122.05864. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 111.

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### 4.25.2 Previous Tank-Site Investigation

Removal of Tank 111 was scheduled for November 1995. During excavation, the top of the tank was located at 9 feet bgs (ECC 1996). The contractor attempted to remove the tank, but operations were stopped because continued excavation could have undermined the foundation of the adjacent building. The Navy determined that the UST would be closed in place instead. As a result, Tank 111 was filled with concrete slurry.

Soil samples were collected from soil excavated from around the tank during closure. In 1999, TtEMI advanced four soil borings; samples were collected from all four borings (UST111-SB-01 through UST1111-SB-04) and three soil samples were collected from one boring.

#### 4.25.3 Physical Site Characteristics

Tank 11 was located next to Building 48 under concrete. The tank was closed in place with a concrete slurry. The closest surface water body is the stormwater retention pond, more than 6,000 feet north.

#### 4.25.4 Nature and Extent of Contamination

The tank had visible holes and was filled with groundwater. One soil sample (TK111-SP-001) was collected from the soil excavated around Tank 111 (ECC 1996). One groundwater grab sample (TK111-GW-001) was also collected from the excavation. The soil and groundwater samples were submitted for analysis of TPH-e as diesel, TPH-p, and BTEX.

In August 1999, TtEMI advanced four direct-push borings (UST111-SB-01 through UST111-SB-04) at Tank 111 (Figure 25). Three soil samples were collected at the former tank location from boring UST111-SB-01 and analyzed for TPH-p, TPH-e, and BTEX. Groundwater samples were collected from all four borings and analyzed for TPH-p, TPH-e, BTEX, and MTBE. Only xylene was detected in these groundwater samples collected in 1999.

Soil data for Tank 111 are included in Table 33. Groundwater data are included in Table 34. Grab groundwater samples collected from the excavation pit often contain contaminants from tank and piping removal and may not be representative of groundwater conditions. Therefore, data for grab groundwater sample TK111-GW-001 are not included in Table 34.

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Approximately 300 feet upgradient of Tank 116 is Site 14 South. Site 14 South is a vehicle fueling facility with petroleum contamination from two former tanks. A recirculating in situ treatment system for remediating soils and groundwater was constructed at Site 14 South in 1995 (PRC 1995b). Site 14 South is addressed in Appendix C of the TM. Tank 116 was located at these coordinates: latitude 37,40681 and longitude 122.05004. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 116.

# 4.27.2 Previous Tank-Site Investigation

The Tank 116 area was excavated in September 1994 (ECC 1996). The pump and control pits were located and control switches were in place; however, it appeared that the tank had previously been removed. The former tank area was filled, and pipe connections for the tank had breviously been in November 1995, ECC removed the concrete vault used to house electrical controls for the UST (ECC 1996). During exploratory excavation, hydrocarbon staining and odor were found near the bottom of the vault. Three soil samples (TK116-EX-001 through TK116-EX-003) were collected from unspecified locations within the excavation pit.

In August 1999, TtEMI advanced four direct-push borings (UST116-SB-01 through UST116-SB-04). Two soil samples were collected at the former tank location from boring UST116-SB-01. Groundwater samples were collected from all four borings.

# 4.27.3 Physical Site Characteristics

Tank 116 was located next to an outside fence near the transportation yard (Building 146). The area surrounding former Tank 116 is paved. The nearest surface water body is the stormwater retention pond, more than 7,000 feet to the north.

# 4.27.4 Nature and Extent of Contamination

Tank 116 and associated piping were the potential sources of contamination. In November 1995, ECC removed the concrete vault used to house electrical controls for the UST (ECC 1996). During exploratory excavation, hydrocarbon staining and odor were found near the bottom of the vault. Three soil samples (TK116-EX-001 through TK116-EX-003) were collected from unspecified locations within the excavation pit and analyzed for TPH-e, TPH-p, and BTEX. Soil data for Tank 116 are included in Table 35.

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detected in a groundwater sample collected in 1999. Groundwater data are included in Table 36. The following table summarizes the maximum petroleum constituent concentrations. MTBE was not samples were collected from all four borings. Soil and groundwater were analyzed for BTEX and TPH. Two soil samples were collected at the former tank location from boring UST116-SB-01. Groundwater In August 1999, TtEMI advanced four direct-push borings (UST116-SB-01 through UST116-SB-04).

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#### Low-Risk Criteria S.72.4

Tank 116 meets the low-risk soil and groundwater checklist evaluation presented in Table 2.

#### Conclusion 9.72.4

the Navy recommends closure for Tank 116. contamination does not exceed action levels. A sample for MTBE in 1999 was nondetect. Therefore, Tank 116 has been removed. Investigations in 1995 and again in 1999 indicate that petroleum

#### **TANK 123** 4.28

closure. Tank 123 is included in the list on Table 2 for completeness. The Navy recommends Tank 123 for Tank 123 never existed. This tank number was never used due to a numbering oversight (Navy 1995a).

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#### **TANK 130** 67.4

nature and extent of contamination, and the low-risk criteria. The following subsection describes previous work conducted at the tank, physical site characteristics,

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# d.29.1 Background

Tank 130 is an inactive sump that neuralized battery acids from a battery locker (Building 575) before discharge into the samitary sewer (Figure 27). Tank 130 has been referenced as Tank 65 in other documents; the correct tank number is 130. The current status of Tank 130 is uncertain, but the tank is 37.41097 and longitude 122.03731. Santa Clara County Tank Closure Inspection Information is not currently available for Tank 130.

# 4.29.2 Previous Tank-Site Investigation

Few data exist concerning Tank 130. One investigation was conducted near the sump by TtEMI in 1994. Two soil borings were advanced, GP65-1 and GP65-2 (Figure 27). One groundwater sample was collected near Tank 130 with a hydropunch, HP65-1.

# 4.29.3 Physical Site Characteristics

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Tank 130 was located in a paved area near Building 549. The nearest surface water bodies are the Northern Channel and North Patrol Road Ditch, more than 6,000 feet to the north.

# 4.29.4 Nature and Extent of Contamination

Tank 130 was the potential source of contamination at the Tank 130 area. The tank is thought to have been closed in place. Furthermore, free product has not been encountered at the site. The following paragraphs summarize sample locations and sample analysis.

Two soil borings were advanced, GP65-1 and GP65-2 (Figure 27). Samples from these borings were analyzed for BTEX constituents; none were detected (Table 37).

One groundwater sample was collected near Tank 130 with a hydropunch (HP65-1) and analyzed for BTEX constituents; none were detected (Table 38). Because Tank 130 did not contain gasoline, samples were not analyzed for MTBE. Analytical results are summarized in the table below.

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#### 4.29.5 Low-Risk Criteria

Tank 130 meets the low-risk soil and groundwater criteria evaluation presented in Table 2.

## 4.29.6 Conclusion

Tank 130 is an inactive sump. Sampling has indicated that petroleum constituents were not detected in soil or groundwater. Because Tank 130 did not contain petroleum products, MTBE is not a potential contaminant at the site. Therefore, the Navy recommends closure for Tank 130.

## 2.0 GEOLOGY AND HYDROGEOLOGY

The following two sections describe the geology and hydrogeology at MFA. Geologic and hydrogeology Technical Memorandum (PRC and JMM 1992), unless otherwise cited.

#### 2'I BVSEMIDE GEOFOGA

MFA is located at the northern end of the Santa Clara Valley Basin, about 1 mile south of San Francisco Bay. The land is relatively flat, ranging from 2 feet below to 36 feet above mean sea level (msl). The Santa Clara Valley Basin is a large, northwest-tending structural depression between the San Andreas and Hayward faults. The basin is bordered on the west by the Santa Cruz Mountains and on the east by the Diablo Range (PRC and JMM 1992).

Regionally, the Santa Clara Valley contains up to 1,500 feet of Tertiary- and Quaternary-age interbedded alluvial, fluvial, and estuarine deposits that directly overlie early Tertiary or older bedrock (Iwamura consolidated clay, silt, sand, and gravel that represent interfingering of estuarine and fluvial depositional environments. The fluvial plain bounded by alluvial fan deposits to the west and baylands west of the basin and deposited on an alluvial plain bounded by alluvial fan deposite during the Holocene period when the avoid-wide sea level was rising toward its present elevation.

A continuous clay layer (A/B aquitatd) between 45 and 65 feet below msl has been observed in borings across MFA. This clay layer does not correspond to a world-wide rise in sea level. Instead, its deposition appears to be of late Pleistocene age. An even deeper (100 to 160 feet below msl) clay layer (B/C aquitard) corresponds to Sangamon-age interglacial deposits (PRC and JMM 1992; Sangines and others 1995). Beneath this aquitard are undifferentiated alluvial gravels, sands, silts, and clays that make up the mid- to early-Pleistocene-age deposits and the Pliocene/Pleistocene-age Santa Clara Formation.

#### **2'7 BYSEMIDE HADBOCEOFOGA**

Aquifer descriptions are based on existing data and lithologic interpretation of soil borings and cone penetrometer tests (CPTs). The shallow aquifer (upper 250 feet) is subdivided into the A, B, and C aquifers. A laterally extensive clay aquitard (B/C aquitard) effectively isolates the C aquifer (160 to 250 feet bgs) from the upper aquifers. The A/B aquitard may be locally continuous under MFA.

The discussion focuses on the A aquifer because it is the most likely to be affected by petroleum contamination from surface spills or leaking USTs. In addition, groundwater at most locations across MFA exhibits an upward vertical gradient. This vertical gradient is evidenced by higher potentiometric heads in deeper wells at locations where shallow (A aquifer) and deeper (B aquifer) wells are paired.

#### 5.2.1 A Aquifer Hydrogeology

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The A aquifer consists of sands and gravels found between depths of about 5 and 65 feet bgs. Aquifer A is further subdivided into the A1- and A2-aquifer zones by a discontinuous, low-permeability horizontal layer (A1/A2 aquitard) located between 25 and 30 feet bgs. Fine-grained sediments in the A aquifer consist of greenish-gray to yellow-brown silts and clays that often contain rust-colored staining of oxidized iron. Coarse materials in the A aquifer are sands and gravels. Coarse-grained channel deposits appear to have an individual maximum thickness of 20 feet on the western side of MFA and 10 feet on appear to have an individual maximum thickness of 20 feet on the western side of MFA and 10 feet on

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the eastern side of MFA. The coarse-grained deposits were incised in, and interbedded with, the finegrained sediments. Channel orientation is generally south to north.

Groundwater flow is toward San Francisco Bay (north) with a horizontal gradient of 0.004 to 0.005 feet of drop per foot of distance (ft/ft). The horizontal gradient for the eastern side of MFA has been reported as slightly more gentle (0.002 to 0.003 ft/ft) than the western side (PRC 1995d). Aquifer porosity (1992). Hydraulic conductivity was estimated by aquifer tests to range from 5.7 to 240 feet per day for the A aquifer (PRC 1996). The low to moderate hydraulic conductivity at MFA and the distance from the bay dampen and restrict the effects of surface water and tidal fluctuations on groundwater flow direction and velocity such that the effects are negligible (Iwanura 1980; PRC and JMM 1992).

#### 5.2.2 B Aquiter and A/A bar voluted Hydrogeology

The B aquifer extends from approximately 60 to 120 feet bgs in the vicinity of MFA. The B aquifer correlated by consists of these more permeable deposits along with silts and clays. These deposits are correlated by fossil evidence with the Wisconsin-age glacial period (Brown 1978, PRC and JMM 1992). A lack of abundant gravels distinguishes the B from the A aquifer sediments. Groundwater flow direction in the B aquifer is generally north, and horizontal gradients are similar to those in the A aquifer (0.004 to 0.005 ft/ft). Vertical gradients between the A and B aquifers are variable as a result of heterogeneous confining conditions in individual channels (PRC and JMM 1992).

The A/B aquitard separates the interbedded sands, silts, and clays of the B aquifer from the sand and gravel channels of the A aquifer. It has been consistently identified in borings from the western side of MFA, but is less well defined on the eastern side. On the western side, this aquitard is a 5- to 7-foot thick clay encountered between the depths of approximately 55 and 70 feet bgs that appeared to be continuous across the western side of MFA. Potentiometric head differences between paired wells in the A2 zone of the A aquifer and the upper portion of the B aquifer (B2) during baseline flow conditions (August 1996) indicate hydraulic isolation of the two aquifers across the eastern side and the northern half of the western side of MFA (TtEMI 2000).

#### **6.0 CONCLUSIONS AND RECOMMENDATIONS**

This report addresses 35 tank sites at MFA that do not exceed the action levels agreed upon in 1994 between RWQCB and the Navy for petroleum sites. In Section 4.0, investigation results at each tank site were presented. Soil and groundwater results at each tank site meet the action levels. The Navy,

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therefore, recommends site closure for all 35 tanks described in this document. Table 2 lists all 35 tanks described in this document.

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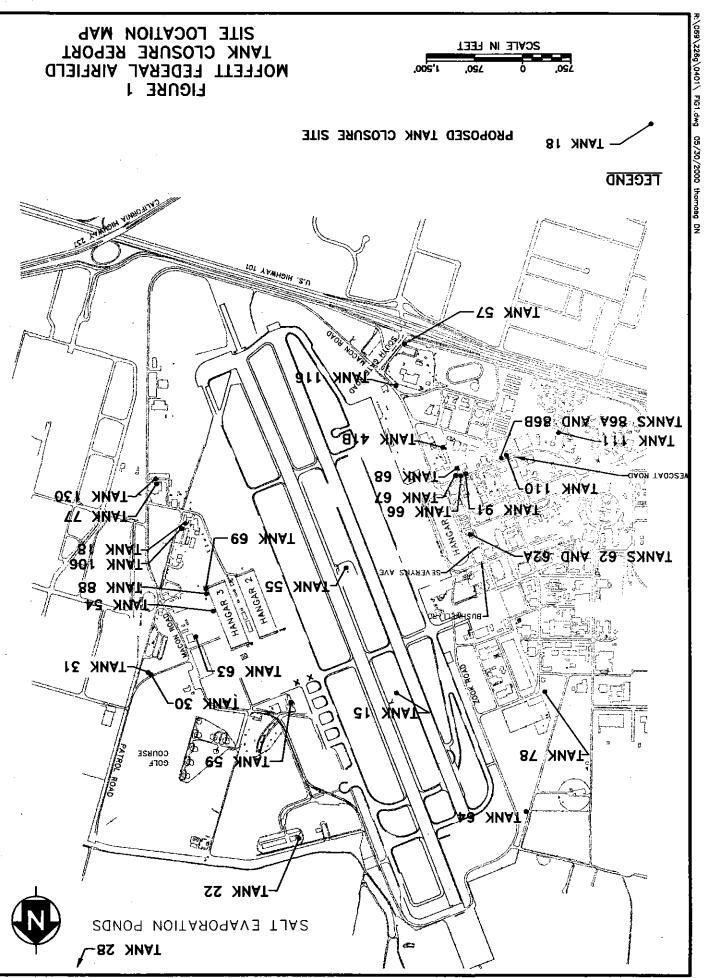
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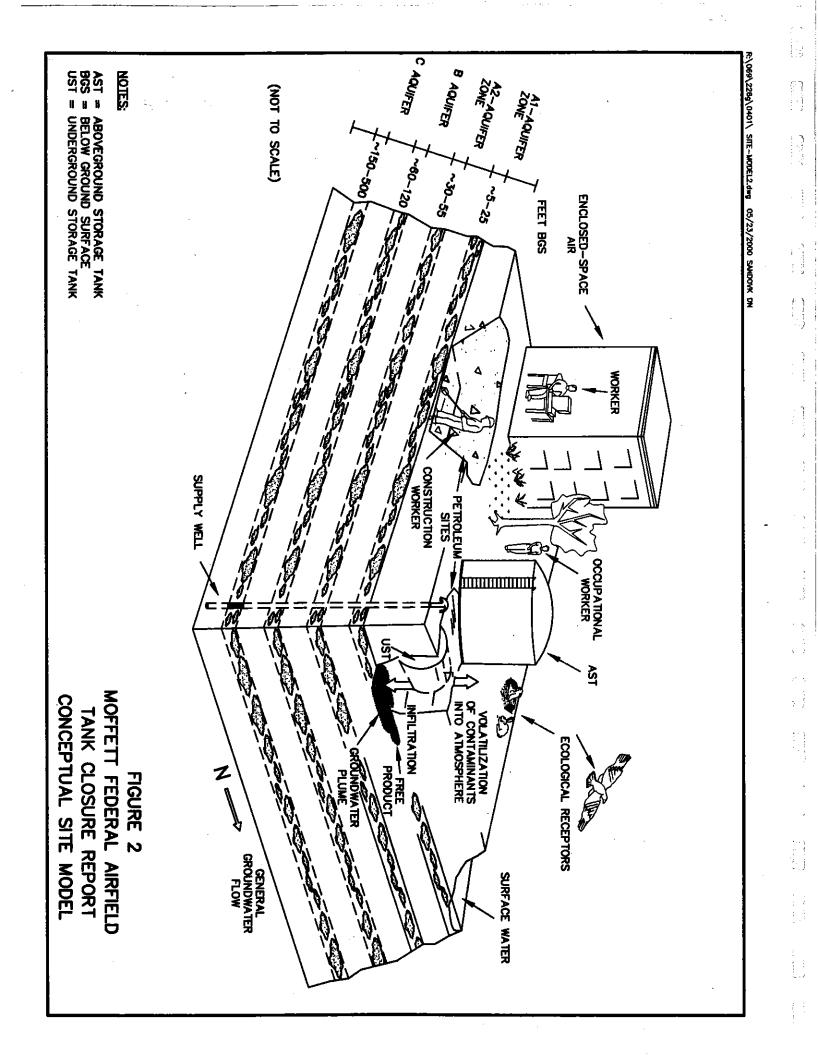
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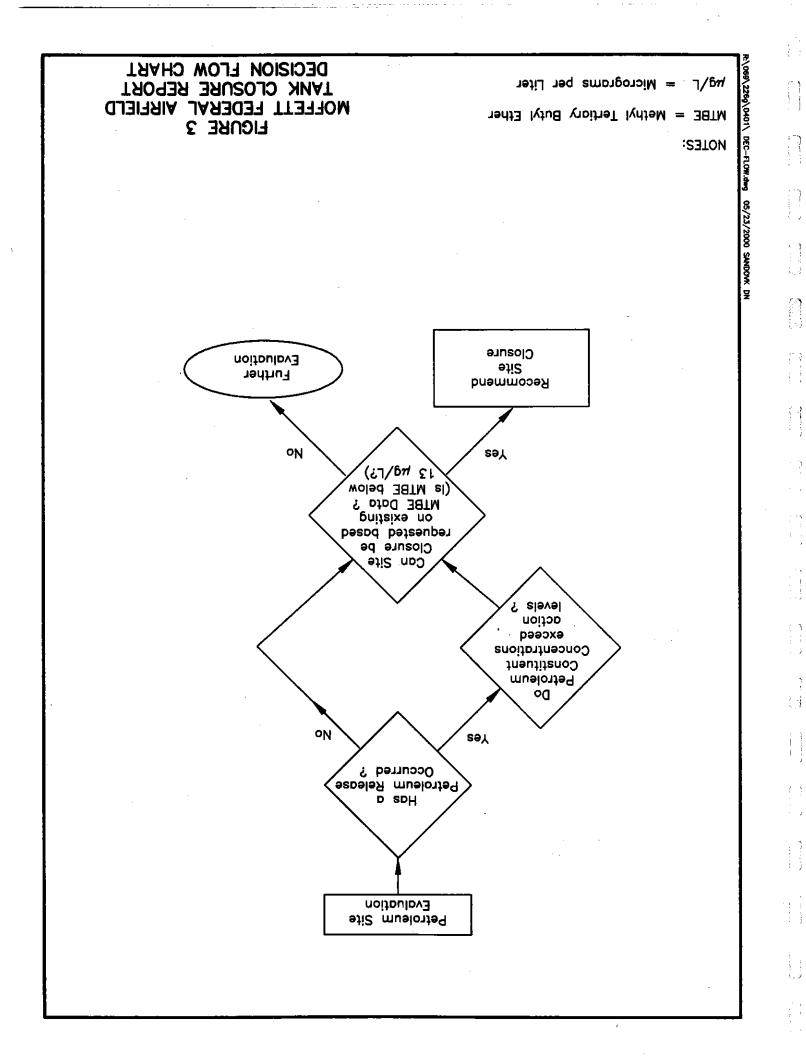
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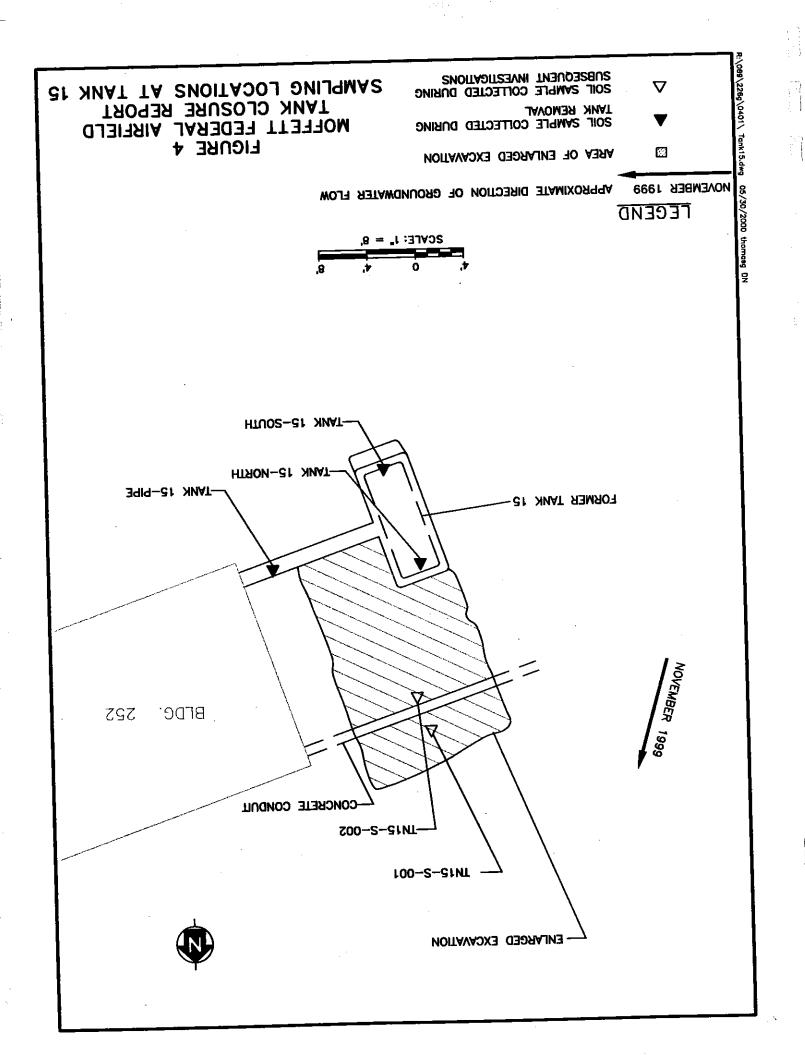


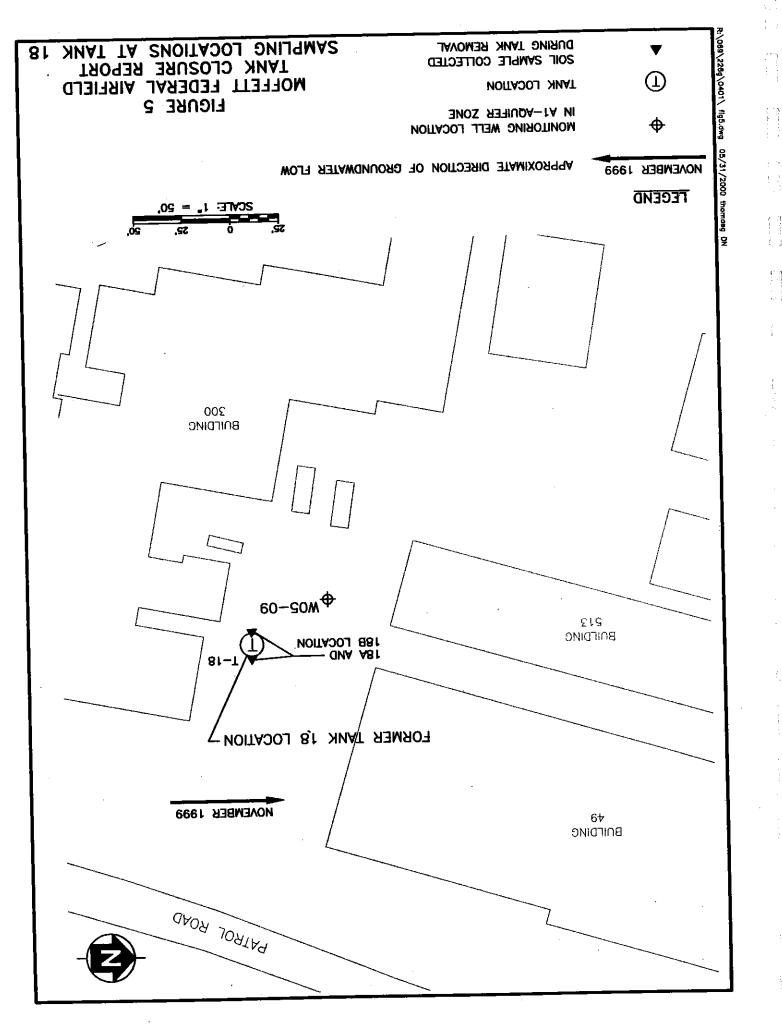
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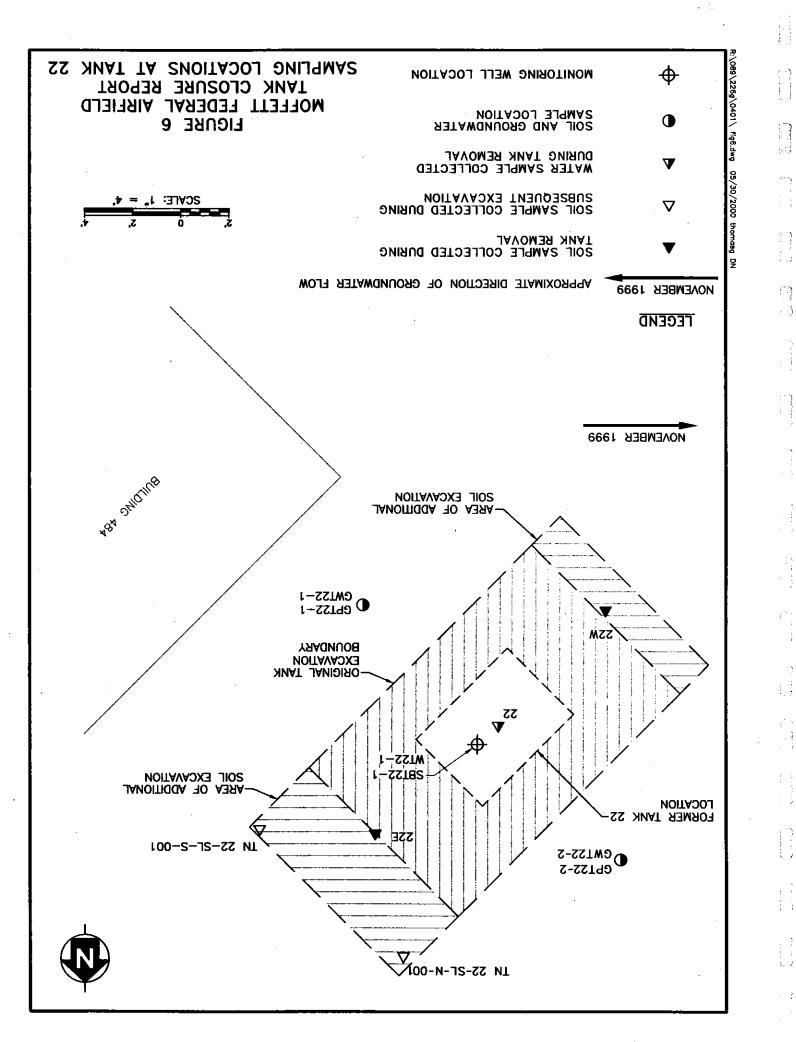
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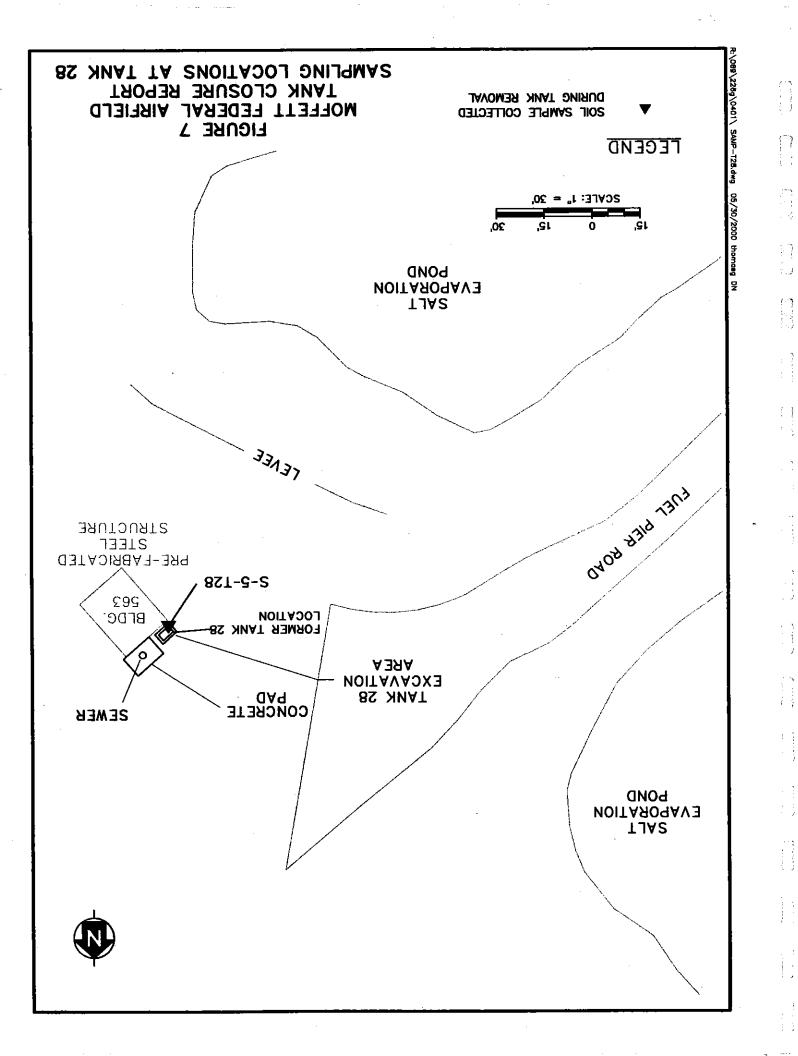
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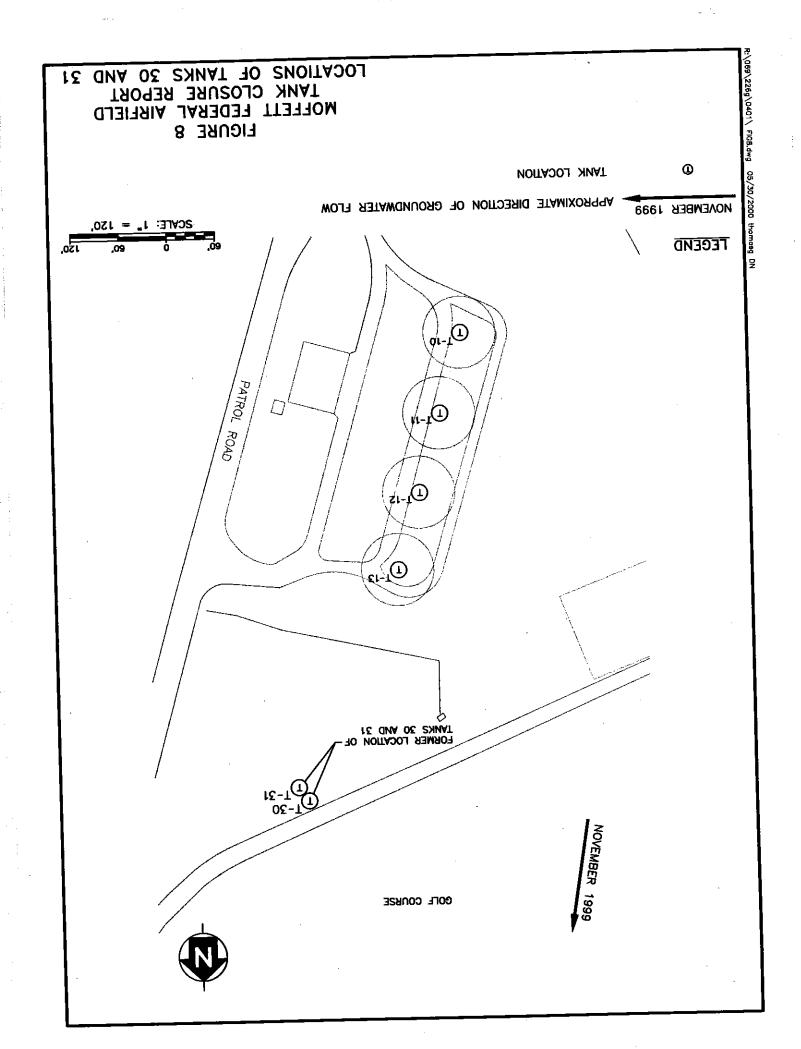


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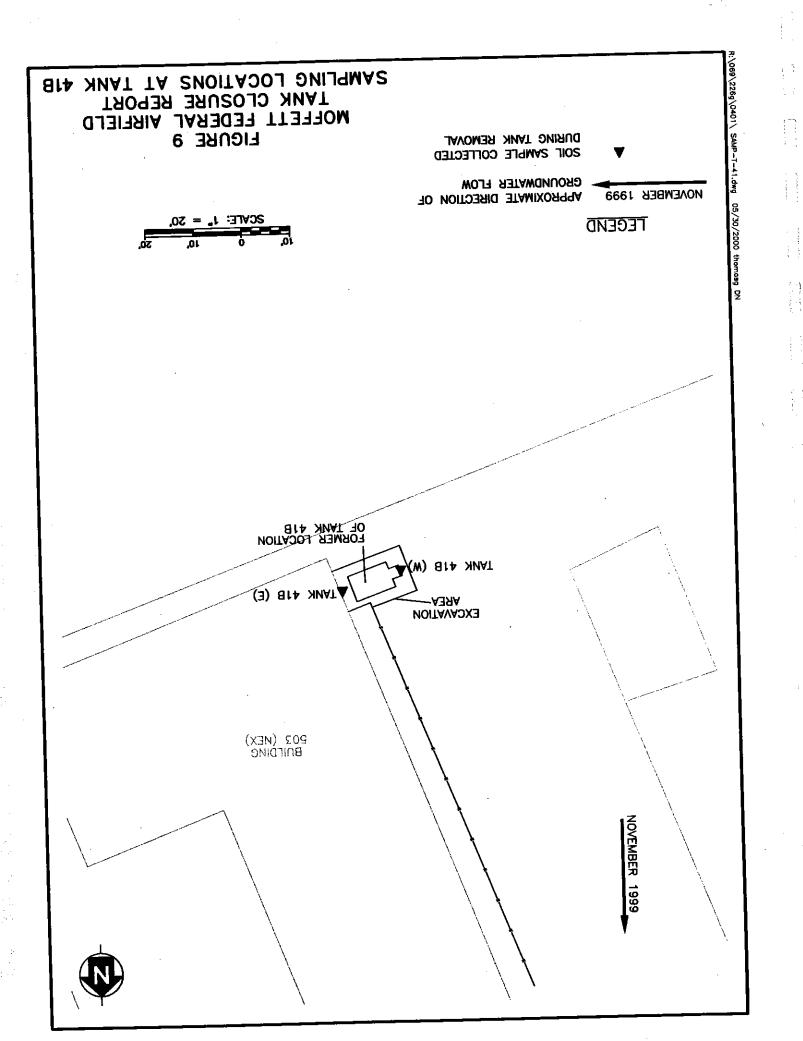
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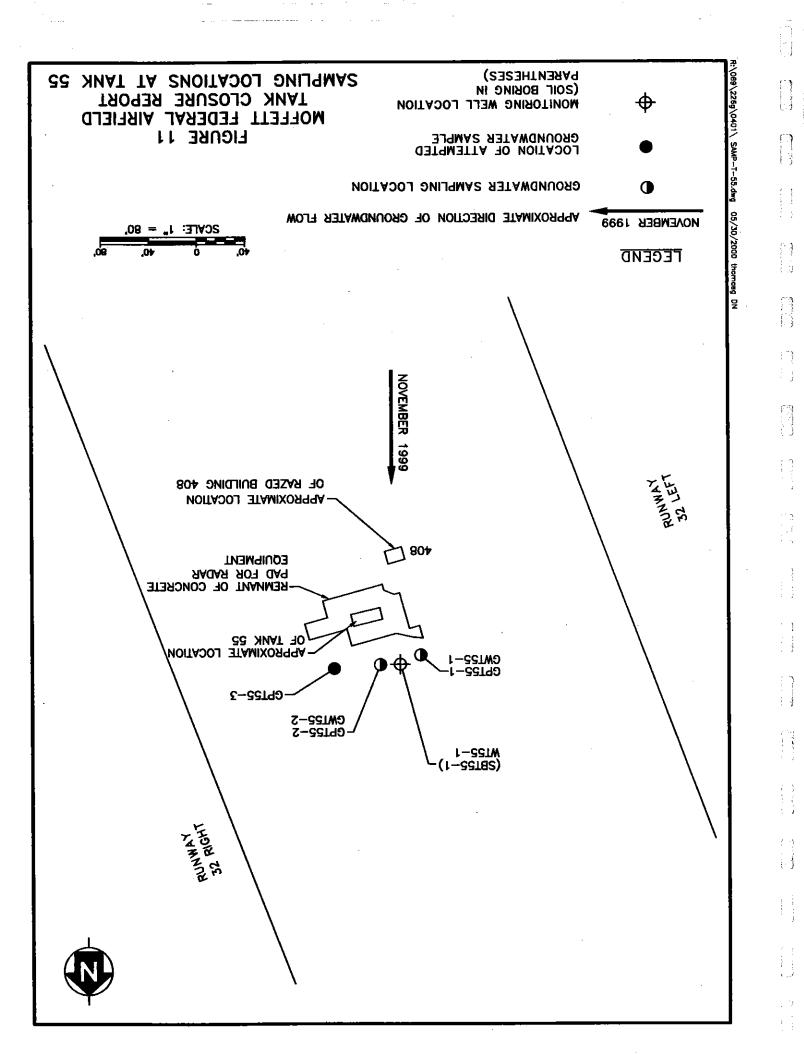
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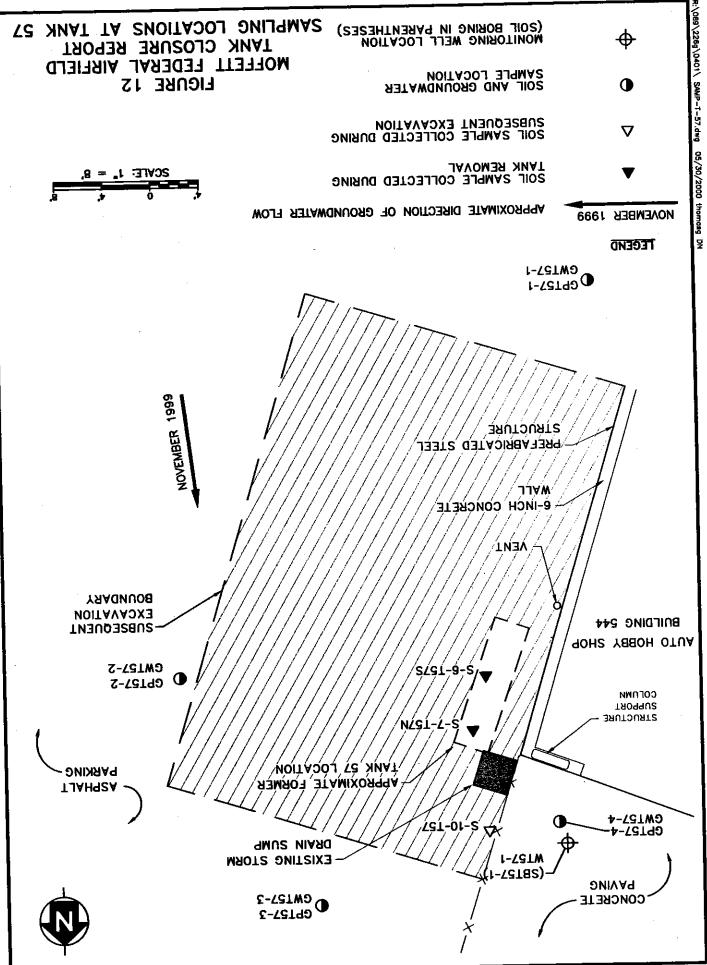


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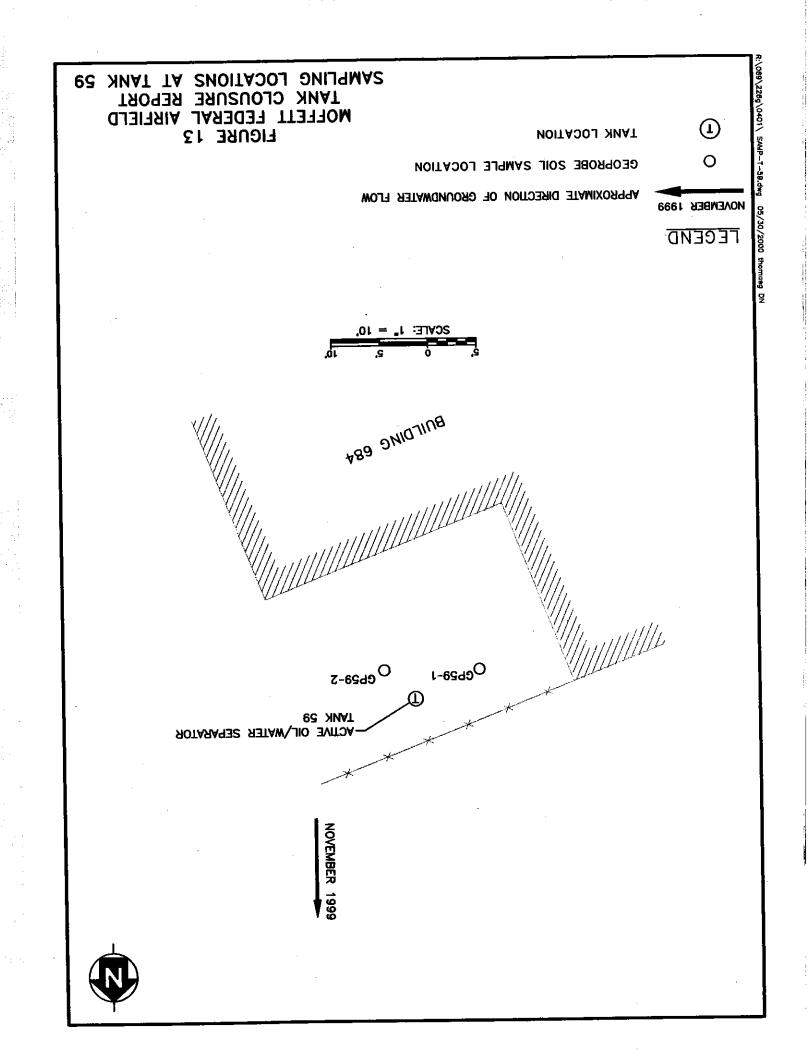




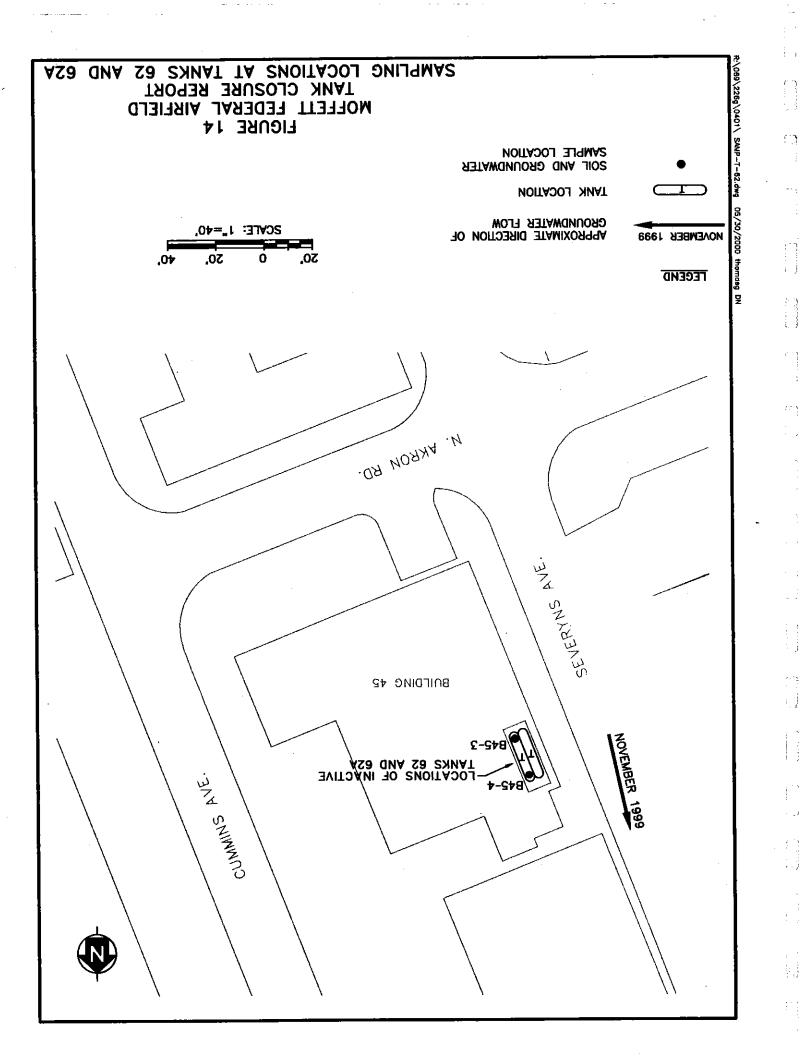
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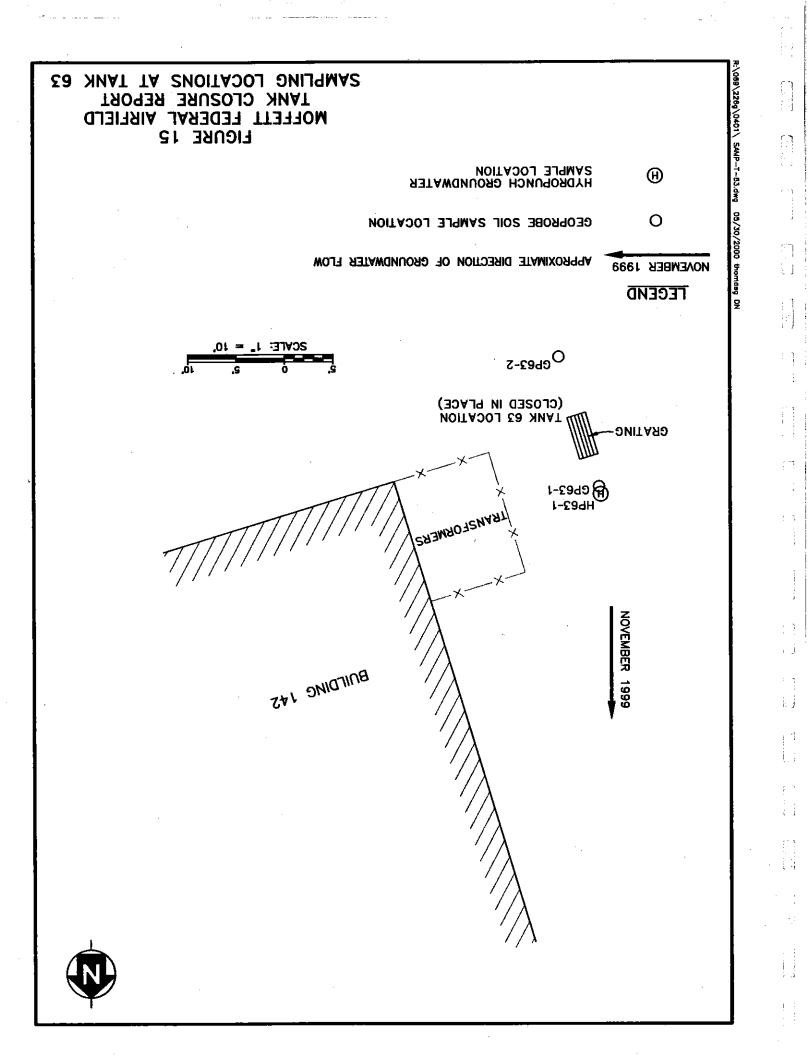


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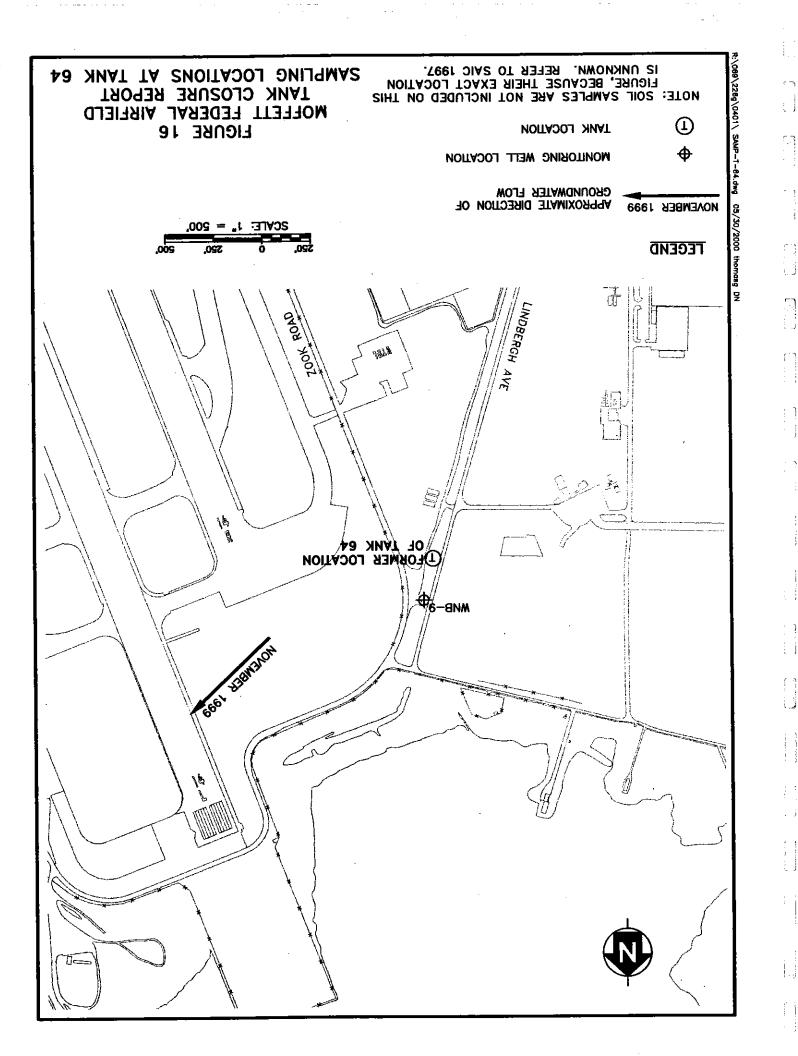


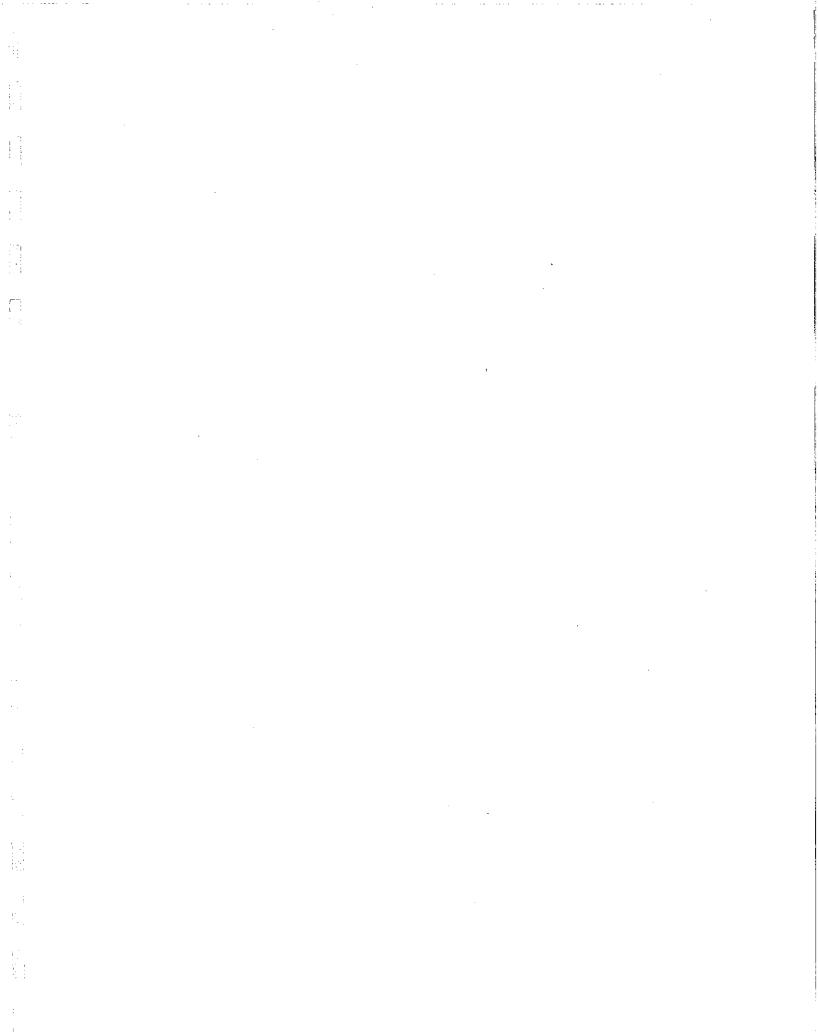
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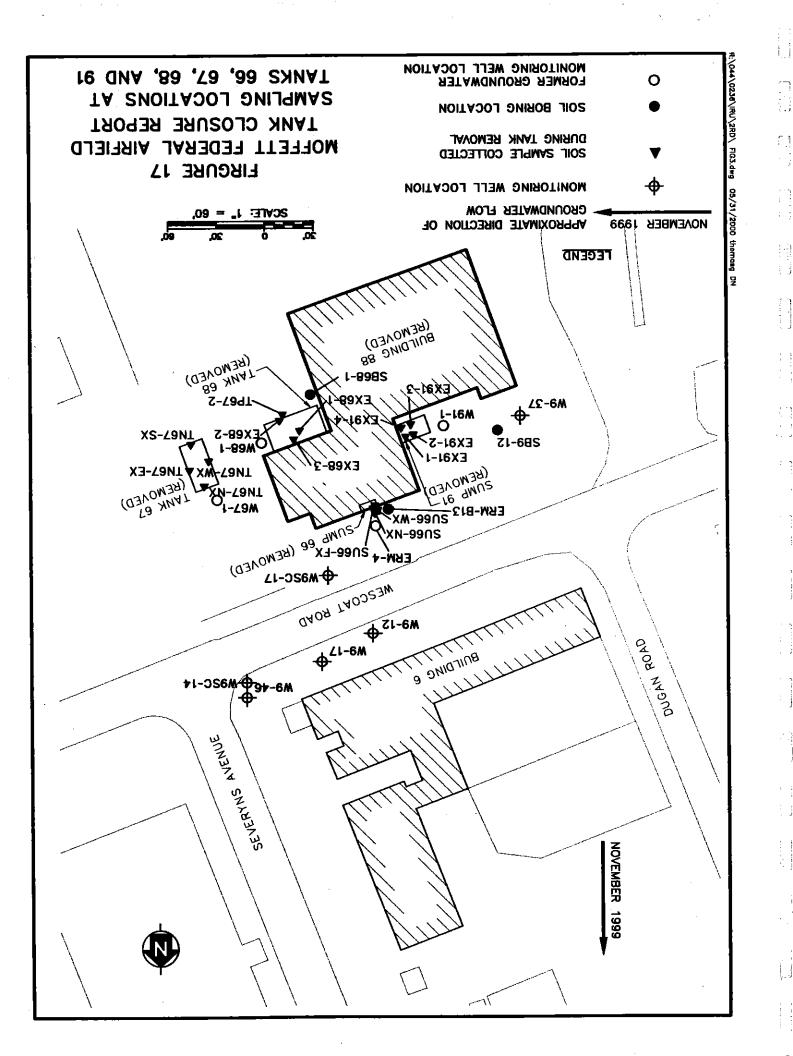
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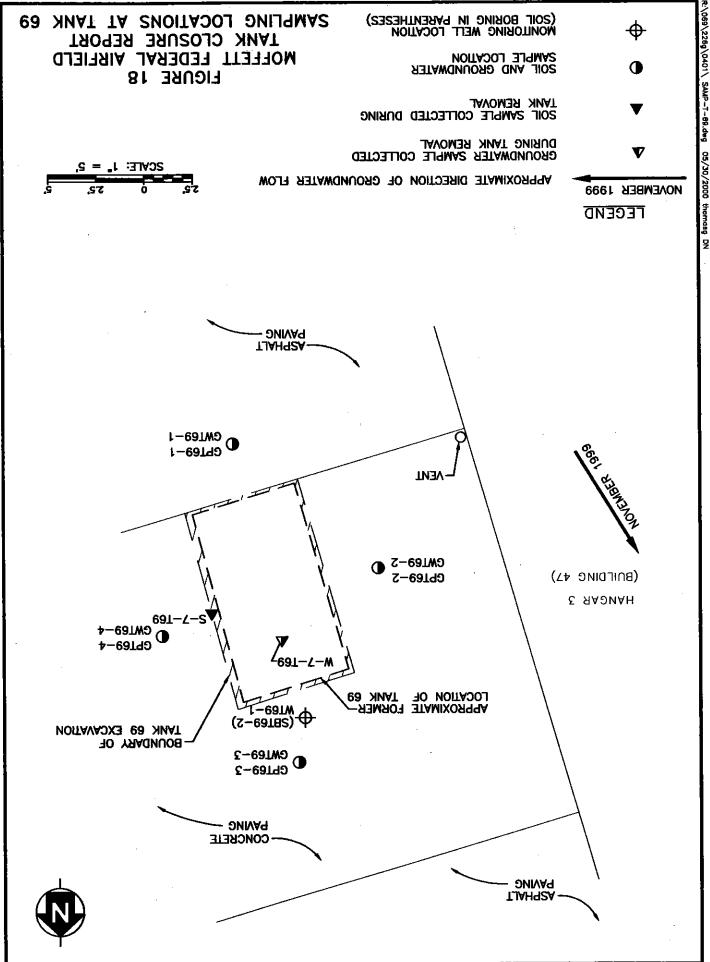
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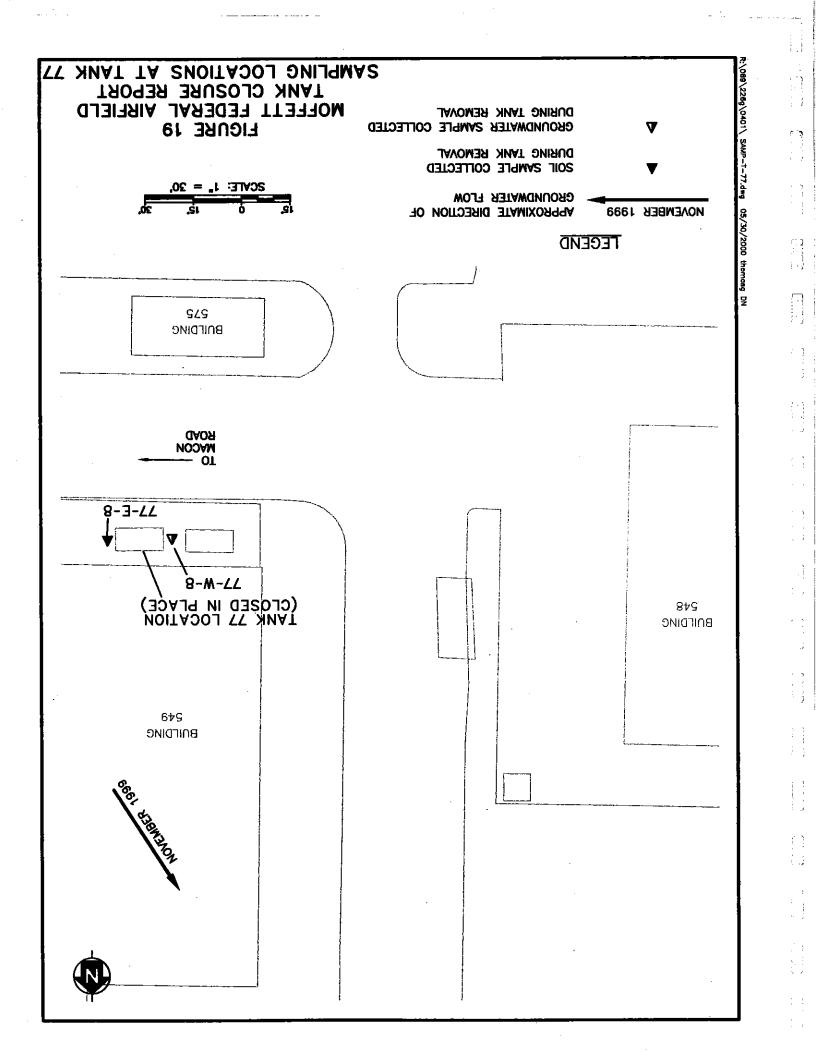
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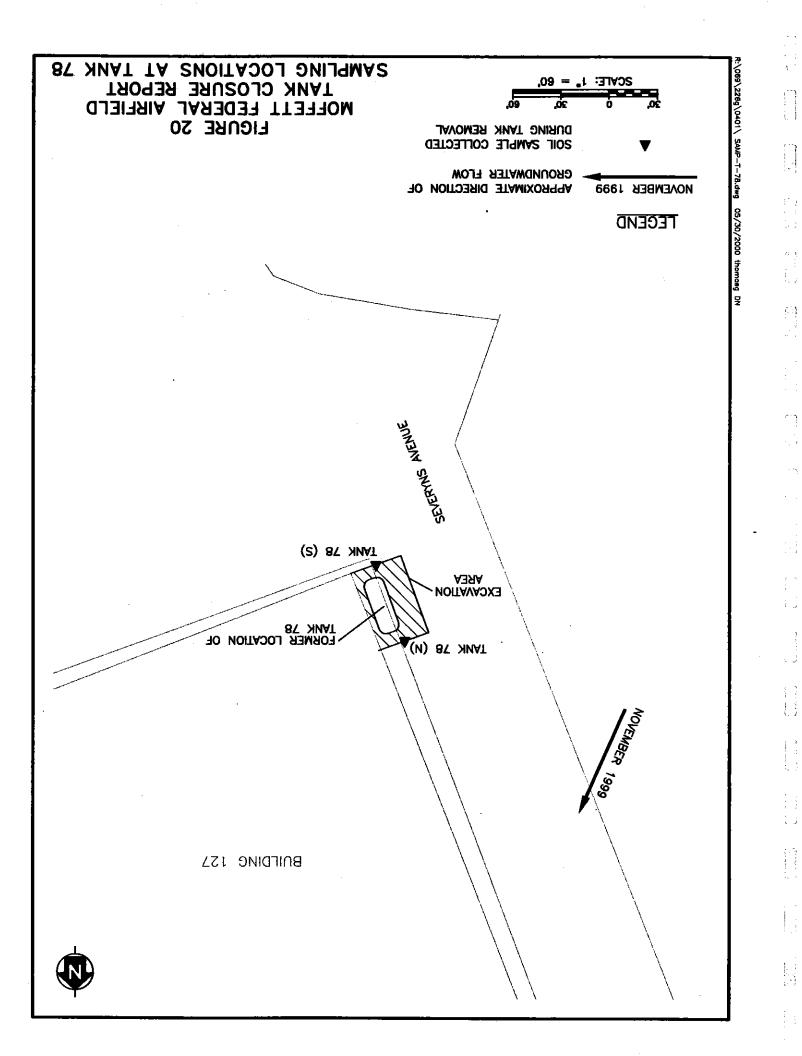
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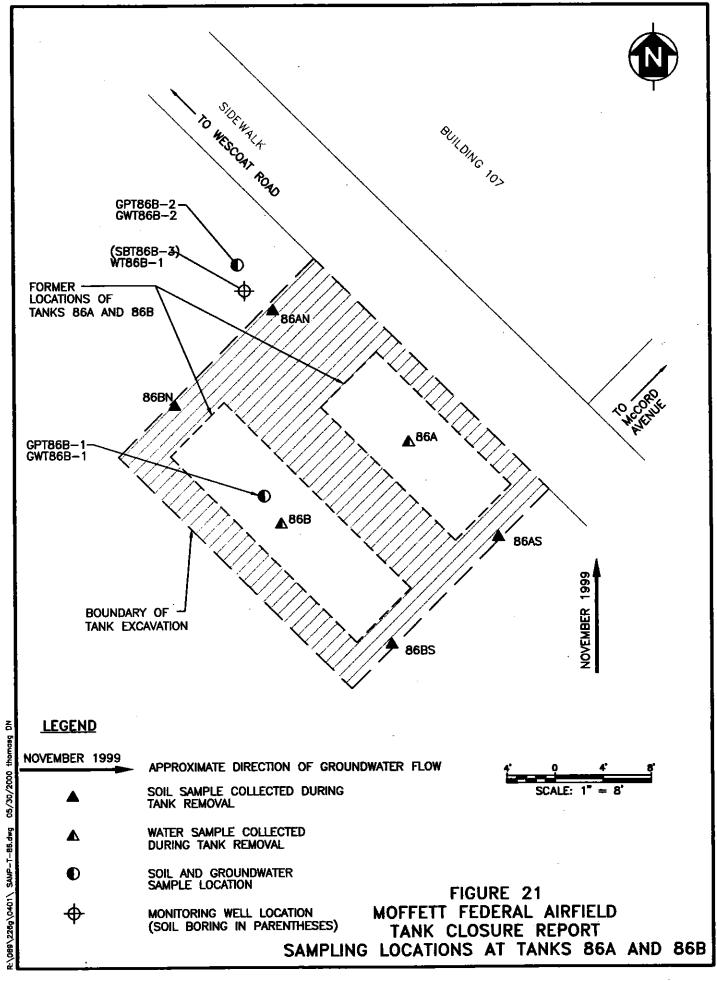
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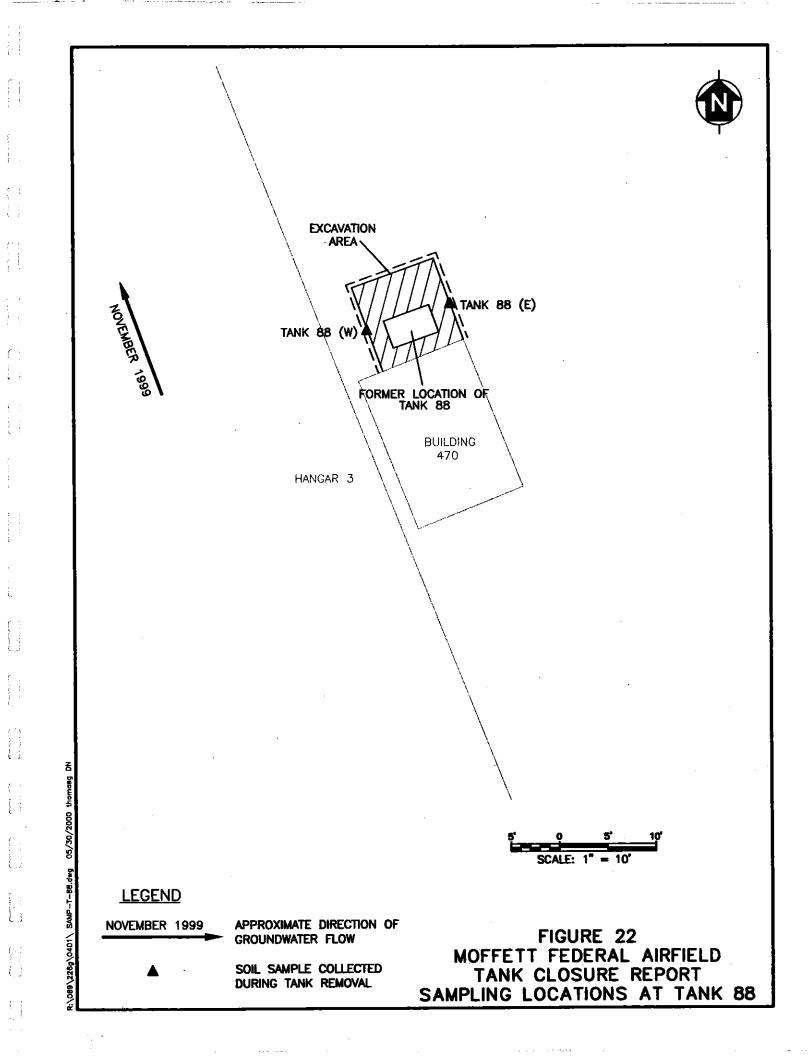
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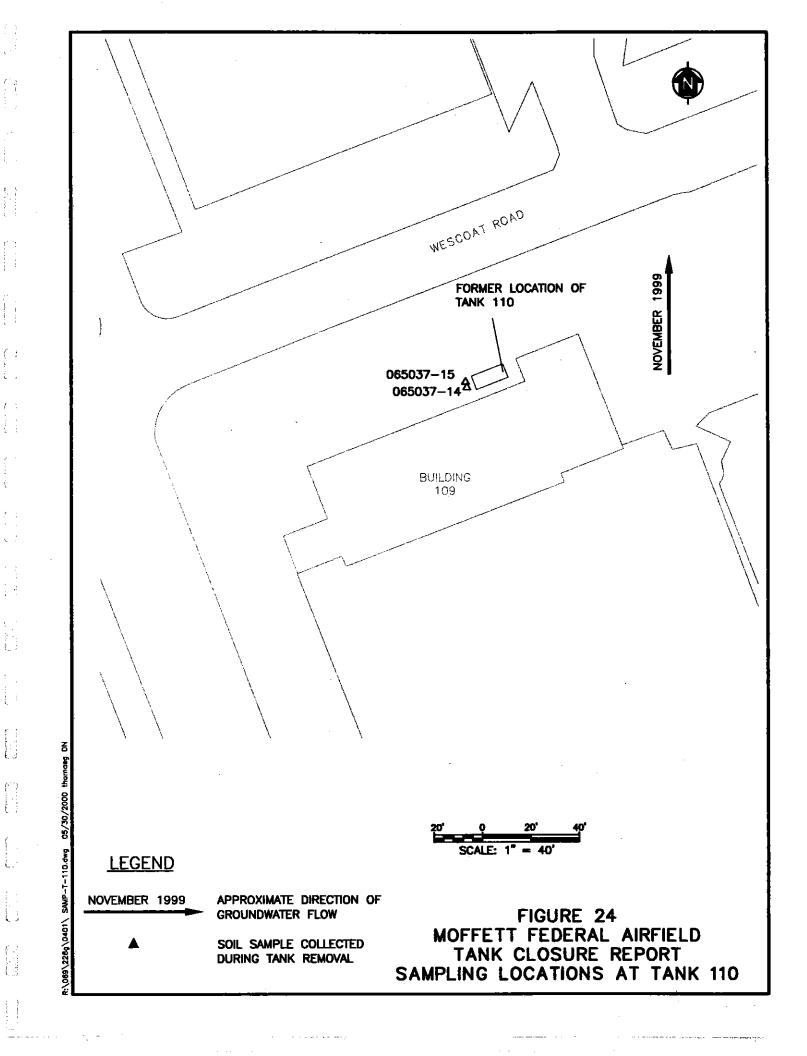


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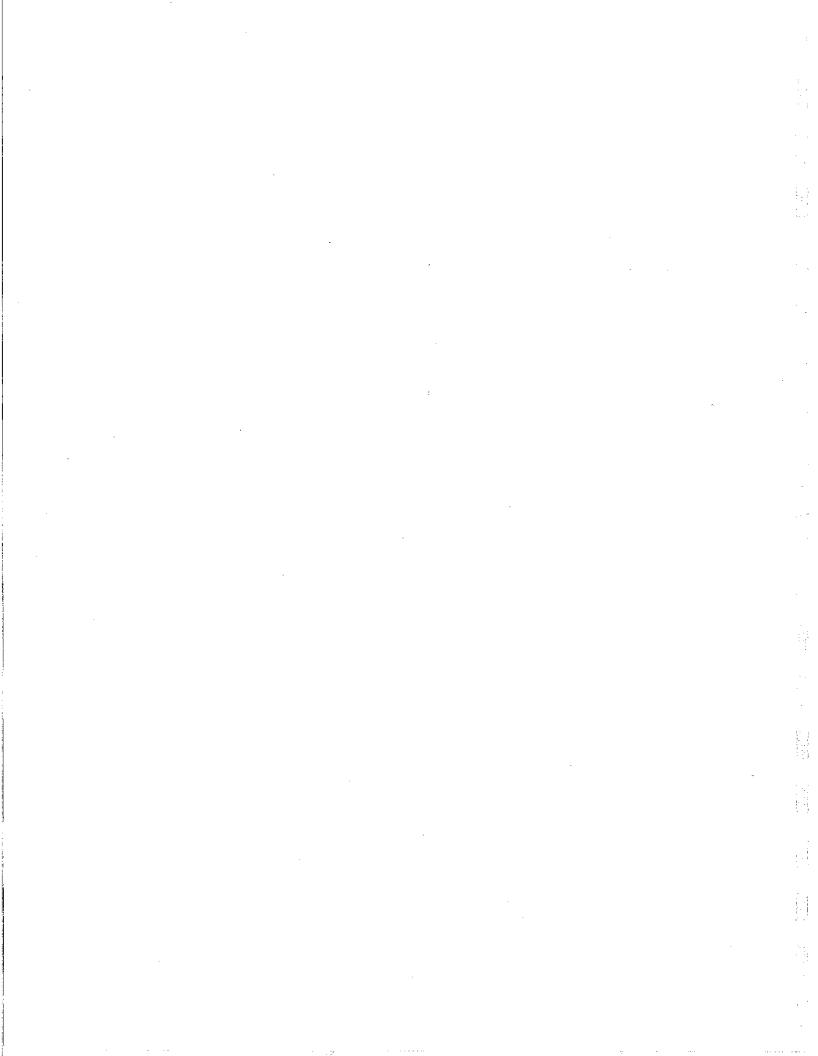
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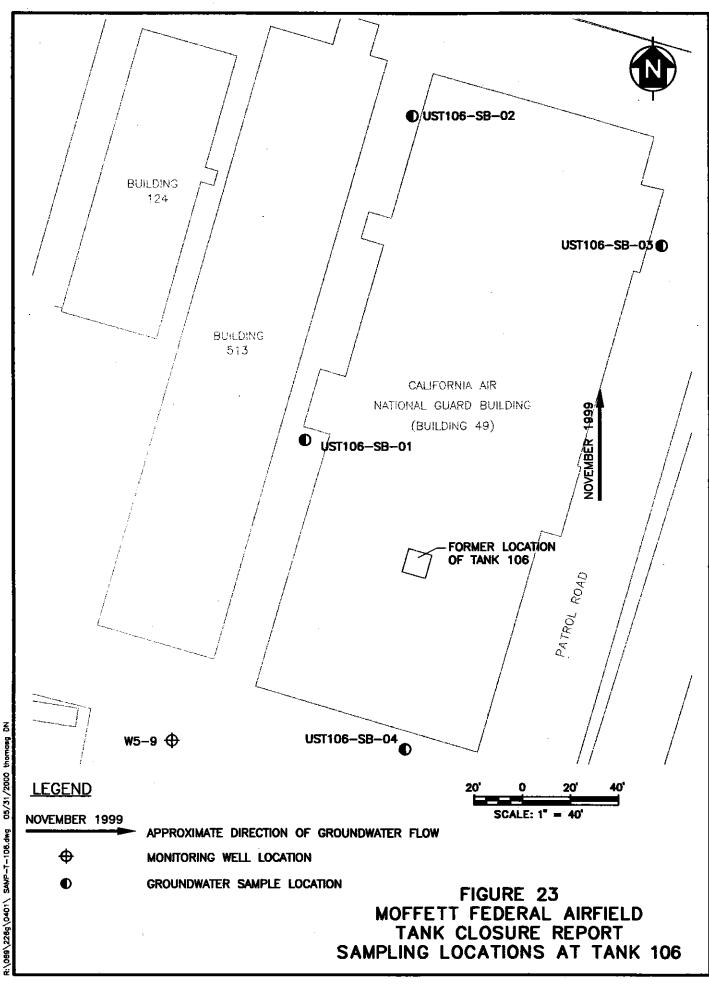
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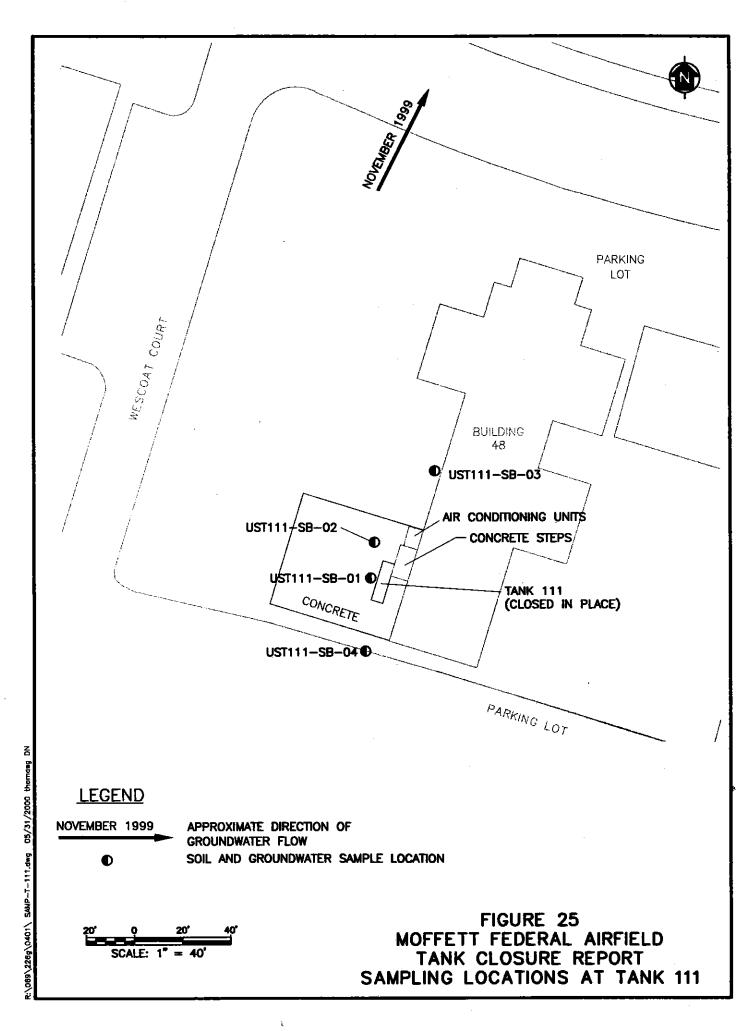
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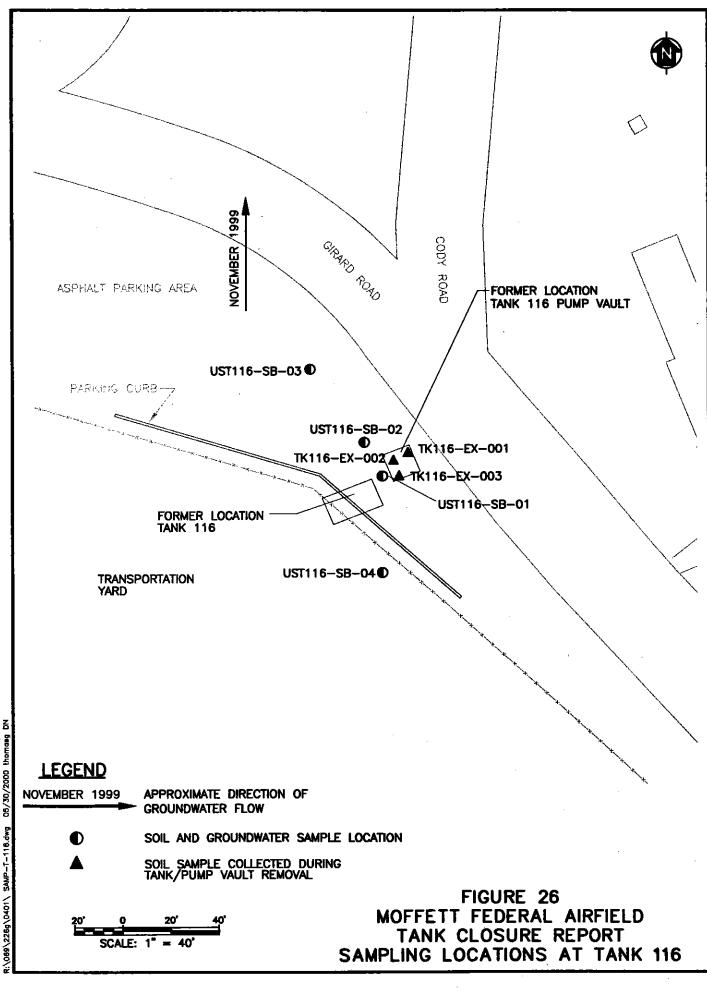
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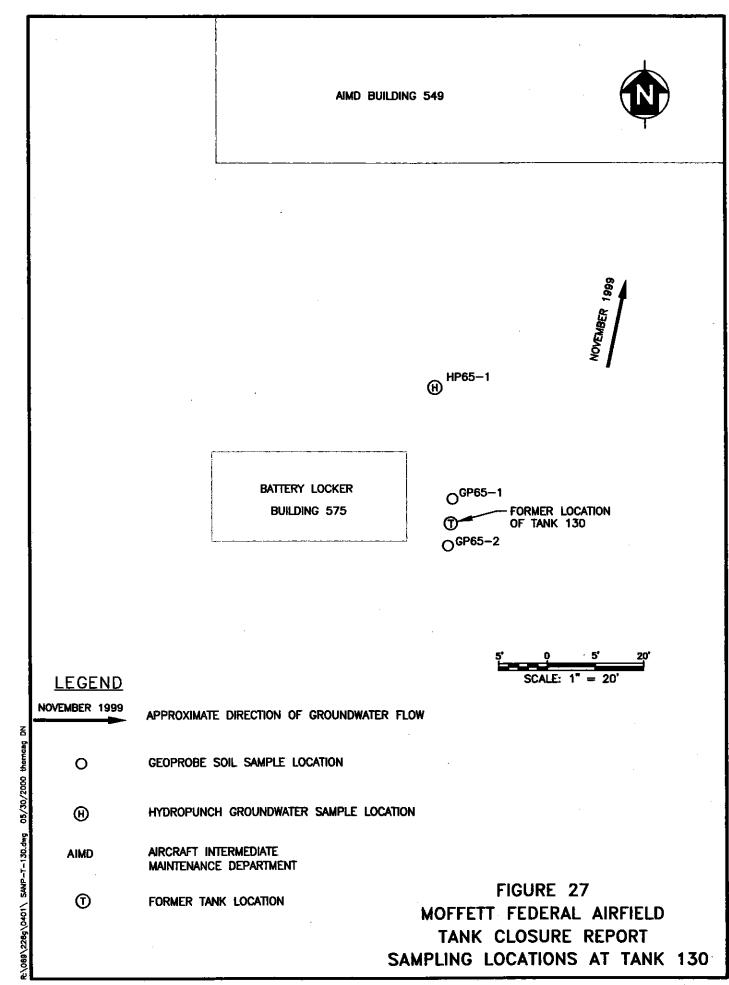
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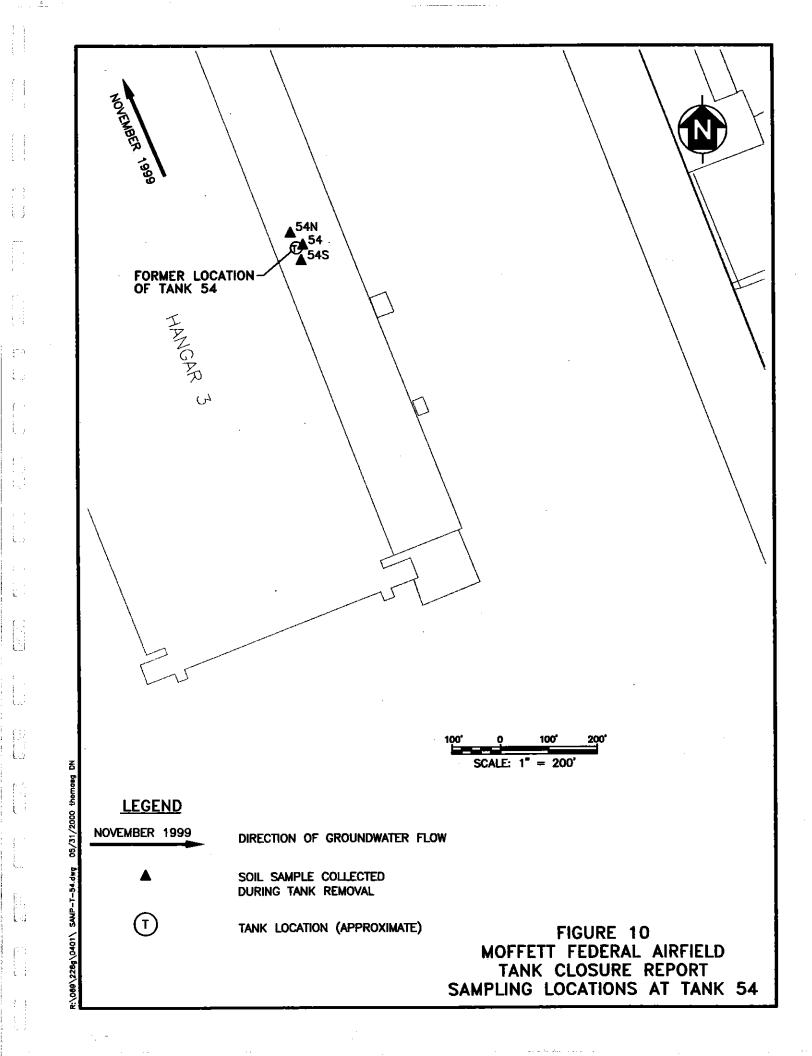
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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT DATA QUALITY OBJECTIVES

DQO STEP	DESCRIPTION	
STEP 1	State the Problem	Petroleum sites at MFA contained petroleum products that may have been released to the environment. Releases may have resulted in petroleum contaminants in soil and groundwater; therefore, petroleum sites require evaluation to determine if a release occurred and, if so, if petroleum constituent concentrations exceed action levels.
STEP 2	Identify the Decisions	<ul> <li><u>Petroleum Release</u>: Has a petroleum release occurred?</li> <li><u>Source Removal</u>: Do concentrations of petroleum constituents in soil or groundwater exceed action levels?</li> <li><u>MTBE</u>: Did the tank contain gasoline and is MTBE analysis needed? If so, are MTBE concentrations in groundwater above 13 µg/L?</li> </ul>
STEP 3	Identify the Inputs to the Decisions	<ul> <li>Historical site and tank information</li> <li>Soil and groundwater data from previous investigations</li> <li>Regulatory guidance</li> </ul>
STEP 4	Define Study Boundaries	The study boundaries are defined as the area surrounding the tanks that may have been affected by a petroleurn release. Lateral boundaries: Release area extending 120 feet downgradient. Vertical boundaries: Ground surface to the total depth of the A1-aquifer zone. Temporal boundaries: Samples collected after 1988.
STEP 5	Develop Decision Rules	ort
		2. $\Delta c_{ction}$ levels. If soil and groundwater results do not exceed the action levels, then the next decision rule will be evaluated. It soil and groundwater results exceed the action levels, then the petroleum site will be evaluated further in an appendix to the TM. 3. $\overline{MTBE}$ . If MTBE analysis is necessary (see item 1) and if the concentration of MTBE exceeds 13 $\mu g/L$ in a groundwater sample, then further evaluation be required. If the MTBE concentration is below 13 $\mu g/L$ , then the site will be recommended for closure.
STEP 6	Specify Limits on Decision Errors	<ol> <li>Analytical uncertainties will be checked through established QA/QC procedures.</li> <li>The proposed sampling design is biased toward areas of known release. Because the sampling method is a non-probability-based design, statistical methods cannot be applied to reduce uncertainty.</li> </ol>
STEP 7	Optimize Sampling Design	Samples were collected on a biased basis to identify the presence of petroleum releases using site-specific information.

Notes:

MFA MTBE QA/QC TM

Moffett Federal Airfield Methyl tertiary butyl ether Micrograms per liter Quality assurance and quality control Basewide Petroleum Site Evaluation Technical Memorandum prepared by Tetra Tech EM Inc. October 2, 1998

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT LOW-RISK CRITERIA CHECKLIST

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Tank Number	Has the leak been stopped and have ongoing sources, including free product, been removed or remediated?	Has the site has been adequately characterized?	Does little or no groundwater impact exist and are contaminants found below action levels?	Are water wells, deeper drinking water aquifers, surface water, or other sensitive receptors likely to be impacted?	Does the site present significant risk to human health?	Does the site present significant risk to the environment?
15	Yes	Yes	Yes	No	No ¹	No
16	Yes	Yes	Yes	No	No ¹	No
18	Yes	Yes	Yes	No	No ¹	No
22	Yes	Yes	Yes	No	No ¹	No
27	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed
28	Yes	Yes	Yes	No	No ¹	No
30	Yes	Yes	Yes	No	No'	No
31	Yes	Yes	Yes	No	No ¹	No
41B	Yes	Yes	Yes	No	No ¹	No
51	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed
54	Yes	Yes	Yes	No	No ¹	No
55	Yes	Yes	Yes	No	No ¹	No
57	Yes	Yes	Yes	No	No ¹	No
59	Yes	Yes	Yes	No	No ¹	No
62	Yes	Yes	Yes	No	No ¹	No
62A	Yes	Yes	Yes	No	No ¹	No
63	Yes	Yes	Yes	No	No ¹	No
64	Yes	Yes	Yes	No	No ¹	No
65	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed
66	Yes	Yes	Yes	No	No ¹	No
67	Yes	Yes	Yes	No	No ¹	No
68	Yes	Yes	Yes	No	No ¹	No

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT LOW-RISK CRITERIA CHECKLIST

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Tank	Has the leak been stopped and have ongoing sources, including free product, been removed or remediated?	Has the site has been adequately characterized?	Does little or no groundwater impact exist and are contaminants found below action levels?	Are water wells, deeper drinking water aquifers, surface water, or other sensitive receptors likely to be impacted?	Does the site present significant risk to human health?	Does the site present significant risk to the environment?
69	Yes	Yes	Yes	No	No ¹	No
77	Yes	Yes	Yes	No	No ¹	No
78	Yes	Yes	Yes	No	No ¹	No
86A	Yes	Yes	Yes	No	No ¹	No
86B	Yes	Yes	Yes	No	No ¹	No
88	Yes	Yes	Yes	No	No ¹	No
91	Yes	Yes	Yes	No	No ¹	No
106	Yes	Yes	Yes	No	No ¹	No
110	Yes	Yes	Yes	No	No ¹	No
111	Yes	Yes	Yes	No	No ¹	No
112	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed
116	Yes	Yes	Yes	No	No'	No
117	Yes	Yes	Yes	No	No ¹	No
123	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed	Tank never existed
130	Yes	Yes	Yes	No	No ¹	No

Notes:

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Soil and groundwater concentrations do not exceed set action items for petroleum site evaluations; therefore, a human health risk assessment was not performed.

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 15 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 15 North	6	18-Dec-92	0.005 U
Tank 15 South	6	18-Dec-92	0.005 U
Tank 15 Pipe	6	18-Dec-92	0.005 U
TN15-S-001	6	07-Jul-93	0.005_U
TN15-S-002	6	07-Jul-93	0.005 U
Chemical Name: DIESEL-RANGE ORGANIC	C COMPOUNDS		
Location/Sample ID	Sample Depth	Sample Date	<u>Concentration</u>
Tank 15 North	6	18-Dec-92	4,400
Tank 15 South	6	18-Dec-92	1.3
Tank 15 Pipe	6	18-Dec-92	1.0 U
TN15-S-001	6	07-Jul-93	0.005 U
TN15-S-002	6	07-Jul-93	0.005 U
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 15 North	6	18-Dec-92	0.014
Tank 15 South	6	18-Dec-92	0.005 U
Tank 15 Pipe	6	18-Dec-92	0.005 U
TN15-S-001	6	07-Jul-93	0.005 U
TN15-S-002	6	07-Jul-93	0.005 U
Chemical Name: TOLUENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
Tank 15 North	6	18-Dec-92	0.0057
Tank 15 South	6	18-Dec-92	0.005 U
Tank 15 Pipe	6	18-Dec-92	0.005 U
TN15-S-001	6	07-Jul-93	0.005 U
TN15-S-002	6	07-Jul-93	0.005 U
Chemical Name: XYLENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 15 North	6	18-Dec-92	0.15
Tank 15 South	6	18-Dec-92	0.005 U
Tank 15 Pipe	6	18-Dec-92	0.005 U
TN15-S-001	6	07-Jul-93	0.005 U
TN15-S-002	6	07-Jul-93	0.005 U

Notes:

U - Analyzed for but not detected (reported value is detection limit)

1 - Feet below ground surface (exact depth unknown)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 18 SOIL DATA (Concentrations in milligrams per kilogram)

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Chemical Name: BENZENE	· . ·		
Location/Sample ID	<u>Sample Depth</u>	<u>Sample Date</u>	<u>Concentration</u>
18A - 065037-12	Unknown	05-Арг-94	0.1 U
18B - 065037-13	Unknown	05-Apr-94	0.1 U
Chemical Name: DIESEL-RANGE ORGANI	C COMPOUNDS		
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
18A - 065037-12	Unknown	12-Apr-94	1 U
18B - 065037-13	Unknown	12-Арг-94	5
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
18A - 065037-12	Unknown	05-Apr-94	0.1 U
18B - 065037-13	Unknown	05-Apr-94	0.1 U
Chemical Name: TOLUENE			
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
18A - 065037-12	Unknown	05-Apr-94	0.1 U
18B - 065037-13	Unknown	05-Apr-94	0.1 U
Chemical Name: XYLENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
18A - 065037-12	Unknown	05-Apr-94	0.1 U
18B - 065037-13	Unknown	05-Apr-94	0.1 U

Notes:

U - Analyzed for but not detected (reported value is detection limit)

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 18 GROUNDWATER DATA (Concentrations in micrograms per liter)

Location - Sample ID	Sample Date	Concentration
W05-09 - MOF0167	17-OCT-88	10.0 U
W05-09 - MOF0259	04-NOV-88	10.0 U
W05-09 - MOF0371	13-DEC-88	10.0 U
W05-09 - MOF0428	11-JAN-89	10.0 U
W05-09 - MOF0597	13-APR-89	10.0 U
W05-09 - MOF0775	18-JUL-89	10.0 U
hemical Name: BENZENE		
Location - Sample ID	Sample Date	Concentration
W05-09 - MOF0167	17-OCT-88	5.0 U
W05-09 - MOF0259	04-NOV-88	5.0 U
W05-09 - MOF0371	13-DEC-88	5.0 U
W05-09 - MOF0428	11 <b>-JAN-89</b>	5.0 U
W05-09 - MOF0597	13-APR-89	5.0 U
W05-09 - MOF0775	18-JUL-89	5.0 U
W05-09 - MOF1498	24-APR-91	5.0 U
W05-09 - MOF1856	21-OCT-91	10.0 UJ
W05-09 - MOF2015	15-JAN-92	10.0 U
W05-09 - MOF2115	13-APR-92	10.0 U
W05-09 - MOF2123 (Dup)	14-APR-92	10.0 U
hemical Name: BENZO(A)PYRENE	,	
Location - Sample ID	Sample Date	<b>Concentration</b>
W05-09 - MOF0167	17-OCT-88	10.0 U
W05-09 - MOF0259	04-NOV-88	10.0 U
	V11101 00	10.0 0
W05-09 - MOF0371	13-DEC-88	10.0 U
W05-09 - MOF0371	13-DEC-88	10.0 U
W05-09 - MOF0371 W05-09 - MOF0428	13-DEC-88 11-JAN-89	10.0 U 10.0 U
W05-09 - MOF0371 W05-09 - MOF0428 W05-09 - MOF0597 W05-09 - MOF0775	13-DEC-88 11-JAN-89 13-APR-89	10.0 U 10.0 U 10.0 U
W05-09 - MOF0371 W05-09 - MOF0428 W05-09 - MOF0597 W05-09 - MOF0775	13-DEC-88 11-JAN-89 13-APR-89	10.0 U 10.0 U 10.0 U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         Chemical Name:         ETHYLBENZENE	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89	10.0         U           10.0         U           10.0         U           10.0         U           10.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         Hemical Name:         ETHYLBENZENE         Location - Sample ID	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 Sample Date	10.0         U           10.0         U           10.0         U           10.0         U           10.0         U           10.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         hemical Name:       ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88	10.0         U           10.0         U           10.0         U           10.0         U           10.0         U           5.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         hemical Name: ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88	10.0         U           10.0         U           10.0         U           10.0         U           10.0         U           5.0         U           5.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         hemical Name: ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259         W05-09 - MOF0371	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88 13-DEC-88	10.0         U           10.0         U           10.0         U           10.0         U           10.0         U           5.0         U           5.0         U           5.0         U           5.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         hemical Name:       ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259         W05-09 - MOF0371         W05-09 - MOF0428	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88 13-DEC-88 11-JAN-89	10.0         U           10.0         U           10.0         U           10.0         U           10.0         U           5.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775 <b>hemical Name:</b> ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259         W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0371	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88 13-DEC-88 11-JAN-89 13-APR-89	10.0         U           5.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         Chemical Name: ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259         W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0428         W05-09 - MOF0475	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88 13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89	10.0 U 10.0 U 10.0 U 10.0 U <b>Concentration</b> 5.0 U 5.0 U 5.0 U 5.0 U 5.0 U 5.0 U 5.0 U 5.0 U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         Chemical Name: ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259         W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0428         W05-09 - MOF0428         W05-09 - MOF0428         W05-09 - MOF0775         W05-09 - MOF1498	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88 13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 24-APR-91	10.0         U           5.0         U
W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         Chemical Name: ETHYLBENZENE         Location - Sample ID         W05-09 - MOF0167         W05-09 - MOF0259         W05-09 - MOF0371         W05-09 - MOF0428         W05-09 - MOF0597         W05-09 - MOF0775         W05-09 - MOF1498         W05-09 - MOF1856	13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 <b>Sample Date</b> 17-OCT-88 04-NOV-88 13-DEC-88 11-JAN-89 13-APR-89 18-JUL-89 24-APR-91 21-OCT-91	10.0         U           5.0         U           10.0         UJ

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# TABLE 5 (Continued)

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 18 GROUNDWATER DATA (Concentrations in micrograms der liter)

Chemical Name: JP-5		
Location - Sample ID	Sample Date	Concentration
W05-09 - MOF0167	17-OCT-88	0.25 U
W05-09 - MOF0259	04-NOV-88	0.25 U
W05-09 - MOF0371	13-DEC-88	0.25 U
W05-09 - MOF0428	11-JAN-89	0.25 U
W05-09 - MOF0597	13-APR-89	0.25 U
W05-09 - MOF0775	18-JUL-89	0.25 U
W05-09 - MOF1498	24-APR-91	50.0 U
W05-09 - MOF1856	21-OCT-91	UJ
W05-09 - MOF2015	15-JAN-92	250.0 U
W05-09 - MOF2115	13-APR-92	250.0 U
W05-09 - MOF2123 (Dup)	14-APR-92	250.0 U
Chemical Name: NAPHTHALENE		
Location - Sample ID	Sample Date	Concentration
W05-09 - MOF0167	17-OCT-88	10.0 U
W05-09 - MOF0259	04-NOV-88	10.0 U
W05-09 - MOF0371	13-DEC-88	10.0 U
W05-09 - MOF0428	11-JAN-89	10.0 U
W05-09 - MOF0597	13-APR-89	10.0 U
W05-09 - MOF0775	18-JUL-89	10.0 U
Chemical Name: TOLUENE Location - Sample ID	Sample Date	Concentration
W05-09 - MOF0167	17-OCT-88	5.0 U
W05-09 - MOF0259	04-NOV-88	5.0 U
W05-09 - MOF0371	13-DEC-88	5.0 U
W05-09 - MOF0428	11-JAN-89	5.0 U
W05-09 - MOF0597	13-APR-89	5.0 U
W05-09 - MOF0775	18-JUL-89	5.0 U
W05-09 - MOF1498	24-APR-91	5.0 U
W05-09 - MOF1856	21-OCT-91	10.0 UJ
W05-09 - MOF2015	15-JAN-92	10.0 U
W05-09 - MOF2115	13-APR-92	10.0 U
W05-09 - MOF2123 (Dup)	14-APR-92	10.0 U
Chemical Name: XYLENES (TOTAL)		
Location - Sample ID	Sample Date	Concentration
W05-09 - MOF0167	17-OCT-88	5.0 U
W05-09 - MOF0259	04-NOV-88	5.0 U
W05-09 - MOF0371	13-DEC-88	5.0 U
W05-09 - MOF0428	11 <b>-JAN-8</b> 9	5.0 U
W05-09 - MOF0597	13-APR-89	5.0 U
W05-09 - MOF0775	18-JUL-89	5.0 U
W05-09 - MOF1498	24-APR-91	5.0 U
W05-09 - MOF1856	21-OCT-91	10.0 UJ

Report: mof_14_NEX_itw.rdf

### TABLE 5 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 18 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: XYLENES (TOTAL)		
Location - Sample ID	Sample Date	Concentration
W05-09 - MOF2015	15-JAN-92	10.0 U
W05-09 - MOF2115	13-APR-92	10.0 U
W05-09 - MOF2123 (Dup)	14-APR-92	10.0 U

### Notes:

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J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

- Analyzed for but not detected (reported value is detection limit).

Dup - Duplicate sample

# MOFFETT FEDERAL AIRFIELD PETROLEUM SITE EVALUATION TANK 22 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE			· · · · · · · · · · · · · · · · · · ·
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 22E	6	18-Dec-92	0.005 U
Tank 22W	6	18-Dec-92	0.005 U
TN22-SL-S-001	2	07-Jul-93	0.005 U
TN22-SL-N-001	2	07-Jul-93	0.005 U
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	0.006 U
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	0.006 U
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	0.006 UJ-S
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	0.006 U
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	0.00061 U
Chemical Name: DIESEL-RANGE ORGA	NIC COMPOUNDS		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 22E	6	18-Dec-92	2.4
Tank 22W	6	18-Dec-92	130
TN22-SL-S-001	2 .	07-Jul-93	1 U
TN22-SL-N-001	2	07-Jul-93	1.1
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	1.2 U
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	<u>1.2</u> U
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	1.2 U
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	1.2 U
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	12 U
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 22E	6	18-Dec-92	0.005 U
Tank 22W	6	18-Dec-92	0.005 U
TN22-SL-S-001	6	07-Jul-93	0.005 U
TN22-SL-N-001	6	07-Jul-93	0.005 U
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	0.006 U
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	0.006 U
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	0.006 UJ-S
<u>GPT22-2 - GPT22-2(7.0)</u>	7	29-Jun-95	0.006 U
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	0.00061 U
Chemical Name: GASOLINE-RANGE ORGA			
Location/Sample ID	<u>Sample Depth</u>	Sample Date	<u>Concentration</u>
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	1.2 U
<u>GPT22-1 - GPT22-1(6.7)</u>	6.7	29-Jun-95	1.2 U
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	1.2 UJ-S
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	1.2 U
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	0.61 U

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### **TABLE 6 (Continued)**

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 22 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: JP5-RANGE C	DRGANIC COMPOUNI	DS			
Location/Sample ID	Sample Depth ¹	Sample Date	Concentration		
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	1.2 U		
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	1.2 U		
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	1.2 U		
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	1.2 U		
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	12 U		
Chemical Name: KEROSENE-I	RANGE ORGANIC CO	MPOUNDS			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>		
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	1.2 U		
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	1.2 U		
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	1.2 U		
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	1.2 U		
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	12 U		
Chemical Name: MOTOR OIL-	RANGE ORGANIC CO	MPOUNDS			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>		
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	12 U		
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	12 U		
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	12 U		
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	12 U		
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	12 U		
Chemical Name: OTHER HEA	VY TPH COMPONENT	`S			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>		
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	1.2 U		
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	1.2 U		
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	38 YJ-S		
GPT22-2 - GPT22-2(7.0)	.7	29-Jun-95	1.2 U		
Chemical Name: OTHER LIGE	IT TPH COMPONENTS	s -			
Location/Sample ID	<u>Sample Depth</u> ¹	Sample Date	<b>Concentration</b>		
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	1.2 U		
GPT22-1 - GPT22-1(6.7)	6.7	29-Jun-95	1.2 U		
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	1.2 UJ-S		
GPT22-2 - GPT22-2(7.0)	_ 7	29-Jun-95	1.2 U		
Chemical Name: TOLUENE					
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>		
	6	Sample Date 18-Dec-92	Concentration 0.005 U		
Location/Sample ID	6 6		0.005 U 0.005 U		
Location/Sample ID Tank 22E	6 6 2	18-Dec-92 18-Dec-92 07-Jul-93	0.005 U		
Location/Sample ID Tank 22E Tank 22W	6 6	18-Dec-92 18-Dec-92	0.005 U 0.005 U		
Location/Sample ID Tank 22E Tank 22W TN22-SL-S-001	6 6 2	18-Dec-92 18-Dec-92 07-Jul-93	0.005 U 0.005 U 0.005 U		
Location/Sample ID Tank 22E Tank 22W TN22-SL-S-001 TN22-SL-N-001	6 6 2 2	18-Dec-92 18-Dec-92 07-Jul-93 07-Jul-93	0.005 U 0.005 U 0.005 U 0.005 U		

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### TABLE 6 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 22 SOIL DATA

# (Concentrations in milligrams per kilogram)

Chemical Name: TOLUENE (Co	ontinued)		
Location/Sample ID	<u>Sample Depth</u> ¹	Sample Date	<b>Concentration</b>
<u>GPT22-2 - GPT22-2(7.0)</u>	7	29-Jun-95	0.006 U
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	0.00061 U
Chemical Name: XYLENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 22E	6	18-Dec-92	0.005 U
Tank 22W	6	18-Dec-92	0.005 U
TN22-SL-S-001	2	07-Jul-93	0.005 U
TN22-SL-N-001	2	07-Jul-93	0.005 U
GPT22-1 - GPT22-1(5.1)	5.1	29-Jun-95	0.006 U
<u>GPT22-1 - GPT22-1(6.7)</u>	6.7	29-Jun-95	0.006 U
GPT22-2 - GPT22-2(5.4)	5.4	29-Jun-95	0.006 UJ-S
GPT22-2 - GPT22-2(7.0)	7	29-Jun-95	0.006 U
SBT22-1 - SBT22-1(8.0)	8	8-Aug-95	0.00061 U

Notes:

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J - The analyte was postively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

S - Value is estimaed because the surrogate recovery was out of quality control limits.

U - Analyzed for but not detected (reported value is detection limit)

1 - Feet below ground surface (exact depth unknown)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 22 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: BENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	0.5 U
WT22-1 - GWT22-1	6-Jul-95	0.5 U
WT22-1 - WT22-1	11-Aug-95	0.5 U
WT22-1 - WT22-1	23-Feb-96	0.5 U
WT22-1 - WT22-1	21-Aug-96	0.5 U
WT22-1 - WT22-1	20-Nov-96	0.5 U
WT22-1 - WT22-1	20-Nov-96	50 U
WT22-1 - WT22-1	31-Aug-99	1 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	0.5 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	0.5 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	0.5 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	50 U
Chemical Name: DIESEL-RANGE ORGANIC COM	POUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	50 U
WT22-1 - WT22-1	11-Aug-95	280
WT22-1 - WT22-1	23-Feb-96	130 Z
WT22-1 - WT22-1	21-Aug-96	270 Y
WT22-1 - WT22-1	20-Nov-96	260 YZ
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	130 Z
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	300 Y
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	260 YZ
Chemical Name: ETHYLBENZENE		
Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	0.5 U
WT22-1 - GWT22-1	6-Jul-95	0.5 U
WT22-1 - WT22-1	11-Aug-95	0.5 U
WT22-1 - WT22-1	23-Feb-96	0.5 U
WT22-1 - WT22-1	21-Aug-96	0.5 U
WT22-1 - WT22-1	21-Aug-96	2 U
WT22-1 - WT22-1	20-Nov-96	0.5 U
WT22-1 - WT22-1	20-Nov-96	50 U
WT22-1 - WT22-1	31-Aug-99	1 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	0.5 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	0.5 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	2 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	0.5 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	50 U
	MDOUNDE	
Chemical Name: GASOLINE-RANGE ORGANIC CO	JMFOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
<u>Location/Sample ID</u> GPT22-2 - GWT22-2	<u>Sample Date</u> 6-Jul-95	50 U
Location/Sample ID	Sample Date	

# TABLE 7 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 22 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: GASOLINE-RANGE ORGA	NIC COMPOLINDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
WT22-1 - WT22-1	23-Feb-96	37 JZ
WT22-1 - WT22-1	21-Aug-96	50 U
WT22-1 - WT22-1	20-Nov-96	50 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	50 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	50 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	50 U
Chemical Name: JP5-RANGE ORGANIC CO		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	50 U
WT22-1 - WT22-1	11-Aug-95	100 U
WT22-1 - WT22-1	23-Feb-96	100 U
WT22-1 - WT22-1	21-Aug-96	100 U
WT22-1 - WT22-1	20-Nov-96	100 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	100 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	100 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	100 U
Chemical Name: KEROSENE-RANGE ORGA	NIC COMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	<b>50</b> U
WT22-1 - WT22-1	11-Aug-95	100 U
WT22-1 - WT22-1	23-Feb-96	100 U
WT22-1 - WT22-1	21-Aug-96	100 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	100 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	100 U
Chemical Name: METHYL TERTIARY BUTY	YL ETHER	
Location/Sample ID	Sample Date	<b>Concentration</b>
WT22-1 - WT22-1	31-Aug-99	10 U
Chemical Name: MOTOR OIL-RANGE ORG		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	500 U
WT22-1 - WT22-1	11-Aug-95	120
WT22-1 - WT22-1	23-Feb-96	300 Z
WT22-1 - WT22-1	21-Aug-96	<u>180 Y</u>
WT22-1 - WT22-1	20-Nov-96	160 ZY
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	370 Z
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	200 Y
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	160 YZ
Chemical Name: OTHER HEAVY TPH COM	PONENTS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	450 Y
Chemical Name: OTHER LIGHT TPH COMI	PONENTS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	50 U

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### **TABLE 7 (Continued)**

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 22 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: OTHER LIGHT TPH COMPONENTS	5	
Location/Sample ID	Sample Date	<b>Concentration</b>
WT22-1 - GWT22-1	6-Jul-95	50 U
Chemical Name: OTHER LIGHT TPH COMPONENTS	5	
Location/Sample ID	Sample Date	<u>Concentration</u>
Chemical Name: TOLUENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	0.5 U
WT22-1 - GWT22-1	6-Jul-95	0.5 U
WT22-1 - WT22-1	11-Aug-95	0.5 U
WT22-1 - WT22-1	23-Feb-96	0.5 U
WT22-1 - WT22-1	21-Aug-96	0.5 U
WT22-1 - WT22-1	21-Aug-96	2 U
WT22-1 - WT22-1	20-Nov-96	0.2 J
WT22-1 - WT22-1	20-Nov-96	0.32 J
WT22-1 - WT22-1	31-Aug-99	1 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	0.5 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	0.5 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	2 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	0.29 J
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	0.5 U
Chemical Name: XYLENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT22-2 - GWT22-2	6-Jul-95	0.5 U
WT22-1 - GWT22-1	6-Jul-95	0.5 U
WT22-1 - WT22-1	11-Aug-95	0.5 U
WT22-1 - WT22-1	23-Feb-96	0.5 U
WT22-1 - WT22-1	21-Aug-96	1 U
WT22-1 - WT22-1	21-Aug-96	2 U
WT22-1 - WT22-1	20-Nov-96	0.5 U
WT22-1 - WT22-1	20-Nov-96	1.5 U
WT22-1 - WT22-1	31-Aug-99	1 U
WT22-1 - WT22-99-02 (Dup)	23-Feb-96	0.5 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	1 U
WT22-1 - WT22-99-02 (Dup)	21-Aug-96	2 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	0.5 U
WT22-1 - WT22-99-03 (Dup)	20-Nov-96	1.5 U

Notes:

U - Analyzed for but not detected (reported value is detection limit)

J - The analyte was postively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

Y - Pattern does not match calibration fuel pattern, but resembles a fuel pattern.

Z - Unknown single peak or patterns were detected, but did not resemble a typical fuel pattern.

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 28 SOIL DATA (Concentrations in milligrams per kilogram)

<u>Location/Sampl</u> S-05-T28		Sample Depth ¹ 4	Sample Date 06-Jun-91	<u>Concentration</u> 0.005 U
Chemical Name: <u>Location/Samp</u> S-05-T28	DIESEL-RANGE ORGAN le ID	IC COMPOUNDS Sample Depth ¹ 4	Sample Date 06-Jun-91	<u>Concentration</u> 10 U
Chemical Name: <u>Location/Samp</u> S-05-T28	ETHYLBENZENE le ID	Sample Depth ¹ 4	Sample Date 06-Jun-91	<u>Concentration</u> 0.005 U
Chemical Name: <u>Location/Samp</u> S-05-T28	MOTOR OIL-RANGE OR le ID	GANIC COMPOU Sample Depth ¹ 4	NDS <u>Sample Date</u> 06-Jun-91	<u>Concentration</u> 16
Chemical Name: <u>Location/Samp</u> S-05-T28	TOLUENE <u>de ID</u>	Sample Depth ¹ 4	Sample Date 06-Jun-91	<u>Concentration</u> 0.005 U
Chemical Name: Location/Samp S-05-T28	XYLENE ble ID	Sample Depth ¹ 4	Sample Date 06-Jun-91	<u>Concentration</u> 0.005 U

Notes:

1 - Feet below ground surface (exact depth unknown)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 41B SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name:	BENZENE			
Location/Sample	<u>e ID</u>	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 41B (W)		4	07-Jan-93	0.005 U
Tank 41B (E)		4	07-Jan-93	0.012
Chemical Name:	ETHYLBENZENE			
Location/Sample	<u>e ID</u>	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 41B (W)		4	07-Jan-93	0.005 U
Tank 41B (E)		4	07-Jan-93	0.061
Chemical Name:	GASOLINE-RANGE	DRGANIC COMPOU	INDS	•
Location/Sample	e ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 41B (W)		4	07-Jan-93	1 U
Tank 41B (E)		4	07-Jan-93	4.6
Chemical Name:	TOLUENE	,		
Location/Sample	e ID	Sample Depth ¹	<u>Sample Date</u>	<b>Concentration</b>
Tank 41B (W)		4	07-Jan-93	0.005 U
Tank 41B (E)		4	07-Jan-93	0.085
Chemical Name:	XYLENE			
Location/Sample	<u>e ID</u>	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 41B (W)		4	07-Jan-93	0.005 U
Tank 41B (E)		4	07-Jan-93	0.041

Notes:

U - Analyzed for but not detected (reported value is detection limit)

1 - Feet below ground surface (exact depth unknown)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 54 SOIL DATA

### (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE			
Location/Sample ID	<u>Sample Depth</u>	Sample Date	<b>Concentration</b>
54N	Unknown	Dec-92	ND ¹
54S	Unknown	Dec-92	$\mathbf{ND}^{1}$
54	Unknown	Dec-92	ND ¹
Chemical Name: DIESEL-RANGE ORG	GANIC COMPOUN	DS	
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
54N	Unknown	Dec-92	1 U
548	Unknown	Dec-92	<u>1 U</u>
54	Unknown	Dec-92	1 U
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
54N	Unknown	Dec-92	ND ¹
548	Unknown	Dec-92	ND ¹
54	Unknown	Dec-92	ND ^I
Chemical Name: GASOLINE-RANGE	ORGANIC COMPO	UNDS	
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
54N	Unknown	Dec-92	1 U
54S	Unknown	Dec-92	1 U 1 U
54	Unknown	Dec-92	1 U
Chemical Name: TOLUENE			
Location/Sample ID	<u>Sample Depth</u>	Sample Date	<b>Concentration</b>
54N	Unknown	Dec-92	ND ¹
54S	Unknown	Dec-92	ND ¹
54	Unknown	Dec-92	ND ¹
Chemical Name: XYLENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
54N	Unknown	Dec-92	ND ¹
54S	Unknown	Dec-92	ND ¹
54	Unknown	Dec-92	ND ¹

Notes:

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ND¹ - Detection limits unknown

- Analyzed for but not detected (reported value is detection limit)

X - Indicates data that was manually entered.

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 55 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE			
Location - Sample ID_	Sample Depth ¹	Sample Date	Concentration
SBT55-1 - SBT55-1(7.0)	7	08-AUG-95	0.00056 U
Chemical Name: DIESEL-RANGE ORGANIC C	OMPOUNDS		
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
<u>SBT55-1 - SBT55-1(7.0)</u>	7	08-AUG-95	49.0
Chemical Name: ETHYLBENZENE			· · · · · · · · · · · · · · · · · · ·
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
SBT55-1 - SBT55-1(7.0)	7	08-AUG-95	0.00056 U
Chemical Name: GASOLINE-RANGE ORGANI	C COMPOUND	8	
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
<u>SBT55-1 - SBT55-1(7.0)</u>	7	08-AUG-95	0.56 U
Chemical Name: JP5-RANGE ORGANIC COMP	OUNDS		
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
SBT55-1 - SBT55-1(7.0)	7	08-AUG-95	28.0 U
Chemical Name: KEROSENE-RANGE ORGANI	C COMPOUND	S	•
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
<u>SBT55-1 - SBT55-1(7.0)</u>	7	08-AUG-95	28.0 U
Chemical Name: MOTOR OIL-RANGE ORGAN	IC COMPOUN	DS	
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
SBT55-1 - SBT55-1(7.0)	7	08-AUG-95	440.0
Chemical Name: TOLUENE			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
<u>SBT55-1 - SBT55-1(7.0)</u>	77	08-AUG-95	0.00056_U
Chemical Name: XYLENES (TOTAL)			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
SBT55-1 - SBT55-1(7.0)	7	08-AUG-95	0.00056 U

Notes:

U - Analyzed for but not detected (reported value is detection limit).

Dup - Duplicate sample

1 - Feet below ground surface

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 55 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: 2-METHYLNAPHTHALENE		
Location - Sample ID	Sample Date	Canac-44
WT55-1 - WT55-1		Concentration
<u>WT55-1 - WT55-1</u>	20-FEB-97	10.0 U
Chemical Name: BENZENE	<u>21-MAY-97</u>	<u> </u>
Location - Sample ID	Sample Date	Concentration
GWT55-1 - GWT55-1	06-JUL-95	0.50 U
<u>GWT55-2 - GWT55-2</u>	<u>06-J</u> UL-95	0.50 U
WT55-1 - WT55-1	11-AUG-95	0.50 U
WT55-1 - WT55-1	<u>20-</u> NOV-96	0.50 U
WT55-1 - WT55-1 WT55-1 - WT55-1	20-NOV-96	<u>50.0_U</u>
WT55-1 - WT55-1	2 <u>0-FEB-97</u>	0.50 U
<u>WT55-1 - WT55-1</u>	21-MAY-97	6.0
	27-AUG-99	<u>1.0 U</u>
Chemical Name: BENZO(A)PYRENE		
Location - Sample ID	Sample Date	Concentration
WT55-1 - WT55-1	20-FEB-97	
<u>WT55-1 - WT55-1</u>	<u>21-MAY-97</u>	10.0 U
Chemical Name: DIESEL-RANGE ORGANIC COMPOUNDS	<u>er mp 1-7/</u>	10.0J
Location - Sample ID		_
GWT55-1 - GWT55-1	Sample Date	Concentration
<u>GWT55-2 - GWT55-2</u>	06-JUL-95	50.0 U
WT55-1 - WT55-1	06-JUL-95	<u> </u>
<u>WT55-1 - WT55-1</u>	11-AUG-95	62.0 J
WT55-1 - WT55-1	<u>20-NOV-96</u>	<u>420.0 ZY</u>
Chemical Name: ETHYLBENZENE	21-MAY-97	<u>    100.0   U  </u>
Location - Sample ID		
	Sample Date	Concentration
<u>GWT55-1 - GWT55-1</u> GWT55-2 - GWT55-2	06-JUL-95	0.50 U
<u>WT55-1 -</u> WT55-1	06-JUL-95	0.50 U
WT55-1 - WT55-1	11-AUG-95	0.50 U
<u>WT55-1 - WT55-1</u>	20-NOV-96	0.50 U
WT55-1 - WT55-1	20-NOV-96	<u>50.0U</u>
<u>WT55-1 - WT55-1</u>	20-FEB-97	0.50 U
WT55-1 - WT55-1	<u>21-MAY-97</u>	0. <u>60</u>
	27-AUG-99	<u> </u>
	S	
Location - Sample ID	Sample Date	Concentration
	06-JUL-95	<u>50.0</u> U
<u>GWT55-1 - GWT55-1</u>		JU.U U
GWT55-2 - GWT55-2		
GWT55-2 - GWT55-2 WT55-1 - WT55-1	06-JUL-95	50.0 U
GWT55-2 - GWT55-2 <u>WT55-1 - WT55-1</u> WT55-1 - WT55-1		50.0 U 43.0 J
GWT55-2 - GWT55-2 WT55-1 - WT55-1	06-JUL-95 11-AUG-95	50.0 U

# TABLE 12 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 55 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: JP5-RANGE ORGANIC COMPOUNDS		
Location - Sample ID	Sample Date	Concentration
	06-JUL-95	50.0 U
<u>GWT55-1 - GWT55-1</u> GWT55-2 - GWT55-2	06-JUL-95	50.0 U
WT55-1 - WT55-1	11-AUG-95	100.0 U
WT55-1 - WT55-1	20-NOV-96	100.0 U
WT55-1 - WT55-1	<u>21-MAY-97</u>	<u>500.0 U</u>
Chemical Name: KEROSENE-RANGE ORGANIC COMPOU	NDS	
Location - Sample ID	Sample Date	Concentration
GWT55-1 - GWT55-1	06-JUL-95	50.0 U
GWT55-2 - GWT55-2	06-JUL-95	<u>50.0 U</u>
WT55-1 - WT55-1	11-AUG-95	100.0 U
Chemical Name: METHYL-TERTIARY-BUTYL ETHER		
Location - Sample ID	Sample Date	Concentration
WT55-1 - WT55-1	21-MAY-97	<u>1.0 U</u>
WT55-1 - WT55-1	27-AUG-99	10.0 U
Chemical Name: MOTOR OIL-RANGE ORGANIC COMPO	UNDS	
Location - Sample ID	Sample Date	<b>Concentration</b>
<u>GWT55-1 - GWT55-1</u>	06-JUL-95	500.0 <u>U</u>
GWT55-2 - GWT55-2	06- <b>J</b> UL-95	1,600.0
WT55-1 - WT55-1	<u>11-AUG-95</u>	<u>63.0</u> J
WT55-1 - WT55-1	20-NOV-96	220.0 ZY
<u>WT55-1 - WT55-1</u>	<u>21-MAY-97</u>	<u> </u>
Chemical Name: NAPHTHALENE		
Location - Sample ID	Sample Date	Concentration
WT55-1 - WT55-1	20-FEB-97	10.0 U
WT55-1 - WT55-1	<u>21-MAY-97</u>	<u> </u>
Chemical Name: OTHER HEAVY TPH COMPONENTS		
Location - Sample ID	Sample Date	Concentration
GWT55-1 - GWT55-1	06-JUL-95	50.0 U
<u>GWT55-2 - GWT55-2</u>	06-JUL-95	50.0 U
Chemical Name: OTHER LIGHT TPH COMPONENTS		
Location - Sample ID	Sample Date	Concentration
GWT55-1 - GWT55-1	06-JUL-95	50.0 U
<u>GWT55-2 - GWT55-2</u>	06-JUL-95	50.0 U
Chemical Name: TOLUENE		
Location - Sample ID	Sample Date	Concentration
GWT55-1 - GWT55-1	06-JUL-95	0.50 U
<u>GWT55-2 - GWT55-2</u>	06-JUL-95	0.50 U
WT55-1 - WT55-1	11-AUG-95	0.50 U

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# TABLE 12 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 55 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: TOLUENE		
Location - Sample ID	Sample Date	Concentration
WT55-1 - WT55-1	20-NOV-96	0.50 U
WT55-1 - WT55-1	20-NOV-96	50.0 U
WT55-1 - WT55-1	20-FEB-97	0.50U
WT55-1 - WT55-1		1.0 U
WT55-1 - WT55-1	27-AUG-9 <u>9</u>	<u>1.0 U</u>
Chemical Name: XYLENES (TOTAL)		
	Comple Date	Concentration
Location - Sample ID	Sample Date	Concentration
	06-JUL-95	0.50 U
GWT55-1 - GWT55-1		0.50 U 0.50 U
GWT55-1 - GWT55-1 GWT55-2 - GWT55-2	06-JUL-95	0.50 U 0.50 U 1.10
GWT55-1 - GWT55-1 GWT55-2 - GWT55-2 WT55-1 - WT55-1	06-JUL-95 06-JUL-95	0.50 U 0.50 U 1.10 0.50 U
GWT55-1 - GWT55-1 GWT55-2 - GWT55-2 WT55-1 - WT55-1 WT55-1 - WT55-1	06-JUL-95 <u>06-JUL-95</u> 11-AUG-95	0.50 U 0.50 U 1.10
GWT55-1 - GWT55-1 <u>GWT55-2 - GWT55-2</u> WT55-1 - WT55-1 <u>WT55-1 - WT55-1</u> WT55-1 - WT55-1	06-JUL-95 06-JUL-95 11-AUG-95 20-NOV-96	0.50 U 0.50 U 1.10 0.50 U
GWT55-1 - GWT55-1 <u>GWT55-2 - GWT55-2</u> WT55-1 - WT55-1 WT55-1 - WT55-1 WT55-1 - WT55-1 WT55-1 - WT55-1	06-JUL-95 06-JUL-95 11-AUG-95 20-NOV-96 20-NOV-96	0.50 U 0.50 U 1.10 0.50 U 1.50 U
GWT55-1 - GWT55-1 <u>GWT55-2 - GWT55-2</u> WT55-1 - WT55-1 <u>WT55-1 - WT55-1</u> WT55-1 - WT55-1	06-JUL-95 06-JUL-95 11-AUG-95 20-NOV-96 20-NOV-96 20-FEB-97	0.50 U 0.50 U 1.10 0.50 U 1.50 U 0.50 U

Notes:

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit).

Y - Pattern does not match calibration fuel pattern, but resembles a fuel pattern.

Z - Unknown single peaks or patterns were detected, but did not resemble a typical fuel pattern.

Dup - Duplicate sample

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE		<i></i>	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT57-1 - GPT57-1(6.0)	<u>6</u>	5-Jul-95	0.007 U
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	0.014 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.006 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.012 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.007 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.013 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	0.006 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	0.013 U
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.006 U
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.013 U
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	0.007 U
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	0.014 U
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	0.00062 U
S-6-T57N	UNKNOWN	5-Jul-91	0.005 U
S-6-T57S	UNKNOWN	5-Jul-91	0.005 U
S-10-T57	UNKNOWN	6-Sep-91	0.005 U
Chemical Name: DIESEL-RANGE ORG	GANIC COMPOUN	DS	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	1.4 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	· 1.2 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	1.3 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	1.3 U
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	1.4 U
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	12 U
S-6-T57N	UNKNOWN	5-Jul-91	100 D
S-6-T57S	UNKNOWN	5-Jul-91	100 D
S-10-T57	UNKNOWN	6-Sep-91	250 D
Chemical Name: ETHYLBENZENE			
Location/Sample ID	<u>Sample Depth</u> ¹	Sample Date	<b>Concentration</b>
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	0.007 U
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	0.014 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.006 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.012 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.007 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.013 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	0.006 U
<u>GPT57-3 - GPT57-3(5.0)</u>	5	5-Jul-95	0.013 U
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.006 U
		e	A A 1 A T 7

5-Jul-91 0.16

5-Jul-95

6-Jul-95

6-Jul-95

8-Aug-95

7.5

4.5

4.5

5.5

UNKNOWN

GPT57-3 - GPT57-3(7.5)

GPT57-4 - GPT57-4(4.5)

GPT57-4 - GPT57-4(4.5)

SBT57-1 - SBT57-1(5.5)

S-6-T57N

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0.013

0.007

0.014

0.00062

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# TABLE 13 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 SOIL DATA

# (Concentration in milligrams per kilogram)

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Chemical Name: ETHYLBENZEN	E		
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
S-6-T57S	UNKNOWN	5-Jul-91	0.005 U
S-10-T57	UNKNOWN	6-Sep-91	0.005 U
Chemical Name: GASOLINE-RAN		<b>1</b>	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	1.4 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	1.2 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	1.3 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	1.3 U
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	1.3 U
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	1.4 U
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	0.62 U
S-6-T57N	UNKNOWN	5-Jul-91	25
S-6-T57S	UNKNOWN	5-Jul-91	5 D
S-10-T57	UNKNOWN	6-Sep-91	2
	GANIC COMPOUND		
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	1.4 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	1.2 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	1.3 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	1.3 U
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	1.4 U
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	12 U
	NGE ORGANIC CON		
Location/Sample ID	<u>Sample Depth</u> ¹	Sample Date	<b>Concentration</b>
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	1.4 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	1.2 U
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	1.3 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	1.3 U
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	1.4 U
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	12 U
Chemical Name: MOTOR OIL-RA			<b>_</b>
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	14 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	<u>12 U</u>
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	13 U
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95 6-Jul-95	75
GPT57-4 - GPT57-4(4.5)	4.5		83 16
<u>SBT57-1 - SBT57-1(5.5)</u> S-6-T57N	5.5 UNKNOWN	8-Aug-95 5-Jul-91	2400
S-6-157N S-6-T57S	UNKNOWN	5-Jul-91	2400
<u>S-10-T57</u>	UNKNOWN	6-Sep-91	300
	TPH COMPONENT		
Location/Sample ID	Sample Depth ¹	<u>Sample Date</u>	<b>Concentration</b>
GPT57-1 - GPT57-1(6.0)	<u>6</u>	5-Jul-95	1.4 U
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	1.2 U

### TABLE 13 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 SOIL DATA

# (Concentrations in milligrams per kilogram)

Chemical Name: OTHER I	HEAVY TPH COMPONENT	Ś		
Location/Sample ID	Sample Depth	Sample Date	<u>Concentrati</u>	<u>on</u>
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	1.3 U	
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	1.3 U	
<u>GPT57-4 - GPT57-4(4.5)</u>	4.5	6-Jul-95	1.4 U	
	LIGHT TPH COMPONENTS			
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentrati</u>	
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	1.4 U	
<u>GPT57-1 - GPT57-1(8.5)</u> <u>GPT57-2 - GPT57-2(4.5)</u>	7.5	5-Jul-95 6-Jul-95	<u> </u>	
GP157-2 - GP157-2(4.3) GPT57-3 - GPT57-3(5.0)	4.5	5-Jul-95	1.3 U	
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	<u> </u>	
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	1.5 U 1.4 U	
Chemical Name: TOLUEN				
	<u>Sample Depth</u> ¹	Sample Data	Concentrati	an
Location/Sample ID		<u>Sample Date</u> 5-Jul-95	<u>Concentrati</u> 0.007 U	
GPT57-1 - GPT57-1(6.0) GPT57-1 - GPT57-1(6.0)	6	5-Jul-95 5-Jul-95	0.007 U	
GP157-1 - GP157-1(8.0) GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.014 U	
GPT57-1 - GPT57-1(8.5) GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.000 U	
GPT57-2 - GPT57-2(4.5)	4,5	<u> </u>	0.012 U	
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.013 U	
GPT57-3 - GPT57-3(5.0)		<u> </u>	0.013 U	
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	0.013 U	
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.006 U	
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.013 U	
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	0.007 U	
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	0.014 U	
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	0.0006 U	
S-6-T57N	UNKNOWN	5-Jul-91	0.062	
S-6-T57S	UNKNOWN	5-Jul-91	0.005 U	J
S-10-T57	UNKNOWN	6-Sep-91	0.005 U	
Chemical Name: XYLENE				
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentrati</u>	ion
GPT57-1 - GPT57-1(6.0)	<u>6</u>	5-Jul-95	0.007 U	
GPT57-1 - GPT57-1(6.0)	6	5-Jul-95	0.014 U	I
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.006 U	
GPT57-1 - GPT57-1(8.5)	7.5	5-Jul-95	0.012 U	
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.007 U	
GPT57-2 - GPT57-2(4.5)	4.5	6-Jul-95	0.013 U	
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	0.006 U	
GPT57-3 - GPT57-3(5.0)	5	5-Jul-95	0.013 U	
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.006 U	
GPT57-3 - GPT57-3(7.5)	7.5	5-Jul-95	0.013 U	
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	0.007 U	
GPT57-4 - GPT57-4(4.5)	4.5	6-Jul-95	0.014 U	
SBT57-1 - SBT57-1(5.5)	5.5	8-Aug-95	0.0006 U	

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### **TABLE 13 (Continued)**

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: XYLENE Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
S-6-T57N	UNKNOWN	5-Jul-91	I
S-6-T57S	UNKNOWN	5-Jul-91	0.05 D
<u>S-10-T57</u>	UNKNOWN	6-Sep-91	0.005 U

Notes:

- U Analyzed for but not detected (reported value is detection limit)
- D Compounds identified in an analysis at secondary dilution factor.
- 1 Feet below ground surface

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: 2-METHYLNAPHTHALENE		
Location - Sample ID	Sample Date	Concentration
WT57-1 - WT57-1	22-FEB-96	10.0 U
Chemical Name: BENZENE		
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	0.50 U
GPT57-1 - GWT57-1	05-JUL-95	2.0 U
<u>GPT57-2 - GWT57-2</u>	<u>06-JUL-95</u>	0.05 J
GPT57-2 - GWT57-2	06-JUL-95	0.50 U
<u>GPT57-3 - GWT57-3</u>	05-JUL-95	<u> </u>
GPT57-3 - GWT57-3	05-JUL-95	2.0 U
<u>GPT57-4 - GWT57-4</u>	06-JUL-95	0.50 <u>U</u>
GPT57-4 - GWT57-4	06-JUL-95	2.0 U
WT57-1 - WT57-1	22-FEB-96	0.50 U
WT57-1 - WT57-1	19-NOV-96	0.50 U
<u>WT57-1 - WT57-1</u>	<u>20-FEB-97</u>	<u>0.50 U</u>
WT57-1 - WT57-1	21-MAY-97	2.0
WT57-1 - WT57-1	<u>27-AUG-99</u>	1.0 <u>U</u>
Chemical Name: BENZO(A)PYRENE		
Location - Sample ID	Sample Date	Concentration
WT57-1 - WT57-1	22-FEB-96	10.0 U
Chemical Name: DIESEL-RANGE ORGANIC COMPOUNDS		· · · · · · · · · · · · · · · · · · ·
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	50.0 U
GPT57-2 - GWT57-2	06-JUL-95	50.0 U
GPT57-3 - GWT57-3	05-JUL-95	50.0 U
GPT57-4 - GWT57-4	06-JUL-95	50.0 U
WT57-1 - WT57-1	22-FEB-96	88.0 J
WT57-1 - WT57-1	20-FEB-97	100.0 U
WT57-1 - WT57-1	21-MAY-97	<u>100.0 U</u>
Chemical Name: ETHYLBENZENE		
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	0.50 U
GPT57-1 - GWT57-1	05-JUL-95	2.0 U
GPT57-2 - GWT57-2	06-JUL-95	0.50 U
GPT57-2 - GWT57-2	06-JUL-95	2.0_U_
GPT57-3 - GWT57-3	05-JUL-95	0.50 U
GPT57-3 - GWT57- <u>3</u>	05-JUL-95	<u>2.0 U</u>
GPT57-4 - GWT57-4	06-JUL-95	0.50 U
	06-JUL-95	<u>2.0 U</u>
<u>GPT57-4 - GWT57-4</u>		0.50 11
<u>GPT57-4 - GWT57-4</u> WT57-1 - WT57-1	22-FEB-96	0.50 U
	22-FEB-96 <u>19-NOV-96</u>	0.50 U
WT57-1 - WT57-1		

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### TABLE 14 (Continued)

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 GROUNDWATER DATA (Concentrations in micrograms per liter)

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Chemical Name: ETHYLBENZENE	· · · ·	
Location - Sample ID	Sample Date	Concentration
WT57-1 - WT57-1	27-AUG-99	1.0 U
Chemical Name: GASOLINE-RANGE ORGANIC COMPOUN	NDS	
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	<u>05-JUL-95</u>	<u>50.0 U</u>
GPT57-2 - GWT57-2	06-JUL-95	50.0 U
GPT57-3 - GWT57-3	05-JUL-95	50.0 U
GPT57-4 - GWT57-4	06-JUL-95	50.0 U
WT57-1 - <u>WT57-1</u>	<u> </u>	<u>38,0 J</u>
WT57-1 - WT57-1	19-NOV-96	50.0 U
WT57-1 - WT57-1	<u>20-FEB-97</u>	<u>50.0 U</u>
WT57-1 - WT57-1	21-MAY-97	50.0 U
Chemical Name: JP5-RANGE ORGANIC COMPOUNDS		
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	50.0 U
GPT57-2 - GWT57-2	06-JUL-95	50.0 U
GPT57-3 - GWT57-3	05-JUL-95	50.0 U
GPT57-4 - GWT57-4	06-JUL-95	50.0 U
<u>WT57-1 - WT57-1</u>	22-FEB-96	100.0 U
WT57-1 - WT57-1	20-FEB-97	100.0 U
WT57-1 - WT57-1	21 <u>-MAY-97</u>	<u>500.0 U</u>
Chemical Name: KEROSENE-RANGE ORGANIC COMPOU	NDS	
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	50.0 U
GPT57-2 - GWT57-2	06-JUL-95	50.0 U
GPT57-3 - GWT57-3	05-JUL-95	50.0 U
<u>GPT57-4 - GWT57-4</u>	<u>06-JU</u> L-95	50.0 U
WT57-1 - WT57-1	22-FEB-96	100.0 U
Chemical Name: METHYL-TERTIARY-BUTYL ETHER		
Location - Sample ID	Sample Date	Concentration
WT57-1 - WT57-1	21-MAY-97	1.0 U
WT57-1 - WT57-1	27-AUG-99	10.0 U
Chemical Name: MOTOR OIL-RANGE ORGANIC COMPO	UNDS	
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL- <u>95</u>	500.0 U
GPT57-2 - GWT57-2	06-JUL-95	500.0 U
GPT57-3 - GWT57-3	05-JUL-95	500.0 U
GPT57-4 - GWT57-4	06-JUL-95	1,900.0
WT57-1 - WT57-1	22-FEB-96	280.0 Z
WT57-1 - WT57-1	20-FEB-97	73.0 J
WT57-1 - WT57-1	21 <u>-MAY-97</u>	500.0 U

# **TABLE 14 (Continued)**

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: NAPHTHALENE		
Location - Sample ID	Sample Date	Concentration
WT57-1 - WT57-1	22-FEB-96	10.0 U
Chemical Name: OTHER HEAVY TPH COMPONENTS		,
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	50.0 U
GPT57-2 - GWT57-2	06-JUL-95	50.0 U
GPT57-3 - GWT57-3	05-JUL-95	50.0 U
GPT57-4 - GWT57-4	06-JUL-95	350.0 Y
Chemical Name: OTHER LIGHT TPH COMPONENTS		
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT <u>57-1</u>	05-JUL-95	50.0 U
GPT57-2 - GWT57-2	06-JUL-95	50.0 U
GPT57-3 - GWT57-3	05-JUL-95	50.0 U
GPT57-4 - GWT57-4	06-JUL-95	50.0 U
Chemical Name: TOLUENE		
Location - Sample ID	Sample Date	Concentration
GPT57-1 - GWT57-1	05-JUL-95	0.50 U
GPT57-1 - GWT57-1	05-JUL-95	2.0 U
GPT57-2 - GWT57-2	06-JUL-95	0.50 U
GPT57-2 - GWT57-2	06-JUL-95	2.0 U
GPT57-3 - GWT57-3	05-JUL- <u>95</u>	0.50 U
GPT57-3 - GWT57-3	05-JUL-95	2.0 U
GPT57-4 - GWT57-4	06-JUL- <u>95</u>	0.50 U
GPT57-4 - GWT57-4	06-JUL-95	2.0 U
WT57-1 - WT57-1	<u>22-FEB-96</u>	0.50 U
WT57-1 - WT57-1	22-FEB-96	0.92
WT57-1 - WT57-1	<u> </u>	0.20 J
WT57-1 - WT57-1	20-FEB-97	0.50 U
WT57-1 _ WT57-1	21-MAY-97	<u>1.0 U</u>
WT57-1 - WT57-1	27-AUG-99	1.0 U
Chemical Name: XYLENES (TOTAL)		
Location - Sample ID	Sample Date	Concentration
<u>GPT57-1 - GWT57-1</u>	05-JUL-95	<u> </u>
GPT57-1 - GWT57-1	05-JUL-95	2.0 U
<u>GPT57-2 - GWT57-2</u>	06-JUL-95	0.50 U
GPT57-2 - GWT57-2	06-JUL-95	2.0 U
<u>GPT57-3 - GWT57-3</u>	05-JUL-95	<u>0.50</u> U
GPT57-3 - GWT57-3	05-JUL-95	2.0 U
<u>GPT57-4 - GWT57-4</u>	06-JUL-95	0.50 U
GPT57-4 - GWT57-4	06-JUL-95	2.0 U
WT57-1 - WT57-1	22-FEB-96	<u> </u>
WT57-1 - WT57-1	19-NOV-96	0.50 U
WT57-1 - WT57-1	<u>20-FEB-97</u>	<u> </u>

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 57 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: XYLENES (TOTAL)		
Location - Sample ID	Sample Date	Concentration
	20-FEB-97	1.50 U
WT57-1 - WT57-1	21-MAY-97	<u> </u>
WT57-1 - WT57-1		1,0 U

Notes:

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit).

Y - Pattern does not match calibration fuel pattern, but resembles a fuel pattern.

Z - Unknown single peaks or patterns were detected, but did not resemble a typical fuel pattern.

Dup - Duplicate sample

#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 59 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	0.006 U
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	0.012 U
GP59-1 - GP59-1(9.0-11.0)	9	31-JAN-94	0.006 U
<u>GP59-1 - GP59-1(9.0-11.0)</u>	9	31-JAN-94	0.012 U
GP59-2 - GP59-2(5.0-7.0)	5	31-JAN-94	0.006 U
GP59-2 - GP59-2(5.0-7.0)	5	31- <u>JAN-94</u>	<u>0.012 U</u>
GP59-2 - GP59-2(9.0-11.0)	9	31-JAN-94	0.006 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	31-JAN-94	0.012 U
Chemical Name: DIESEL-RANGE OF	GANIC COMPOUNDS		
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	1.20 U
<u>GP59-1 - GP59-1(9.0-11.0)</u>	9	31- <u>JAN-94</u>	<u>1.20 U</u>
GP59-2 - GP59-2(5.0-7.0)	5	31-JAN-94	1.20 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	31-JAN-94	<u>1.20 U</u>
Chemical Name: ETHYLBENZENE			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31 <b>-</b> JAN-94	0.006 U
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	<u>0.012</u> U
GP59-1 - GP59-1(9.0-11.0)	9	31-JAN-94	0.006 U
GP59-1 - GP59-1(9.0-11.0)	9	<u>31-JAN-94</u>	0.012 U
GP59-2 - GP59-2(5.0-7.0)	5	31-JAN-94	0.006 U
GP59-2 - GP59-2(5.0-7.0)	5	<u>31-JAN-94</u>	<u>0.012 U</u>
GP59-2 - GP59-2(9.0-11.0)	9	31 <b>-</b> JAN-94	0.006 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>		<u>31-JAN-94</u>	0.012 U
	ORGANIC COMPOUND		
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	1.20 U
<u>GP59-1 - GP59-1(9.0-11.0)</u>	9	31-JAN-94	<u> 1.20 U</u>
GP59-2 - GP59-2(5.0-7.0)	5	31 <b>-</b> JAN-94	1.20 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	<u>31-JAN-94</u>	<u>1.20</u> U
Chemical Name: JP5-RANGE ORGA			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	1.20 U
<u>GP59-1 - GP59-1(9.0-11.0)</u>	9	<u>31-JAN-94</u>	1.20 U
GP59-2 - GP59-2(5.0-7.0)	5	31 <b>-JAN-94</b>	1.20 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	<u>31-JAN-94</u>	<u>1.20 U</u>
Chemical Name: KEROSENE-RANG	E ORGANIC COMPOUND	S	
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	1.20 U
$(11)^{-1} - (11)^{-1}(0)^{-1}(0)$			
GP59-1 - GP59-1(9.0-11.0)	9	<u>31-JAN-94</u>	1.20 U

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 59 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: KEROSENE-RANGE ORGANIC COMPOUNDS			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-2 - GP59-2(9.0-11.0)	9	31-JAN-94	1.20 U
Chemical Name: MOTOR OIL-RANGE C	DRGANIC COMPOUNI	DS	
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	12.0 U
GP59-1 - GP59-1(9.0-11.0)		<u>31-JAN-94</u>	<u>12.0 U</u>
GP59-2 - GP59-2(5.0-7.0)	5	31-JAN-94	12.0 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	31-JAN-94	12.0 U
Chemical Name: OTHER HEAVY TPH C	OMPONENTS		
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	1.20 U
GP59-1 - GP59-1(9.0-11.0)	9	31 <u>-JAN-94</u>	<u>1.20 U</u>
GP59-2 - GP59-2(5.0-7.0)	5	31-JAN-94	2.30 J-S
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	<u>31-JAN-94</u>	<u> </u>
Chemical Name: OTHER LIGHT TPH C	OMPONENTS		
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	1.20 U
GP59-1 - GP59-1(9.0-11.0)		31-JAN-94	1.20 U
GP59-2 - GP59-2(5.0-7.0)	5	31-JAN-94	1.20 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	31-JAN-94	<u>1.20 U</u>
Chemical Name: TOLUENE			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	0.006 U
GP59-1 - GP59-1(5.0-7.0)	5	31- <u>JAN-94</u>	0.012 U
GP59-1 - GP59-1(9.0-11.0)	9	31-JAN-94	0.006 U
<u>GP59-1 - GP59-1(9.0-11.0)</u>	9	<u>31-JAN-94</u>	0.012 U ⁻
GP59-2 - GP59-2(5.0-7.0)	5	31 <b>-</b> JAN-94	0.006 U
<u>GP59-2 - GP59-2(5.0-7.0)</u>	5	31-JAN-94	0.012 <u>U</u>
GP59-2 - GP59-2(9.0-11.0)	9	31-JAN-94	0.006 U
<u>GP59-2 - GP59-2(9.0-11.0)</u>	9	<u>31-JAN-94</u>	<u>0.012 U</u>
Chemical Name: XYLENES (TOTAL)			
Location - Sample ID	Sample Depth ¹	Sample Date	Concentration
GP59-1 - GP59-1(5.0-7.0)	5	31-JAN-94	0.006 U
GP59-1 - GP59-1(5.0-7.0)	55	<u>3</u> 1-JAN-94	0.012 U
GP59-1 - GP59-1(9.0-11.0)	9	31-JAN-94	0.006 U
GP59-1 - GP59-1(9.0-11.0)	9	31-JAN-94	0.012 U
	-	31-JAN-94	0.006 U
GP59-2 - GP59-2(5.0-7.0)	5		
<u>GP59-2 - GP59-2(5.0-7.0)</u>	5	31-JAN-94	0.012 U

#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 59 SOIL DATA (Concentrations in milligrams per kilogram)

Notes:

J	-	The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
S	-	Value is estimated because the surrogate recovery was out of quality control limits.
U	-	Analyzed for but not detected (reported value is detection limit).
Dup	-	Duplicate sample
1	-	Feet below ground surface

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 62 AND 62A SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE			
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<u>Concentration</u>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: DIESEL-RANGE ORGA	NIC COMPOUNI	DS	
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: GASOLINE-RANGE OR	GANIC COMPO	UNDS	
Location/Sample_ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: JP5-RANGE ORGANIC	COMPOUNDS		
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: XYLENE			
Location/Sample ID	<u>Sample Depth</u>	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹

Notes:

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ND¹ - Detection limits unknown

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 62 AND 62A GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: BENZENE			· · · ·
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹ X
B45-5	Unknown	Unknown	ND ¹ X
Chemical Name: DIESEL-RANGE ORGA	NIC COMPOUNE	S	
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹ X
B45-5	Unknown	Unknown	ND ¹ X
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: GASOLINE-RANGE OR	GANIC COMPO	UNDS	
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ¹
Chemical Name: JP5-RANGE ORGANIC	COMPOUNDS		
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	ND ¹
B45-5	Unknown	Unknown	ND ^I
Chemical Name: XYLENE			
Location/Sample ID	Sample Depth	Sample Date	<b>Concentration</b>
B45-4	Unknown	Unknown	$\mathbf{ND}^{1}$
B45-5	Unknown	Unknown	ND ¹

Notes:

ND¹ - Detection limits unknown

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 63 SOIL DATA (Concentrations in milligrams per kilogram)

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Che	emical Name:	BENZENE			
$\mathbf{\overline{L}}$	ocation - Sampl	e ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
G		0-5.0)	3	31-JAN-94	0.006 U
	P63-1 - GP63- <u>1(3</u>	-	3	31-JAN-94	0.012 U
	P63-1 - GP63-1(5.		5	31-JAN-94	0.012 U
	P63-2 - GP63-2(3.	•	3	31-JAN-94	0.006 U
	P63-2 - GP63-2(3		3	31-JAN-94	0.012 U
	P63-2 - GP63-2(5.		5	31-JAN-94	0.006 U
	P63-2 - GP63-2(5		5	31-JAN-94	0.012 U
Che	mical Name:	DIESEL-RANGE ORGA	ANIC COMPOUNDS		
$\mathbf{L}$	ocation - Sampl	e ID	Sample Depth ¹	Sample Date	Concentration
G		0-5.0)	3	31-JAN-94	1.20 U
	P63-1 - GP63-1(5.		5	31-JAN-94	1.20 U
	P63-2 - GP63-2(3.		3	31-JAN-94	1.20 U
	P63-2 - GP63-2(5.		5	31-JAN-94	1.20 U
	mical Name:	ETHYLBENZENE			
L	ocation - Sampl	e ID	Sample Depth ¹	Sample Date	Concentration
	P63-1 - GP63-1(3.		3	31-JAN-94	0.006 U
	P63-1 - GP63-1(3		3	31-JAN-94	0.012 U
	P63-1 - GP63-1(5.		5	31-JAN-94	0.012 U
	P63-2 - GP63-2(3		3	31-JAN-94	0.006 U
	P63-2 - GP63-2(3.		3	31-JAN-94	0.012 U
	P63-2 - GP63-2(5		5	31-JAN-94	0.006 U
	P63-2 - GP63-2(5		5	31-JAN-94	0.012 U
Che	mical Name:	GASOLINE-RANGE O	RGANIC COMPOUNDS	5	
L	ocation - Sampl	e ID	Sample Depth ¹	Sample Date	Concentration
G	P63-1 - GP63-1(3	.0-5.0)	3	31-JAN-94	1.20 U
	6P63-1 - GP63-1(5	•	5	31-JAN-94	2.50 U
	P63-2 - GP63-2(3		3	31-JAN-94	1.20 U
	P63-2 - GP63-2(5	-	5	31-JAN-94	1.20 U
Che	emical Name:	JP5-RANGE ORGANIC	COMPOUNDS		
L	ocation - Sampl	e ID	Sample Depth ¹	Sample Date	Concentration
G	3P63-1 - GP63-1(3	.0-5.0)	3	31-JAN-94	1.20 U
	GP63-1 - GP63-1(5	•	5	31-JAN-94	61.0
_	P63-2 - GP63-2(3		3	31-JAN-94	1.20 U
	GP63-2 - GP63-2(5		5	31-JAN-94	1.20 U
	emical Name:	KEROSENE-RANGE O			
		e ID	Sample Depth ¹	Sample Date	Concentration
L	ocation - Sampl				
_			3	31-JAN-94	1 20 U
G		.0-5.0)	3	31-JAN-94 31-JAN-94	1.20 U 1.20 U
G G		.0-5.0) .0-7.0)	3 5 3	31-JAN-94 <u>31-JAN-94</u> 31-JAN-94	1.20 U 1.20 U 1.20 U

#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 63 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: MOTOR OIL-RAN	GE ORGANIC COMPOUNDS	
Location - Sample ID	Sample Depth ¹ Sample Date	Concentration
GP63-1 - GP63-1(3.0-5.0)	3 31-JAN-94	12.0 U
GP63-1 - GP63-1(5.0-7.0)	5 31-JAN-94	12.0 U
GP63-2 - GP63-2(3.0-5.0)	3 31-JAN-94	12.0 U
<u>GP63-2 - GP63-2(5.0-7.0)</u>	<u>5 31-JAN-94</u>	<u> </u>
Chemical Name: OTHER HEAVY TI	<b>PH COMPONENTS</b>	
Location - Sample ID	Sample Depth ¹ Sample Date	Concentration
GP63-1 - GP63-1(3.0-5.0)	3 31-JAN-94	1.20 U
GP63-1 - GP63-1(5.0-7.0)	<u> </u>	<u>1.20</u> U
GP63-2 - GP63-2(3.0-5.0)	3 31-JAN-94	1.20 U
<u>GP63-2 - GP63-2(5.0-7.0)</u>	531-JAN-94	17.0
Chemical Name: OTHER LIGHT TP	H COMPONENTS	
Location - Sample ID	Sample Depth ¹ Sample Date	Concentration
GP63-1 - GP63-1(3.0-5.0)	3 31-JAN-94	1.20 U
<u>GP63-1 - GP63-1(5.0-7.0)</u>	5 <u>31-JAN-94</u>	72.0
GP63-2 - GP63-2(3.0-5.0)	3 31-JAN-94	1.20 U
<u>GP63-2 - GP63-2(5.0-7.0)</u>	<u>531-JAN-94</u>	<u>1.20</u> U
Chemical Name: TOLUENE		
Location - Sample ID	Sample Depth ¹ Sample Date	Concentration
GP63-1 - GP63-1(3.0-5.0)	3 31-JAN-94	0.006 U
<u>GP63-1 - GP63-1(3.0-5.0)</u>	<u>3 31-JAN-94</u>	0.012 U
GP63-1 - GP63-1(5.0-7.0)	5 31-JAN-94	0.012 U
<u>GP63-2 - GP63-2(3.0-5.0)</u>	<u> </u>	0.006 U
GP63-2 - GP63-2(3.0-5.0)	3 31-JAN-94	0.012 U
<u>GP63-2 - GP63-2(5,0-7.0)</u>	531-JAN-94	0.006 U
GP63-2 - GP63-2(5.0-7.0)	5 31-JAN-94	0.012 U
Chemical Name: XYLENES (TOTAL	<i>.</i> )	
Location - Sample ID	Sample Depth ¹ Sample Date	Concentration
<u>GP63-1 - GP63-1(3.0-5.0)</u>	<u>3 31-JAN-94</u>	0.006 U
GP63-1 - GP63-1(3.0-5.0)	3 31-JAN-94	0.012 U
GP63-1 - GP63-1(5.0-7.0)	5 <u>31-JAN-94</u>	<u> </u>
GP63-2 - GP63-2(3.0-5.0)	3 31-JAN-94	0.006 U
<u>GP63-2 - GP63-2(3.0-5.0)</u>	<u>3 31-JAN-94</u>	0.012 U
GP63-2 - GP63-2(5.0-7.0)	5 31-JAN-94	0.006 U
GP63-2 - GP63-2(5.0-7.0)	5 31-JAN-94	0.012 U

Notes:

U - Analyzed for but not detected (reported value is detection limit).

Dup - Duplicate sample

1 - Feet below ground surface

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 63 GROUNDWATER DATA (Concentrations in micrograms per liter)

	<u> </u>			
Chemical Name: BENZENE				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	0.50 U		
<u>HP63-1 - HP63-1</u>	27-JAN-94	<u> </u>		
Chemical Name: DIESEL-RANGE ORGANIC COMPOUNDS				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	52.0 U		
Chemical Name: ETHYLBENZENE				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	<u>27-JAN-94</u>	0.50 U		
HP63-1 - HP63-1	27-JAN-94	2.0 U		
Chemical Name: GASOLINE-RANGE ORGANIC COMPOUN				
Location - Sample ID	Sample Date	<b>Concentration</b>		
<u>HP63-1 - HP63-1</u>	27-JAN-94	50.0 U		
Chemical Name: JP5-RANGE ORGANIC COMPOUNDS				
Location - Sample ID	Sample Date	<b>Concentration</b>		
HP63-1 - HP63-1	27-JAN-94	52.0 U		
Chemical Name: KEROSENE-RANGE ORGANIC COMPOUNDS				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	52.0 UJ-K		
Chemical Name: MOTOR OIL-RANGE ORGANIC COMPOU	INDS			
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	520.0 U		
Chemical Name: OTHER HEAVY TPH COMPONENTS				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	52.0 U		
Chemical Name: OTHER LIGHT TPH COMPONENTS				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	50.0 U		
Chemical Name: TOLUENE				
Location - Sample ID	Sample Date	Concentration		
HP63-1 - HP63-1	27-JAN-94	0.50 U		
HP63-1 - HP63-1	27-JAN-94	2.0 U		

#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 63 GROUNDWATER DATA (Concentrations in micrograms per liter)

Sample Date	Concentration
27-JAN-94	0.50 U
27-JAN-94	2.0 U
	27-JAN-94

Notes:

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

K • Value is estimated because calibration or Gas Chromatograph/Mass Spectrometer tuning criteria were out of quality control limits.

U - Analyzed for but not detected (reported value is detection limit).

Dup - Duplicate sample

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 64 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: BENZENE		
	Sample Date	<b>Concentration</b>
<u>Location/Sample ID</u> WNB-9 - WNB-9	16-Mar-92	5 U
WNB-9 - WNB-9 WNB-9 - WNB-9	14-Apr-92	10 U
WNB-9 - WNB-9 WNB-9 - WNB-9	22-Sep-92	0.5 U
	22-Sep-92	2 U
WNB-9 - WNB-9		0.5 U
WNB-9 - WNB-9	30-Nov-92	2 U
WNB-9 - WNB-9	11-Jun-93	0.1 J
WNB-9 - WNB-9	11-Jun-93	0.5 U
WNB-9 - WNB-9	15-Mar-95	2 U
WNB-9 - WNB-9	25-Aug-99	1 U
WNB-9 - WNB-9 Chemical Name: DIESEL-RANGE ORGANIC COMPOU		
	Sample Date	<b>Concentration</b>
Location/Sample ID	22-Sep-92	50 U
WNB-9 - WNB-9	30-Nov-92	50 U
WNB-9 - WNB-9	<u> </u>	<u>50 U</u>
WNB-9 - WNB-9	11-Jun-95	
Chemical Name: ETHYLBENZENE	Sample Date	Concentration
Location/Sample ID	16-Mar-92	5 U
WNB-9 - WNB-9	14-Apr-92	10 U
WNB-9 - WNB-9	22-Sep-92	0.5 U
WNB-9 - WNB-9	22-Sep-92	2 U
WNB-9 - WNB-9		<u></u>
WNB-9 - WNB-9	30-Nov-92	2 U
WNB-9 - WNB-9	<u></u>	0.5 U
WNB-9 - WNB-9	11-Jun-93	2 U
WNB-9 - WNB-9	11-Jun-95 15-Mar-95	<u>2_U</u>
WNB-9 - WNB-9	25-Aug-99	1 U
WNB-9 - WNB-9		
Chemical Name: GASOLINE-RANGE ORGANIC COM	POUNDS <u>Sample Date</u>	<b>Concentration</b>
Location/Sample ID	22-Sep-92	<u>50 U</u>
WNB-9 - WNB-9	30-Nov-92	50 U
WNB-9 - WNB-9	<u> </u>	<u>50 U</u>
WNB-9 - WNB-9		
Chemical Name: JP5-RANGE ORGANIC COMPOUND	Sample Date	<b>Concentration</b>
Location/Sample ID	22-Sep-92	50 U
WNB-9 - WNB-9	30-Nov-92	50 U
WNB-9 - WNB-9	<u> </u>	<u>50_U</u>
WNB-9 - WNB-9		
Chemical Name: KEROSENE-RANGE ORGANIC COM	<u>Sample Date</u>	<u>Concentration</u>
Location/Sample ID	22-Sep-92	50 U
WNB-9 - WNB-9	22-36p-92 30-Nov-92	50 U
WNB-9 - WNB-9	<u></u>	<u>50_U</u>
WNB-9 - WNB-9	11-Juir-75	

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 64 GROUNDWATER DATA

#### (Concentrations in micrograms per liter)

Chemical Name: METHYL TERTIARY BUTYL ETHER		
Location/Sample ID	Sample Date	<b>Concentration</b>
WNB-9 - WNB-9	25-Aug-99	10 U
Chemical Name: MOTOR OIL-RANGE ORGANIC COM	IPOUNDS	
Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
WNB-9 - WNB-9	22-Sep-92	500 U
WNB-9 - WNB-9	30-Nov-92	500 U
WNB-9 - WNB-9	11-Jun-93	500 U
Chemical Name: OTHER HEAVY TPH COMPONENTS		
Location/Sample ID	Sample Date	<b>Concentration</b>
WNB-9 - WNB-9	22-Sep-92	100 J-N
WNB-9 - WNB-9	30-Nov-92	190 J-N
WNB-9 - WNB-9	11 <b>-J</b> un-93	67
Chemical Name: OTHER LIGHT TPH COMPONENTS		
Location/Sample ID	Sample Date	<b>Concentration</b>
WNB-9 - WNB-9	22-Sep-92	0.5 U
WNB-9 - WNB-9	30-Nov-92	6 UJ-B
WNB-9 - WNB-9	11-Jun-93	0.5 U
Chemical Name: TOLUENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
WNB-9 - WNB-9	16-Mar-92	5 U
WNB-9 - WNB-9	14-Apr-92	10 U
WNB-9 - WNB-9	22-Sep-92	0.5 U
WNB-9 - WNB-9	22-Sep-92	2_ U
WNB-9 - WNB-9	30-Nov-92	0.5 U
WNB-9 - WNB-9	30-Nov-92	2 U
WNB-9 - WNB-9	11 <b>-J</b> un-93	0.5 U
WNB-9 - WNB-9	11-Jun-93	2 U
WNB-9 - WNB-9	15-Mar-95	2 Ū
WNB-9 - WNB-9	25-Aug-99	1 U
Chemical Name: XYLENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
WNB-9 - WNB-9	16-Mar-92	5 U
WNB-9 - WNB-9	14-Apr-92	10 U
WNB-9 - WNB-9	22-Sep-92	0.5 U
WNB-9 - WNB-9	22-Sep-92	2 U
WNB-9 - WNB-9	30-Nov-92	0.5 U
WNB-9 - WNB-9	30-Nov-92	2 U
WNB-9 - WNB-9	11-Jun-93	0.5 U
WNB-9 - WNB-9	11 <b>-Jun-93</b>	2_U
WNB-9 - WNB-9	15-Mar-95	2 U
WNB-9 - WNB-9	25-Aug-99	1 U

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 64 GROUNDWATER DATA (Concentrations in micrograms per liter)

#### Notes:

J

B - Organic analyte found in the associated blank as well as the sample.

- The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

N - Spiked sample recovery not within control limits.

U - Analyzed for but not detected (report value is detection limit).

#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA (Concentrations in milligrams per kilogram)

	in miligrams pe	r Knogram)	· ·	
Chemical Name: 2-METHYLNAPHTHAI				
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentrati</u>	
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.4	U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.42	U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.42	U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	0.42	U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	0.43	U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.43	U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.42	U
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.4	U
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.41	Ü
SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.41	U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,4	25.5	6-Sep-90	0.4	U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.41	U
SU-66 - SU-66-S-1-R-1,7(N)	1	7-Jun-90	0.33	U
SU-66 - SU-66-S-1.5-R-1,7(W)	1.5	7-Jun- <u>90</u>	0.39	U
SU-66 - SU-66-S-3.5-R-1,7(B)	3.5	7-Jun-90	0.36	U
<u>T67-P - TP1-67-S-7-R-1,7</u>	7	7-Jun-90	0.4	U
T67-P - TP2-67-S-7-R-1,7	7	7-Jun-90	0.4	U
TN-67 - (E) TN-67-S-8-R-1,6,7	8	18-May-90	0.726	<u>U</u>
TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	0.759	U
TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	0.726	U
TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	0.838	U
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.41	U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.41	U
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.37	U
W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	0.39	U
W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.41	U
Chemical Name: BENZENE				
Location/Sample ID	Sample Depth ¹	Sample Date	Concentrat	ion
B13 - B13, 12-12.5	12	7-Mar-87	0.001	U
B13 - B13, 17-17.5	17	7-Mar-87	0.001	U
B13 - B13, 19.5-20	19.5	7-Mar-87	0.001	Ū
B13 - B13, 7-7.5	7	7-Mar-87	0.001	U
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.006	U
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.012	U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.006	U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.013	Ū
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.006	U
	-		0.010	- •

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EX68-2 - EX68-99-6(9.0) (Dup)

EX68-3 - EX68-3(7.0)

EX68-3 - EX68-3(7.0)

EX91-1 - EX91-1(5.5)

EX91-1 - EX91-1(5.5) EX91-2 - EX91-2(5.5) 14-Ju1-94

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

#### (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.013 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.006 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.013 U
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,	12.5	6-Sep-90	0.003 J
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,	17.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,	25.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.005 U
SU-66 - SU-66-S-1-R-1,7(N)	1	7-Jun-90	0.005 U
SU-66 - SU-66-S-1.5-R-1,7(W)	1.5	7-Jun-90	0.005 U
SU-66 - SU-66-S-3.5-R-1,7(B)	3.5	7-Jun-90	0.005 U
T67-P - TP1-67-S-7-R-1,7	7	7-Jun-90	0.005 U
T67-P - TP2-67-S-7-R-1,7	7	7-Jun-90	0.005 U
TN-67 - (E) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
W67-1 - WT-67-1(A)-S-2.5-R-1,3,4	2.5	30-Aug-90	0.005 U
W67-1 - WT-67-1(A)-S-5.0-R-1,3,4	5	30-Aug-90	0.005 U
W67-1 - WT-67-1(A)-S-7.5-R-1,3,4	7.5	30-Aug-90	0.005 U
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,	12.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,	17.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	0.005 UJ
W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.005 U
Chemical Name: BENZO(A)PYRENE	,		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.4 U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.42 U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.42 U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	0.42 U
EX91-1 - EX91-1(5.5)	5.5		0.43 U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.43 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.42 U
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,	12.5	6-Sep-90	0.4 U
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,	17.5	6-Sep-90	0.41 U
<u>SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4</u>	2.5	6-Sep-90	0.41 U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,	25.5	6-Sep-90	0.4 U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.41 U
SU-66 - SU-66-S-1-R-1,7(N)	1	7-Jun-90	0.33 U
SU-66 - SU-66-S-1.5-R-1,7(W)	1.5	7-Jun-90	0.39 U
SU-66 - SU-66-S-3.5-R-1,7(B)	3.5	7-Jun-90	0.36 U
T67-P - TP1-67-S-7-R-1,7	7	7-Jun-90	0.4 U

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

#### (Concentrations in milligrams per kilogram)

Chemical Name: BENZO(A)PYRENE			<u>_</u>
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
T67-P - TP2-67-S-7-R-1,7	7	7-Jun-90	0.4 U
TN-67 - (E) TN-67-S-8-R-1,6,7	8	18-May-90	0.726 U
TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	0.759 U
TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	0.726 U
TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	0.838 U
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.41 U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.41 U
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.37 U
W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	0.39 U
W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.41 U
Chemical Name: DIESEL-RANGE ORGAN	IC COMPOUNDS		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
EX68-1 - EX68-1(9.0)	9	14-Jul-94	1.2 U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	1.3 U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	1.3 U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	1.3 U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	1.3 U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	1.3 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	1.3 U
EX91-4 - EX91-4(5.5)	5.5	14-Jul-94	0.006 U
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	100 U
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	100 U
SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	100 U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,4	25.5	6-Sep-90	0.1 U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	100 U
SU-66 - SU-66-S-1-R-3,4(N)	1	7-Jun-90	<u>1 U</u>
SU-66 - SU-66-S-1.5-R-3,4(W)	1.5	7-Jun-90	1 U
SU-66 - SU-66-S-3.5-R-3,4(B)	3.5	7-Jun-90	5.4
T67-P - TP1-67-S-7-R-3,4,6	7	7-Jun-90	150
<u>T67-P - TP2-67-S-7-R-3,4,6</u>	7	7-Jun-90	<u>1 U</u>
TN-67 - (E)TN-67-S-8-R-3,4	8	18-May-90	1 U
TN-67 - (N)TN-67-S-8-R-3,4	. 8	18-May-90	1 U
TN-67 - (NNW)TN-67-S-8-R-3,4	8	18-May-90	1 U
TN-67 - (S)TN-67-S-8-R-3,4	8	18- <u>May-90</u>	<u>1</u> U
W67-1 - WT-67-1(A)-S-2.5-R-1,3,4	2.5	30-Aug-90	100 U
W67-1 - WT-67-1(A)-S-5.0-R-1,3,4	5	30-Aug-90	100 U
W67-1 - WT-67-1(A)-S-7.5-R-1,3,4	7.5	30-Aug-90	100 U
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	100 U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	100 U
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	100 U
W68-1 - WT68-1(A)-S-25-R-1,2,3,4 W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	25 7.5	6-Sep-90 6-Sep-90	100 U 100 U
WU0-1 - W100-1(A)-5-7.J-K-1,2,5,4	1.5	0-3cp-90	100 0

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

# (Concentration in milligrams per kilogram)

Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
B13 - B13, 12-12.5	12	7-Mar-87	0.001 U
B13 - B13, 17-17.5	17	7-Mar-87	0.001 U
B13 - B13, 19.5-20	19.5	7-Mar-87	0.001 U
B13 - B13, 7-7.5	7	7-Mar-87	0.001 U
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.006 U
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.012 U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.006 U
EX68-2 - EX68-2(9.0)	9	14- <b>Jul-94</b>	0.013 U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.006 U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.013 U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	0.006 U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	0.013 U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	0.006 U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	0.013 U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.006 U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.013 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.006 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.013 U
EX91-4 - EX91-4(5.5)	5,5	14-Jul-94	0.006
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,4	25.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.005 U
SU-66 - SU-66-S-1-R-1,7(N)	1	7-Jun-90	0.005 U
SU-66 - SU-66-S-1.5-R-1,7(W)	1.5	7-Jun-90	0.005 U
SU-66 - SU-66-S-3.5-R-1,7(B)	3.5	7-Jun-90	0.005 U
T67-P - TP1-67-S-7-R-1,7	7	7-Jun-90	0.005 U
T67-P - TP2-67-S-7-R-1,7	7	7 <b>-Jun-9</b> 0	0.005 U
TN-67 - (E) TN-67-S-8-R-1,6,7	88	18-May-90	0.005 U
TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
W67-1 - WT-67-1(A)-S-2.5-R-1,3,4	2.5	<u> </u>	0.005 U
W67-1 - WT-67-1(A)-S-5.0-R-1,3,4	5	30-Aug-90	0.005 U
W67-1 - WT-67-1(A)-S-7.5-R-1,3,4	7.5	30-Aug-90	0.005 U
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.005 U

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

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(Concentrations in micrograms per liter)

Chemical Name: GASOLINE-RANGE	ORGANIC COM	POUNDS		
Location/Sample ID	<u>Sample Depth</u> ¹	Sample Date	<b>Concentrat</b>	<u>ion</u>
B13 - B13, 12-12.5	12	7-Mar-87	0.1	U
B13 - B13, 17-17.5	17	7-Mar-87	0.5	U
B13 - B13, 19.5-20	19.5	7-Mar-87	0.5	U
B13 - B13, 7-7.5	7	7-Mar-87	0.1	U
EX68-1 - EX68-1(9.0)	9	14-Jul-94	1.2	U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	1.3	U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	1.3	U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	1.3	U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	1.3	U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	1.3	U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	1.3	U
EX91-4 - EX91-4(5.5)	5.5	14-Jul-94	1.2	U
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.5	U
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.5	U
SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.5	U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,4	25.5	6-Sep-90	0.0005	U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.5	U
SU-66 - SU-66-S-1-R-3,4(N)	1	7-Jun-90	` 1.3	
SU-66 - SU-66-S-1.5-R-3,4(W)	1.5	7-Jun-90	1	Ū
SU-66 - SU-66-S-3.5-R-3,4(B)	3.5	7-Jun-90	1	U
T67-P - TP1-67-S-7-R-3,4,6	7	7-Jun-90	1	U
Т67-Р - ТР2-67-S-7-R-3,4,6	7	7-Jun-90	1	U
TN-67 - (E)TN-67-S-8-R-3,4	8	18-May-90	1	U
TN-67 - (N)TN-67-S-8-R-3,4	8	18-May-90	1	U
TN-67 - (NNW)TN-67-S-8-R-3,4	8	18-May-90	1	U
TN-67 - (S)TN-67-S-8-R-3,4	8	18-May-90	1	U
W67-1 - WT-67-1(A)-S-2.5-R-1,3,4	2.5	30-Aug-90	0.5	UJ
W67-1 - WT-67-1(A)-S-5.0-R-1,3,4	5	30-Aug-90	0.5	UJ
W67-1 - WT-67-1(A)-S-7.5-R-1,3,4	7.5	30-Aug-90	0.5	UJ
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.5	U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.5	Ú
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.5	U
W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	0.5	U
W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.5	U
Chemical Name: JP5-RANGE ORGA				
Location/Sample ID	Sample Depth ¹	Sample Date	Concentrat	tion
EX68-1 - EX68-1(9.0)	9	14-Jul-94	1.2	U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	1.3	U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	1.3	U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	1.3	U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	1.3	U
EX91-2 - EX91-2(5.5)	5.5	1 <u>4-Jul-94</u>	1.3	U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	1.3	U

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

#### (Concentrations in milligrams per kilogram)

Chemical	Name: KEROSENE-RAN	GE ORGANIC CO	OMPOUNDS	
	Location/Sample ID	<u>Sample Depth</u> ¹	Sample Date	<b>Concentration</b>
	EX68-1 - EX68-1(9.0)	9	14-Jul-94	1.2 U
	EX68-2 - EX68-2(9.0)	9	14-Jul-94	<u>1.3</u> U
	EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	1.3 U
	EX68-3 - EX68-3(7.0)	7	27-Jul-94	1.3 U
	EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	1.3 U
	EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	1.3 U
	EX91-3 - EX91-3(5.0)	5	14-Jul-94	1.3 U
	SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	100 U
	SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	100 U
	SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	100 U
	SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,4	25.5	6-Sep-90	0.1 U
	SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	100 U
	T67-P - TP1-67-S-7-R-3,4,6	7	7-Jun-90	10 U
	T67-P - TP2-67-S-7-R-3,4,6	7	7 <b>-Jun</b> -90	10 U
	TN-67 - (E) TN-67-S-8-R-1,6,7	8	18-May-90	25 U
	TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	25 U
	TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	25 U
	TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	25 U
	W67-1 - WT-67-1(A)-S-2.5-R-1,3,4	2.5	30-Aug-90	
	W67-1 - WT-67-1(A)-S-5.0-R-1,3,4	5	30-Aug-90	50 U
	W67-1 - WT-67-1(A)-S-7.5-R-1,3,4	7.5	30-Aug-90	50 U
	W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	100 U
	W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	100 U
	W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	100 U
	W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	100 U
	W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	100 U
Chemical				
	Location/Sample_ID	Sample Depth	Sample Date	<b>Concentration</b>
	EX68-1 - EX68-1(9.0)	9	14-Jul-94	12 U
	EX68-2 - EX68-2(9.0)	9	14-Jul-94	13 U
	EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	13 U
	EX68-3 - EX68-3(7.0)	7	27-Jul-94	13 U
	EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	13 U
				13 U
	EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	<u>13 U</u> 13 U
	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0)	5.5	14-Jul-94 14-Jul-94	13 U
	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N)	5.5 5 1	14-Jul-94 14-Jul-94 7-Jun-90	13 U 51
	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W)	5.5 5 1 1.5	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90	13 U 51 63
	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B)	5.5 5 1 1.5 3.5	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90	13 U 51 63 36
	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B) T67-P - TP1-67-S-7-R-3,4,6	5.5 5 1 1.5 3.5 7	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90	13 U 51 63 36 10 U
Chemical	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B) T67-P - TP1-67-S-7-R-3,4,6 T67-P - TP2-67-S-7-R-3,4,6	5.5 5 1 1.5 3.5 7 7 7	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90	13 U 51 63 36
Chemical	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B) T67-P - TP1-67-S-7-R-3,4,6 T67-P - TP2-67-S-7-R-3,4,6 NAPHTHALENE	5.5 5 1 1.5 3.5 7 7	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90	13 U 51 63 36 10 U 10 U
Chemical	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B) T67-P - TP1-67-S-7-R-3,4,6 T67-P - TP2-67-S-7-R-3,4,6 Name: NAPHTHALENE Location/Sample ID	5.5 5 1 1.5 3.5 7 7 7 <b>Sample Depth</b> ¹	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90 5-Jun-90	13 U 51 63 36 10 U 10 U <b>Concentration</b>
Chemical	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B) T67-P - TP1-67-S-7-R-3,4,6 T67-P - TP2-67-S-7-R-3,4,6 NAPHTHALENE Location/Sample ID EX68-1 - EX68-1(9.0)	5.5 5 1 1.5 3.5 7 7 7 <b>Sample Depth</b> ⁴ 9	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90 5 <u>Sample Date</u> 14-Jul-94	13 U 51 63 36 10 U 10 U 10 U <u>Concentration</u> 0.4 U
Chemical	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) SU-66 - SU-66-S-1-R-3,4(N) SU-66 - SU-66-S-1.5-R-3,4(W) SU-66 - SU-66-S-3.5-R-3,4(B) T67-P - TP1-67-S-7-R-3,4,6 T67-P - TP2-67-S-7-R-3,4,6 Name: NAPHTHALENE Location/Sample ID	5.5 5 1 1.5 3.5 7 7 7 <b>Sample Depth</b> ¹	14-Jul-94 14-Jul-94 7-Jun-90 7-Jun-90 7-Jun-90 7-Jun-90 5-Jun-90	13 U 51 63 36 10 U 10 U <b>Concentration</b>

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

## (Concentrations in milligrams per kilogram)

	al Name: NAPHTHALEN	E.		
	Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
	EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	0.43 U
	EX91-2 - EX91-2(5.5)	5.5	1 <b>4-J</b> ul-94	0.43 U
	EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.42 U
	SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,	4 12.5	6-Sep-90	0.4 U
	SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,		6-Sep-90	0.41 U
	SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.41 U
	SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,	4 25.5	6-Sep-90	0.4 U
	SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.41 U
	SU-66 - SU-66-S-1-R-1,7(N)	1	7-Jun-90	0.33 U
	SU-66 - SU-66-S-1.5-R-1,7(W)	1.5	7-Jun-90	0.39 U
	SU-66 - SU-66-S-3.5-R-1,7(B)	3.5	7-Jun-90	0.36 U
	T67-P - TP1 <u>-67-S-7-R-1,7</u>	7	7-Jun-90	0.4 U
	T67-P - TP2-67-S-7-R-1,7	7	7-Jun-90	0.4 U
	TN-67 - (E) TN-67-S-8-R-1,6,7	8	18-May-90	0.726 U
	TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	0.759 U
	TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	0.726 U
	TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	0.838 U
	W68-1 - WT68-1(A)-S-12.5-R-1,2,3,		6-Sep-90	<u>0.41 U</u>
	W68-1 - WT68-1(A)-S-17.5-R-1,2,3,		6-Sep-90	0.41 U
	W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4		6-Sep-90	<u>0.37</u> U
	W68-1 - WT68-1(A)-S-25-R-1,2,3,4	25	6-Sep-90	0.39 U
	W68-1 - WT68-1(A)-S-7.5-R-1,2,3,4		6-Sep-90	0.41 U
Chemica	al Name: OTHER HEAV	Y TPH COMPONENT	rs .	
	Location/Sample ID	Sample Depth ¹	<u>Sample Date</u>	<b>Concentration</b>
	EX68-1 - EX68-1(9.0)	9	14-Jul-94	18 Y
	EX68-2 - EX68-2(9.0)	9	14-Jul-94	1.3 U
	EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	1.3 U
	EX68-3 - EX68-3(7.0)	7	27-Jul-94	11 Y
4				
1	EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	18 Y
	EX91-2 - EX91-2(5.5)	5.5	14-Jul-94 14-Jul-94	18 Y 6.6 Y
	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0)	<u>5.5</u> 5	14-Jul-94 14-Jul-94 14-Jul-94	18 Y
Chemica	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) al Name: OTHER LIGHT	5.5 5 T TPH COMPONENT	14-Jul-94 14-Jul-94 14-Jul-94 S	18 Y 6.6 Y 1.3 U
Chemic	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) al Name: OTHER LIGHT Location/Sample ID	5.5 5 T TPH COMPONENT Sample Depth ¹	14-Jul-94 14-Jul-94 14-Jul-94 S Sample Date	18 Y 6.6 Y 1.3 U Concentration
Chemic	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) al Name: OTHER LIGHT Location/Sample ID EX68-1 - EX68-1(9.0)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9	14-Jul-94 14-Jul-94 14-Jul-94 S S Sample Date 14-Jul-94	18 Y 6.6 Y 1.3 U <u>Concentration</u> 1.2 U
Chemic	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) al Name: OTHER LIGHT Location/Sample ID EX68-1 - EX68-1(9.0) EX68-2 - EX68-2(9.0)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9	14-Jul-94 14-Jul-94 S Sample Date 14-Jul-94 14-Jul-94 14-Jul-94	18 Y 6.6 Y 1.3 U Concentration 1.2 U 1.3 U
Chemic	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) al Name: OTHER LIGHT Location/Sample ID EX68-1 - EX68-1(9.0) EX68-2 - EX68-2(9.0) EX68-2 - EX68-99-6(9.0) (Dup)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9 9 9	14-Jul-94 14-Jul-94 S Sample Date 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94	18 Y 6.6 Y 1.3 U Concentration 1.2 U 1.3 U 1.3 U
Chemic	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) Al Name: OTHER LIGHT Location/Sample ID EX68-1 - EX68-1(9.0) EX68-2 - EX68-2(9.0) EX68-2 - EX68-99-6(9.0) (Dup) EX68-3 - EX68-3(7.0)	5.5 5 7 TPH COMPONENT Sample Depth ¹ 9 9 9 7	14-Jul-94 14-Jul-94 S Sample Date 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94	18 Y 6.6 Y 1.3 U Concentration 1.2 U 1.3 U 1.3 U 1.3 U 1.3 U
Chemic	EX91-2 - EX91-2(5.5) EX91-3 - EX91-3(5.0) al Name: OTHER LIGHT Location/Sample ID EX68-1 - EX68-1(9.0) EX68-2 - EX68-2(9.0) EX68-2 - EX68-2(9.0) EX68-3 - EX68-3(7.0) EX68-4 - EX68-4(9.0)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9 9 7 9	14-Jul-94 14-Jul-94 S S <u>Sample Date</u> 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94	18         Y           6.6         Y           1.3         U           Concentration         1.2         U           1.3         U         1.3         U           1.3         U         1.3         U           1.3         U         1.3         U           1.3         U         1.2         U           1.2         U         1.2         U
Chemic:	EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       OTHER LIGHT         Location/Sample ID         EX68-1 - EX68-1(9.0)         EX68-2 - EX68-2(9.0)         EX68-2 - EX68-99-6(9.0) (Dup)         EX68-3 - EX68-3(7.0)         EX68-4 - EX68-4(9.0)         EX91-1 - EX91-1(5.5)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9 9 9 7 7 9 5.5	14-Jul-94 14-Jul-94 S S Sample Date 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94	18         Y           6.6         Y           1.3         U           Concentration           1.2         U           1.3         U
Chemic	EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       OTHER LIGHT         Location/Sample ID         EX68-1 - EX68-1(9.0)         EX68-2 - EX68-2(9.0)         EX68-2 - EX68-3(7.0)         EX68-3 - EX68-3(7.0)         EX68-4 - EX68-4(9.0)         EX91-1 - EX91-1(5.5)         EX91-2 - EX91-2(5.5)	5.5 5 7 TPH COMPONENT Sample Depth ¹ 9 9 9 9 7 7 9 5.5 5.5	14-Jul-94 14-Jul-94 S S <u>Sample Date</u> 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94	18         Y           6.6         Y           1.3         U           Concentration           1.2         U           1.3         U
	EX91-2 - EX91-2(5.5)           EX91-3 - EX91-3(5.0)           al Name:         OTHER LIGHT           Location/Sample ID           EX68-1 - EX68-1(9.0)           EX68-2 - EX68-2(9.0)           EX68-3 - EX68-3(7.0)           EX68-4 - EX68-4(9.0)           EX91-1 - EX91-1(5.5)           EX91-2 - EX91-2(5.5)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9 9 9 7 7 9 5.5	14-Jul-94 14-Jul-94 S S Sample Date 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94	18         Y           6.6         Y           1.3         U           Concentration           1.2         U           1.3         U
	EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       OTHER LIGHT         Location/Sample ID         EX68-1 - EX68-1(9.0)         EX68-2 - EX68-2(9.0)         EX68-2 - EX68-3(7.0)         EX68-3 - EX68-3(7.0)         EX68-4 - EX68-4(9.0)         EX91-1 - EX91-1(5.5)         EX91-2 - EX91-2(5.5)	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9 9 9 7 7 9 5.5 5.5 5.5 5	14-Jul-94 14-Jul-94 S S <u>Sample Date</u> 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94	18         Y           6.6         Y           1.3         U           Concentration           1.2         U           1.3         U
	EX91-2 - EX91-2(5.5)           EX91-3 - EX91-3(5.0)           al Name:         OTHER LIGHT           Location/Sample ID           EX68-1 - EX68-1(9.0)           EX68-2 - EX68-2(9.0)           EX68-3 - EX68-3(7.0)           EX68-4 - EX68-4(9.0)           EX91-1 - EX91-1(5.5)           EX91-2 - EX91-2(5.5)	5.5 5 7 TPH COMPONENT Sample Depth ¹ 9 9 9 9 7 7 9 5.5 5.5	14-Jul-94 14-Jul-94 S S <u>Sample Date</u> 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94	18         Y           6.6         Y           1.3         U           Concentration           1.2         U           1.3         U
	EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       OTHER LIGHT         Location/Sample ID         EX68-1 - EX68-1(9.0)         EX68-2 - EX68-2(9.0)         EX68-2 - EX68-99-6(9.0) (Dup)         EX68-3 - EX68-3(7.0)         EX91-1 - EX91-1(5.5)         EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       TOLUENE	5.5 5 T TPH COMPONENT Sample Depth ¹ 9 9 9 9 7 7 9 5.5 5.5 5.5 5	14-Jul-94 14-Jul-94 S S Sample Date 14-Jul-94 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94	18         Y           6.6         Y           1.3         U           Concentration           1.2         U           1.3         U
	EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       OTHER LIGHT         Location/Sample ID         EX68-1 - EX68-1(9.0)         EX68-2 - EX68-2(9.0)         EX68-2 - EX68-2(9.0)         EX68-3 - EX68-3(7.0)         EX68-4 - EX68-4(9.0)         EX91-1 - EX91-1(5.5)         EX91-2 - EX91-2(5.5)         EX91-3 - EX91-3(5.0)         al Name:       TOLUENE         Location/Sample ID	5.5 5 <b>TPH COMPONENT</b> <u>Sample Depth</u> ¹ 9 9 9 7 9 5.5 5.5 5 <u>Sample Depth</u> ¹	14-Jul-94 14-Jul-94 14-Jul-94 S S <u>Sample Date</u> 14-Jul-94 14-Jul-94 27-Jul-94 27-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 Sample Date	18         Y           6.6         Y           1.3         U           Concentration         1.2         U           1.3         U         1.3         U

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

## (Concentrations in milligrams per kilogram)

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Chemical Name: TO	LUENE			
Location/Sample ID	<u>e</u>	Sample Depth ¹	Sample Date	<b>Concentration</b>
B13 - B13, 7-7.5		7	7-Mar-87	0.002 U
EX68-1 - EX68-1(9.0)		9	14-Jul-94	0.006 U
EX68-1 - EX68-1(9.0)		9	14-Jul-94	0.012 U
EX68-2 - EX68-2(9.0)		9	14-Jul-94	0.006 U
EX68-2 - EX68-2(9.0)		9	14-Jul-94	0.013 U
EX68-2 - EX68-99-6(9.0)	(Dup)	9	14-Jul-94	0.006 U
EX68-2 - EX68-99-6(9.0)	(Dup)	9	14-Jul-94	0.013 U
EX68-3 - EX68-3(7.0)		7	27-Jul-94	0.006 U
EX68-3 - EX68-3(7.0)		7	27-Jul-94	0.013 U
EX91-1 - EX91-1(5.5)		5.5	14-Ju1-94	0.006 U
EX91-1 - EX91-1(5.5)		5.5	14-Jul-94	0.013 U
EX91-2 - EX91-2(5.5)		5.5	14-Jul-94	0.006 U
EX91-2 - EX91-2(5.5)		5.5	14-Jul-94	0.013 U
EX91-3 - EX91-3(5.0)		5	14-Jul-94	0.006 U
EX91-3 - EX91-3(5.0)		5	14-Jul-94	0.013 U
EX91-4 - EX91-4(9.0)		9	14-Jul-94	0.006 U
SB68-1 - SB-68-1(A)-S-12	2.5-R-1,2,3,4	12.5	6-Sep-90	0.011 U
SB68-1 - SB-68-1(A)-S-17	7.5-R-1,2,3,4	17.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-2.	5-R-1,2,3,4	2.5	6-Sep-90	0.012
SB68-1 - SB-68-1(A)-S-25	5.5-R-1,2,3,4	25.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-7.	5-R-1,2,3,4	7.5	6-Sep-90	0.005 U
SU-66 - SU-66-S-1-R-1,7		1	7-Jun-90	0.005 UJ
SU-66 - SU-66-S-1.5-R-1,	,7(W)	1.5	7-Jun-90	0.028
SU-66 - SU-66-S-3.5-R-1,		3.5	7-Jun-90	0.005 U
T67-P - TP1-67-S-7-R-1,7	7	7	7-Jun-90	0.047
<u>T67-P - TP2-67-S-7-R-1,7</u>		7	7-Jun-90	0.014
TN-67 - (E) TN-67-S-8-R		8	18-May-90	0.005 U
<u>TN-67 - (N) TN-67-S-8-R</u>		8	18-May-90	0.005 U
TN-67 - (NNW) TN-67-S		8	18-May-90	0.006 UJ
<u>TN-67 - (S) TN-67-S-8-R</u>	· · · · · · · · · · · · · · · · · · ·	8	18-May-90	0.005 U
W67-1 - WT-67-1(A)-S-2		2.5	30-Aug-90	0.005 U
<u>W67-1 - WT-67-1(A)-S-5</u>		5	30-Aug-90	0.003 UJ
W67-1 - WT-67-1(A)-S-7		7.5	30-Aug-90	0.008 UJ
W68-1 - WT68-1(A)-S-12		12.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-17		17.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-2.		2.5	6-Sep-90	0.003 UJ
W68-1 - WT68-1(A)-S-25		25	6-Sep-90	0.009 J
W68-1 - WT68-1(A)-S-7.	5-R-1,2,3,4	7.5	6-Sep-90	0.005 U

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

#### (Concentrations in milligrams per kilogram)

Chemical Name: XYLENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
B13 - B13, 12-12.5	12	7-Mar-87	0.001 U
B13 - B13, 17-17.5	17	7-Mar-87	0.001 U
B13 - B13, 19.5-20	19.5	<b>7-Mar-8</b> 7	0.001 U
Chemical Name: XYLENE	· · · ·		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
B13 - B13, 7-7.5	7	7-Mar-87	0.001 U
EX68-1 - EX68-1(9.0)	9	 14-Jul-94	0.006 U
EX68-1 - EX68-1(9.0)	9	14-Jul-94	0.012 U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.006 U
EX68-2 - EX68-2(9.0)	9	14-Jul-94	0.013 U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.006 U
EX68-2 - EX68-99-6(9.0) (Dup)	9	14-Jul-94	0.013 U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	0.006 U
EX68-3 - EX68-3(7.0)	7	27-Jul-94	0.013 U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	0.006 U
EX91-1 - EX91-1(5.5)	5.5	14-Jul-94	0.013 U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.006 U
EX91-2 - EX91-2(5.5)	5.5	14-Jul-94	0.013 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.006 U
EX91-3 - EX91-3(5.0)	5	14-Jul-94	0.013 U
EX91-4 - EX91-4(5.0)	5	14-Jul-94	0.006 U
SB68-1 - SB-68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-25.5-R-1,2,3,4	25.5	6-Sep-90	0.005 U
SB68-1 - SB-68-1(A)-S-7.5-R-1,2,3,4	7.5	6-Sep-90	0.005 U
SU-66 - SU-66-S-1-R-1,7(N)	1	7-Jun-90	0.005 U
SU-66 - SU-66-S-1.5-R-1,7(W)	1.5	7-Jun-90	0.005 U
SU-66 - SU-66-S-3.5-R-1,7(B)	3.5	7-Jun-90	0.005 U
T67-P - TP1-67-S-7-R-1,7	7	7-Jun-90	0.005 U
T67-P - TP2-67-S-7-R-1,7	7	7-Jun-90	0.005 U
TN-67 - (E) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (N) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (NNW) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
TN-67 - (S) TN-67-S-8-R-1,6,7	8	18-May-90	0.005 U
W67-1 - WT-67-1(A)-S-2.5-R-1,3,4	2.5	30-Aug-90	0.005 U
W67-1 - WT-67-1(A)-S-5.0-R-1,3,4	5	30-Aug-90	0.005 U
W67-1 - WT-67-1(A)-S-7.5-R-1,3,4	7,5	30-Aug-90	0.005 U
W68-1 - WT68-1(A)-S-12.5-R-1,2,3,4	12.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-17.5-R-1,2,3,4	17.5	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-2.5-R-1,2,3,4	2.5	6-Sep-90	0.005 U

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 66, 67, 68, AND 91 SOIL DATA

# (Concentrations in milligrams per kilogram)

Chemical Name: XYL	ENE			
Location/Sample ID		Sample Depth ¹	<u>Sample Date</u>	<u>Concentration</u>
W68-1 - WT68-1(A)-S-25-F	R-1,2,3,4	. 25	6-Sep-90	0.005 U
W68-1 - WT68-1(A)-S-7.5-		7.5	6-Sep-90	0.005 U

Notes:

U - Analyzed but not detected (reported value is a detection limit).

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

1 - Feet below ground surface

#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: 2-METHYLNAPHTHALENE			
Location/Sample ID	Sample Date	<u>Concentrati</u>	on
GW68-1 - GW68-1	14-Jul-94	10	U
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	10	U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	20	U
W91-1 - W91-001(27.5)	18-Jun-92	10	U
Chemical Name: BENZENE			
Location/Sample ID	Sample Date	<u>Concentrati</u>	<u>on</u>
ERM-4 - ERM-4	10-Sep-92	0.5	U
ERM-4 - ERM-4	10-Sep-92	400	U
ERM-4 - ERM-4	18-May-93	0.5	U
ERM-4 - ERM-4	18-May-93	50	U
ERM-4 - ERM-4	17-Sep-93	250	U
ERM-4 - ERM-4 (3/20/87)	20-Mar-87	0.5	U
ERM-4 - ERM-4(13.0)	19-Jul-91	0.5	U
ERM-4 - ERM-4(13.0)	19-Jul-91	1000	U
GW68-1 - GW68-1	14-Jul-94	0.2	J
GW68-1 - GW68-1	14-Jul-94	0.5	U
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	0.2	J
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	0.5	U
TN-67 - TN-67-W1-R-07-1	15-May-90	5	U
W67-1 - W67-1	15-Nov-91	0.3	U
W67-1 - W67-1	15-Nov-91	50	Ū
W67-1 - W67-1	4-Mar-92	50	U
W67-1 - W67-1	8-Jun-92	. 5	U
W67-1 - W67-1	10-Sep-92	0.5	U
W67-1 - W67-1	10-Sep-92	100	U
W67-1 - W67-1	18-May-93	0.5	U
W67-1 - W67-1	18-May-93	10	U
W67-1 - W67-1(10.8)	24-Jul-91	125	U
W67-1 - W67-1(10.8)	24-Jul-91	300	U
W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	5	U
W68-1 - W68-1	15-Nov-91	0.3	U
W68-1 - W68-1	15-Nov-91	25	U
W68-1 - W68-1	12-Feb-92	10	U
W68-1 - W68-1	8-Jun-92	5	U
W68-1 - W68-1	10-Sep-92	0.5	U
W68-1 - W68-1	10-Sep-92	50	U
W68-1 - W68-1	18-May-93	0.5	Ū
W68-1 - W68-1	18-May-93	3	U
W68-1 - W68-1(16.2)	24-Jul-91	0.6	U
W68-1 - W68-1(16.2)	24-Jul-91	12	Ū
W68-1 - W68-99-01 (Dup)	12-Feb-92	5	U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	5	U
W9-46 - MW009-046(17.0)	31-Jul-91	0.5	Ū

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## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: BENZENE			
Location/Sample ID	Sample Date	<u>Concentration</u>	<u>on</u>
W9-46 - MW009-046(17.0)	31-Jul-91	200	U
W9-46 - W9-46	5-Nov-91	2.1	
W9-46 - W9-46	5-Nov-91	50	U
W9-46 - W9-46	28-Feb-92	50	U
W9-46 - W9-46	15-Jun-92	50	U
W9-46 - W9-46	11-Sep-92	0.5	U
W9-46 - W9-46	11-Sep-92	120	U
W9-46 - W9-46	24-May-93	10	U
W9-46 - W9-46	24-May-93	12	
W9-46 - W9-46	9-Dec-93	0.5	U
W9-46 - W9-46	9-Dec-93	100	U
W9-46 - W9-99-05 (Dup)	28-Feb-92	50	U
W91-1 - W91-001(27.5)	18-Jun-92	0.2	J
W91-1 - W91-001(27.5)	18-Jun-92	0.5	U
W91-1 - W91-1	10-Sep-92	0.5	U
W91-1 - W91-1	10-Sep-92	170	U
W91-1 - W91-1	18-Nov-92	0.5	U
W91-1 - W91-1	18-Nov-92	33	U
W91-1 - W91-1	18-May-93	0.5	U
W91-1 - W91-1	18-May-93	20	U
W9SC-14 - W9SC-14	5-Jun-97	59	U
W9SC-14 - W9SC-14	4-Aug-97	6	U
W9SC-17 - W9SC-17	5-Jun-97	250	U
W9SC-17 - W9SC-17	4-Aug-97	18	U
Chemical Name: BENZO(A)PYRENE			
Location/Sample ID	Sample Date	<u>Concentrati</u>	<u>on</u>
GW68-1 - GW68-1	14-Jul-94	10	U
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	10	U
W91-1 - W91-001(27.5)	18-Jun-92	10	U
Chemical Name: DIESEL-RANGE ORGANIC COMP	OUNDS		
Location/Sample ID	Sample Date	<u>Concentrati</u>	
ERM-4 - ERM-4	10-Sep-92	50	U
ERM-4 - ERM-4	18-May-93	50	U
ERM-4 - ERM-4(13.0)	19-Jul-91	50	U
GW68-1 - GW68-1	14-Jul-94	50	U
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	50	U
TN-67 - TN-67-W1-R-07-3,6	15-May-90	1300	
W67-1 - W67-1	15-Nov-91	500	U
W67-1 - W67-1	4-Mar-92	500	U
W67-1 - W67-1	8-Jun-92	500	U
W67-1 - W67-1	10-Sep-92	50	U
W67-1 - W67-1	18-May-93	50	U
W67-1 - W67-1(10.8)	22-Jul-91	500	U

g0069-226g0401\s\project\moffett\petrol sites\closure report\tables2.xls

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: DIESEL-RANGE ORGANIC COMPOU	JNDS		
Location/Sample ID	Sample Date	<u>Concentration</u>	on
W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	930	
W68-1 - W68-1	15-Nov-91	500	U
W68-1 - W68-1	12-Feb-92	500	U
W68-1 - W68-1	8-Jun-92	500	U
W68-1 - W68-1	10-Sep-92	50	U
W68-1 - W68-1	18-May-93	50	U
W68-1 - W68-1(16.0)	22-Jul-91	500	U
W68-1 - W68-99-01 (Dup)	12-Feb-92	500	U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	500	U
W9-46 - MW009-046(17.0)	31-Jul-91	50	U
W9-46 - W9-46	5-Nov-91	1100	
W9-46 - W9-46	28-Feb-92	500	U
W9-46 - W9-46	15-Jun-92	500	U
W9-46 - W9-46	11-Sep-92	50	U
W9-46 - W9-46	24-May-93	50	U
W9-46 - W9-99-05 (Dup)	28-Feb-92	500	U
W91-1 - W91-001(27.5)	18-Jun-92	50	U
W91-1 - W91-1	10-Sep-92	50	U
W91-1 - W91-1	18-Nov-92	50	U
W91-1 - W91-1	18-May-93	50	U
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Date	<u>Concentrati</u>	<u>on</u>
	<u>Sample Date</u> 10-Sep-92	<u>Concentrati</u> 0.5	on U
Location/Sample ID			
Location/Sample ID ERM-4 - ERM-4	10-Sep-92	0.5	U
<u>Location/Sample ID</u> ERM-4 - ERM-4 ERM-4 - ERM-4	10-Sep-92 10-Sep-92	0.5 400	บ บ บ บ
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4	10-Sep-92 10-Sep-92 18-May-93	0.5 400 0.5	บ บ บ
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4	10-Sep-92 10-Sep-92 18-May-93 18-May-93	0.5 400 0.5 50	บ บ บ บ
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93	0.5 400 0.5 50 250	U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87	0.5 400 0.5 50 250 1	U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4(13.0)	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91	0.5 400 0.5 50 250 1 0.5	U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4(13.0) ERM-4 - ERM-4(13.0)	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91	0.5 400 0.5 50 250 1 0.5 1000	U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4(13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-94	0.5 400 0.5 50 250 1 0.5 1000 0.5	U U U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-94 14-Jul-94	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 2	U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-99-7 (Dup)	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5	U U U U U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-1 GW68-1 - GW68-99-7 (Dup) GW68-1 - GW68-99-7 (Dup)	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 2	U U U U U U U U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-99-7 (Dup) GW68-1 - GW68-99-7 (Dup) TN-67 - TN-67-W1-R-07-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 15-May-90	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 5	U U U U U U U U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-1 GW68-1 - GW68-99-7 (Dup) GW68-1 - GW68-99-7 (Dup) TN-67 - TN-67-W1-R-07-1 W67-1 - W67-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 15-May-90 15-Nov-91	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 2 0.5 2 0.3	U U U U U U U U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-1 GW68-1 - GW68-99-7 (Dup) GW68-1 - GW68-99-7 (Dup) TN-67 - TN-67-W1-R-07-1 W67-1 - W67-1 W67-1 - W67-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 15-May-90 15-Nov-91 15-Nov-91	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 2 5 0.3 50	U U U U U U U U U U U U U U U U U U U
Location/Sample ID ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 ERM-4 - ERM-4 (3/20/87) ERM-4 - ERM-4 (13.0) ERM-4 - ERM-4(13.0) GW68-1 - GW68-1 GW68-1 - GW68-1 GW68-1 - GW68-99-7 (Dup) GW68-1 - GW68-99-7 (Dup) TN-67 - TN-67-W1-R-07-1 W67-1 - W67-1 W67-1 - W67-1 W67-1 - W67-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 15-May-90 15-Nov-91 15-Nov-91 4-Mar-92	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 2 5 0.3 50 50	U U U U U U U U U U U U U U U U U U U
Location/Sample ID         ERM-4 - ERM-4         ERM-4 - ERM-4 (3/20/87)         ERM-4 - ERM-4 (13.0)         ERM-4 - ERM-4(13.0)         GW68-1 - GW68-1         GW68-1 - GW68-99-7 (Dup)         GW68-1 - GW68-99-7 (Dup)         TN-67 - TN-67-W1-R-07-1         W67-1 - W67-1         W67-1 - W67-1         W67-1 - W67-1         W67-1 - W67-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 15-May-90 15-Nov-91 15-Nov-91 4-Mar-92 8-Jun-92	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 2 0.5 2 50 50 50	U U U U U U U U U U U U U U U U U U U
Location/Sample ID         ERM-4 - ERM-4         ERM-4 - ERM-4 (3/20/87)         ERM-4 - ERM-4 (3/20/87)         ERM-4 - ERM-4 (13.0)         ERM-4 - ERM-4(13.0)         ERM-4 - ERM-4(13.0)         GW68-1 - GW68-1         GW68-1 - GW68-99-7 (Dup)         GW68-1 - GW68-99-7 (Dup)         TN-67 - TN-67-W1-R-07-1         W67-1 - W67-1         W67-1 - W67-1	10-Sep-92 10-Sep-92 18-May-93 18-May-93 17-Sep-93 20-Mar-87 19-Jul-91 19-Jul-91 19-Jul-91 14-Jul-94 14-Jul-94 14-Jul-94 14-Jul-94 15-May-90 15-Nov-91 15-Nov-91 4-Mar-92 8-Jun-92 10-Sep-92	0.5 400 0.5 50 250 1 0.5 1000 0.5 2 0.5 2 0.5 5 0.3 50 50 5 0.5	U U U U U U U U U U U U U U U U U U U

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

# (Concentrations in micrograms per liter)

Chemical Name: ETHYLBENZENE	-	
Location/Sample ID	Sample Date	<b>Concentration</b>
W67-1 - W67-1(10.8)	24-Jul-91	125 U
W67-1 - W67-1(10.8)	24-Jul-91	<u>300 U</u>
W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	5 U
W68-1 - W68-1	15-Nov-91	0.3 U
W68-1 - W68-1	15-Nov-91	25 U
W68-1 - W68-1	12-Feb-92	10 U
W68-1 - W68-1	8-Jun-92	5 U
W68-1 - W68-1	10-Sep-92	0.5 U
W68-1 - W68-1	10-Sep-92	50 U
W68-1 - W68-1	18-May-93	0.5 U
W68-1 - W68-1	18-May-93	3 U
W68-1 - W68-1(16.2)	24-Jul-91	0.6 U
W68-1 - W68-1(16.2)	24-Jul-91	12 U
W68-1 - W68-99-01 (Dup)	12-Feb-92	5 U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	5 U
W9-46 - MW009-046(17.0)	31-Jul-91	0.5 U
W9-46 - MW009-046(17.0)	31-Jul-91	200 U
W9-46 - W9-46	5-Nov-91	0.3 U
W9-46 - W9-46	5-Nov-91	50 U
W9-46 - W9-46	28-Feb-92	50 U
W9-46 - W9-46	15-Jun-92	50 U
W9-46 - W9-46	11-Sep-92	0.5 U
W9-46 - W9-46	11-Sep-92	120 U
W9-46 - W9-46	24-May-93	0.5 U
W9-46 - W9-46	24-May-93	10 U
W9-46 - W9-46	9-Dec-93	0.5 U .
W9-46 - W9-46	9-Dec-93	100 U
W9-46 - W9-99-05 (Dup)	28-Feb-92	50 U
W91-1 - W91-001(27.5)	18-Jun-92	0.5 U
W91-1 - W91-001(27.5)	18-Jun-92	2 U
W91-1 - W91-1	10-Sep-92	0.5 U
W91-1 - W91-1	10-Sep-92	170 U
W91-1 - W91-1	18-Nov-92	0.5 UJ-T
W91-1 - W91-1	18-Nov-92	33 U
W91-1 - W91-1	18-May-93	0.5 U
W91-1 - W91-1	18-May-93	20 U
W9SC-14 - W9SC-14	5-Jun-97	59 U
W9SC-14 - W9SC-14	4-Aug-97	6 U
W9SC-17 - W9SC-17	5-Jun-97	250 U
W9SC-17 - W9SC-17	4-Aug-97	18 U
Chemical Name: GASOLINE-RANGE ORGANIC C		, • • · · • • • • • • • • • • • • • • •
Location/Sample ID	Sample Date	<b>Concentration</b>
ERM-4 - ERM-4	10-Sep-92	50 U

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

#### (Concentrations in micrograms per liter)

Lextinu/Sample IDSample DateConcentrationERM-4 - ERM-4 - ERM-4 (13.0)19-Jul-912800XGW68-1 - GW68-114-Jul-9450UGW68-1 - GW68-90-7 (Dup)14-Jul-9450UTN-67 - TN-67-W1-R-07-415-May-90260W67-1 - W67-115-May-90260W67-1 - W67-115-May-92500UW67-1 - W67-18-Jun-92500UW67-1 - W67-119-Sep-92500UW67-1 - W67-119-Sep-92500UW67-1 - W67-119-Sep-92500UW67-1 - W67-1(10.8)24-Jul-912000DJW67-1 - W67-1(10.8)24-Jul-912000DJW67-1 - W67-1(10.8)24-Jul-912000UW68-1 - W68-110-Sep-92500UW68-1 - W68-110-Sep-92500UW9-46 - W9-469-Dec-9350U <t< th=""><th>Chemical Name: GASOLINE-RANGE ORGANIC COMPOU</th><th>NDS</th><th></th><th></th></t<>	Chemical Name: GASOLINE-RANGE ORGANIC COMPOU	NDS		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Location/Sample ID	Sample Date	<u>Concentrati</u>	on
	ERM-4 - ERM-4	18-May-93	50	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ERM-4 - ERM-4(13.0)	19-Jul-91	2800	х
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	GW68-1 - GW68-1	14-Jul-94	50	Ü
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	GW68-1 - GW68-99-7 (Dup)	14-Jul-94	50	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	TN-67 - TN-67-W1-R-07-4	15-May-90	260	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W67-1 - W67-1	15-Nov-91	1300	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	W67-1 - W67-1	4-Mar-92	500	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W67-1 - W67-1	8-Jun-92	500	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W67-1 - W67-1	10-Sep-92	50	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W67-1 - W67-1	18-May-93	50	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W67-1 - W67-1(10.8)	24-Jul-91	2000	DJ
W68-1 - W68-1         12-Feb-92         500         U           W68-1 - W68-1         8-Jun-92         500         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1(16.2)         24-Jul-91         150         J           W68-1 - W68-1(16.2)         24-Jul-91         150         J           W68-1 - W68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - M9009-046(17.0)         31-Jul-91         1200         JX           W9-46 - W9-46         5-Nov-91         2000         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-905 (Dup)         28-Feb-92         500         U           W9-11 - W91-01(27.5)         18-Jun-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U	W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	500	
W68-1         W68-1         8-Jun-92         500         U           W68-1         W68-1         10-Sep-92         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1(16.2)         24-Jul-91         150         J           W68-1         W68-1(16.2)         24-Jul-91         150         J           W68-1         W68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46         HW009-046(17.0)         31-Jul-91         1200         JX           W9-46         W9-46         5-Nov-91         2000         W           W9-46         W9-46         28-Feb-92         500         U           W9-46         W9-46         15-Jun-92         500         U           W9-46         W9-46         11-Sep-92         50         U           W9-46         W9-46         9-Dec-93         50         U           W9-46         W9-46         9-Dec-93         50         U           W9-46         W9-46         9-Dec-93         50         U           W91-1         W91-1         10-Sep-92         50         U           W91-1	W68-1 - W68-1	15-Nov-91	440	J
W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1(16.2)         24-Jul-91         150         J           W68-1 - W68-10(Dup)         12-Feb-92         500         U           W68-1 - W768-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         1200         JX           W9-46 - W9-46         5-Nov-91         2000         U           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-90         500         U         U         W9-46 - W9-90         50         U           W9-46 - W9-90         50         U         W9-46 - W9-90         50         U           W9-46 - W9-90         50         U         W9-46 - W9-90         50         U           W9-46 - W9-90         50         U         W9-46 - W9-90 <td>W68-1 - W68-1</td> <td>12-Feb-92</td> <td>500</td> <td>U</td>	W68-1 - W68-1	12-Feb-92	500	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W68-1 - W68-1	8-Jun-92	500	U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W68-1 - W68-1	10-Sep-92	50	U
W68-1 - W68-99-01 (Dup)         12-Feb-92         500         U           W68-1 - WT68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         1200         JX           W9-46 - W9-46         5-Nov-91         2000           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-90.5 (Dup)         28-Feb-92         500         U           W9-46 - W9-90.05 (Dup)         28-Feb-92         500         U           W9-46 - W9-90.05 (Dup)         28-Feb-92         500         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W68-1 - GM68-1         10-Sep-92         50         U           ERM-4 - ERM-4         10-Sep-92         50         U	W68-1 - W68-1	18-May-93	50	U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         1200         JX           W9-46 - W9-46         S-Nov-91         2000           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-90 05 (Dup)         28-Feb-92         500         U           W9-46 - W9-90 05 (Dup)         28-Feb-92         500         U           W9-11 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W68-1 - GM68-1         10-Sep-92         50         U           ERM-4	W68-1 - W68-1(16.2)	24-Jul-91	150	J
W9-46 - MW009-046(17.0)         31-Jul-91         1200         JX           W9-46 - W9-46         5-Nov-91         2000           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-96         9-Dec-93         50         U           W9-46 - W9-96         10-Sep-92         500         U           W9-46 - W9-96         9-Dec-93         50         U           W9-46 - W9-96         10-Sep-92         500         U           W9-11 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           Edation/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92	W68-1 - W68-99-01 (Dup)	12-Feb-92	500	υ
W9-46 - W9-46         5-Nov-91         2000           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-96         9-Dec-93         50         U           W9-46 - W9-96         9-Dec-93         50         U           W9-46 - W9-96         9-Dec-93         50         U           W9-11 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           Ecation/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           GW68-1 - GW68-1         14-Jul-94         50 <td>W68-1 - WT68-1(A)-W-12-R-1,2,3,4</td> <td>11-Sep-90</td> <td>500</td> <td>U</td>	W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	500	U
W9-46         W9-46         28-Feb-92         500         U           W9-46         W9-46         15-Jun-92         500         U           W9-46         W9-46         11-Sep-92         50         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-46         9-Dec-93         50         U           W9-46         W9-90-05 (Dup)         28-Feb-92         500         U           W91-1         W91-001(27.5)         18-Jun-92         50         U           W91-1         W91-1         10-Sep-92         50         U           W91-1         W91-1         18-Nov-92         50         U           W91-1         W91-1         18-Nov-92         50         U           W91-1         W91-1         18-May-93         50         U           W91-1         W91-1         18-May-93         50         U           W91-1         W91-1         10-Sep-92         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         18-May-93	W9-46 - MW009-046(17.0)	31-Jul-91	1200	JX
W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-96         9-Dec-93         50         U           W9-46 - W9-99-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         18-May-93         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           W67-1 - W67-1 <td< td=""><td>W9-46 - W9-46</td><td>5-Nov-91</td><td>2000</td><td></td></td<>	W9-46 - W9-46	5-Nov-91	2000	
W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-96         9-Dec-93         50         U           W9-46 - W9-905 (Dup)         28-Feb-92         500         U           W9-46 - W9-90-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         10-Sep-92         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           W67-1 - W67-1	W9-46 - W9-46	28-Feb-92	500	U
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	W9-46 - W9-46	15-Jun-92	500	U
W9-46 - W9-46         9-Dec-93         50         U           W9-46 - W9-99-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           Chemical Name:         JP5-RANGE ORGANIC COMPOUNDS         Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U         U           GW68-1 - GW68-1         19-Jul-91         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           W67-1 - W67-1         4-Mar-92         500         U           W67-1 - W67-1         8-Jun-92 <td>W9-46 - W9-46</td> <td>11-Sep-92</td> <td>50</td> <td>U</td>	W9-46 - W9-46	11-Sep-92	50	U
W9-46 - W9-99-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           Chemical Name:         JP5-RANGE ORGANIC COMPOUNDS         U         U         U           ERM-4 - ERM-4         10-Sep-92         50         U         U           ERM-4 - ERM-4         10-Sep-92         50         U         U           GW68-1 - GW68-1         19-Jul-91         50         U         U           GW68-1 - GW68-1         14-Jul-94         50         U         U           W67-1 - W67-1         4-Mar-92         500         U         U           W67-1 - W67-1         8-Jun-92         500         U         U	W9-46 - W9-46	24-May-93	50	U
W91-1 - W91-001(27.5)       18-Jun-92       50       U         W91-1 - W91-1       10-Sep-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-May-93       50       U         ERM-4 - ERM-4       10-Sep-92       50       U         ERM-4 - ERM-4(13.0)       19-Jul-91       50       U         GW68-1 - GW68-1       14-Jul-94       50       U         GW68-1 - GW68-99-7 (Dup)       14-Jul-94       50       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       50       U	W9-46 - W9-46	9-Dec-93	50	U
W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           Chemical Name:         JP5-RANGE ORGANIC COMPOUNDS         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         8-Jun-92         500         U	W9-46 - W9-99-05 (Dup)	28-Feb-92	500	<u> </u>
W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-May-93       50       U         Chemical Name:       JP5-RANGE ORGANIC COMPOUNDS       Sample Date       Concentration         ERM-4 - ERM-4       10-Sep-92       50       U         ERM-4 - ERM-4       10-Sep-92       50       U         ERM-4 - ERM-4       18-May-93       50       U         ERM-4 - ERM-4       18-May-93       50       U         ERM-4 - ERM-4(13.0)       19-Jul-91       50       U         GW68-1 - GW68-1       14-Jul-94       50       U         W67-1 - W67-1       4-Mar-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       50       U	W91-1 - W91-001(27.5)	18-Jun-92	50	U
W91-1 - W91-1         18-May-93         50         U           Chemical Name:         JP5-RANGE ORGANIC COMPOUNDS         Concentration           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         18-May-93         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         8-Jun-92         500         U	W91-1 - W91-1	10-Sep-92	50	U
Chemical Name:         JP5-RANGE ORGANIC COMPOUNDS           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         18-May-93         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           W67-1 - W67-1         4-Mar-92         500         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         10-Sep-92         50         U	W91-1 - W91-1	18-Nov-92	50	U
Location/Sample IDSample DateConcentrationERM-4 - ERM-410-Sep-9250UERM-4 - ERM-418-May-9350UERM-4 - ERM-4(13.0)19-Jul-9150UGW68-1 - GW68-114-Jul-9450UGW68-1 - GW68-99-7 (Dup)14-Jul-9450UW67-1 - W67-14-Mar-92500UW67-1 - W67-18-Jun-92500UW67-1 - W67-110-Sep-9250U	W91-1 - W91-1	18-May-93	50	U
ERM-4 - ERM-4       10-Sep-92       50       U         ERM-4 - ERM-4       18-May-93       50       U         ERM-4 - ERM-4(13.0)       19-Jul-91       50       U         GW68-1 - GW68-1       14-Jul-94       50       U         GW68-1 - GW68-99-7 (Dup)       14-Jul-94       50       U         W67-1 - W67-1       4-Mar-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       50       U	Chemical Name: JP5-RANGE ORGANIC COMPOUNDS		-	
ERM-4 - ERM-4       18-May-93       50       U         ERM-4 - ERM-4(13.0)       19-Jul-91       50       U         GW68-1 - GW68-1       14-Jul-94       50       U         GW68-1 - GW68-99-7 (Dup)       14-Jul-94       50       U         W67-1 - W67-1       4-Mar-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       50       U	Location/Sample ID			<u>ion</u>
ERM-4 - ERM-4(13.0)       19-Jul-91       50       U         GW68-1 - GW68-1       14-Jul-94       50       U         GW68-1 - GW68-99-7 (Dup)       14-Jul-94       50       U         W67-1 - W67-1       4-Mar-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       50       U	ERM-4 - ERM-4	10-Sep-92	50	U
GW68-1 - GW68-1       14-Jul-94       50       U         GW68-1 - GW68-99-7 (Dup)       14-Jul-94       50       U         W67-1 - W67-1       4-Mar-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       50       U	ERM-4 - ERM-4	18-May-93	50	
GW68-1 - GW68-99-7 (Dup)14-Jul-9450UW67-1 - W67-14-Mar-92500UW67-1 - W67-18-Jun-92500UW67-1 - W67-110-Sep-9250U	ERM-4 - ERM-4(13.0)	19-Jul-91	50	U
W67-1 - W67-1         4-Mar-92         500         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         10-Sep-92         50         U	GW68-1 - GW68-1	14-Jul-94	50	U
W67-1 - W67-18-Jun-92500UW67-1 - W67-110-Sep-9250U	GW68-1 - GW68-99-7 (Dup)	14-Jul-94	50	U
W67-1 - W67-1 10-Sep-92 50 U		4-Mar-92	500	
	W67-1 - W67-1	8-Jun-92	500	U
W67-1 - W67-1 18-May-93 50 U	W67-1 - W67-1			
	W67-1 - W67-1	18-May-93	50	U

5 of 11

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

	(Concentrations	in	micrograms	per	liter)	
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Location/Sample IDSample DateConsentrationW68-1W68-112-Feb-92500UW68-1W68-110-Sep-9250UW68-1W68-110-Sep-9250UW68-1W68-118-May-9350UW68-1W68-901 (Dup)12-Feb-92500UW9-46W9-4628-Feb-92500UW9-46W9-4615-Jun-92500UW9-46W9-4611-Sep-92500UW9-46W9-4624-May-9350UW9-46W9-4624-May-9350UW9-46W9-99-05 (Dup)28-Feb-92500UW9-11W9-1110-Sep-9250UW91-1 <w91-1< td="">18-Jun-9250UW91-1<w91-1< td="">18-May-9350UW91-1<w91-1< td="">18-May-9350UW91-1<w91-1< td="">18-May-9350UUseration/Sample IDSample DateConcentrationERM-4ERM-418-May-9350UURM-4ERM-414-Jul-9450UGW68-1GW68-114-Jul-9450UW67-1<w67-1< td="">18-May-9350UW67-1<w67-1< td="">18-May-9350UW67-1<w67-1< td="">18-May-9350UW67-1<w67-1< td="">18-May-9350UW67-1<w67-1< td="">18-May-9350UW67-1<w67-1< td="">18-May-9350UW67-1<w67-1< td="">18-May-</w67-1<></w67-1<></w67-1<></w67-1<></w67-1<></w67-1<></w67-1<></w91-1<></w91-1<></w91-1<></w91-1<>	Chemical Name: JP5-RANGE ORGANIC COMPOUN	DS	······································
W68-1         8-Jun-92         500         U           W68-1         W68-1         10-Sep-92         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1         18-May-93         50         U           W9-46         W9-46         M9-46         28-Feb-92         500         U           W9-46         W9-46         11-Sep-92         500         U           W9-46         W9-46         28-Feb-92         500         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-46         28-Feb-92         500         U           W9-11<- W91-1	Location/Sample ID	Sample Date	<b>Concentration</b>
W68-1         10-Sep-92         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1         W68-1         50         U           W9-46         W9-46         W9-46         28-Feb-92         500         U           W9-46         W9-46         15-Jun-92         500         U           W9-46         W9-46         15-Sep-92         50         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-905         Dup)         28-Feb-92         50         U           W91-1         W91-01         10-Sep-92         50         U         W91-1         <	W68-1 - W68-1	12-Feb-92	500 U
W68-1         W68-1         18-May-93         50         U           W68-1         W68-99-01 (Dup)         12-Feb-92         500         U           W9-46         W9-46         28-Feb-92         500         U           W9-46         W9-46         15-Jun-92         500         U           W9-46         W9-46         15-Jun-92         500         U           W9-46         W9-46         15-Jun-92         500         U           W9-46         W9-46         24-May-93         50         U           W9-46         W9-90         50         U         W         W9-46         W9-90         50         U           W9-11         W9-1001(27.5)         18-Jun-92         50         U         W         W9-11         W9-11         10-Sep-92         50         U           W91-1         W91-1         18-May-93         50         U         ERM-4         ERM-4         10-Sep-92         50         U           ERM-4         ERM-4         10-Sep-92         50         U         U         Gw68-1         Gw68-97         Dup         10         Sup -90         U         U         Gw68-1         Gw68-97         Dup         10	W68-1 - W68-1	8-Jun-92	500 U
W68-1 - W68-99-01 (Dup)         12-Feb-92         500         U           W9-46 - M9-46         31-Jul-91         50         U           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         11-Sep-92         500         U           W9-46 - W9-46         11-Sep-92         500         U           W9-46 - W9-96         (Dup)         28-Feb-92         500         U           W9-46 - W9-90 50 (Dup)         28-Feb-92         500         U           W9-11 - W91-1001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           Ecation/Sample ID         Sample Date         Concentration           Ecation/Sample ID         Sample Adv         10         Sep-92         50         U           GW68-1 - GW68-1         14-Jul-94         50         U         GW68-1         GW68-1         GW68-1         U         GW68-1         GW68-1         GW68-1         GW68-1         GW68-1 <td>W68-1 - W68-1</td> <td>10-Sep-92</td> <td>50 U</td>	W68-1 - W68-1	10-Sep-92	50 U
W9-46 - MW009-046(17.0)         31-Jul-91         50         U           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-46         24-May-93         50         U           W9-11 - W91-01(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nav-93         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           Gordentration         19-Jul-91         50         U           GW68-1 - GW68-90 - (Dup)         14-Jul-94         50         U           GW68-1 - GW68-90 - (Mup)         14-Jul-94         50         U           W67-1 - W6	W68-1 - W68-1	18-May-93	50 U
W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-96         24-May-93         50         U           W9-46 - W9-99-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           Concentration         Ecation/Sample ID         Sample Date         Concentration           Location/Sample ID         Sample Date         Concentration         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U	W68-1 - W68-99-01 (Dup)	12-Feb-92	500 U
W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-94         24-May-93         50         U           W9-46 - W9-90-50 (Dup)         28-Feb-92         500         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nay-93         50         U           W91-1 - W91-1         18-May-93         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W66-1 - W68-1 <td< td=""><td>W9-46 - MW009-046(17.0)</td><td>31-Jul-91</td><td>50 U</td></td<>	W9-46 - MW009-046(17.0)	31-Jul-91	50 U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	W9-46 - W9-46	28-Feb-92	500 U
W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-99-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           Chemical Name:         KEROSENE-RANGE ORGANIC COMPOUNDS         Concentration           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-97 (Dup)         14-Jul-94         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W	W9-46 - W9-46	15-Jun-92	500 U
W9-46 - W9-99-05 (Dup)         28-Feb-92         500         U           W91-1 - W91-1         W91-1         10-Sep-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           ERM-4 - ERM-4         10-Sep-92         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - W1R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 -	W9-46 - W9-46	11-Sep-92	50 U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<b>W9-46 - W9-46</b>	24-May-93	50 U
W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         1	W9-46 - W9-99-05 (Dup)	28-Feb-92	500 U
W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           Chemical Name:         KEROSENE-RANGE ORGANIC COMPOUNDS         Concentration           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         18-May-93         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - W67-1         18-May-93         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W9-46 - M90-90-046(17.0)         31-Jul-91         320           W9-46 - W9-46 <td>W91-1 - W91-001(27.5)</td> <td>18-Jun-92</td> <td>50 U</td>	W91-1 - W91-001(27.5)	18-Jun-92	50 U
W91-1 - W91-1         18-May-93         50         U           Chemical Name:         KEROSENE-RANGE ORGANIC COMPOUNDS         Concentration           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4         18-May-93         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3.6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - W67-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W168-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U <t< td=""><td>W91-1 - W91-1</td><td>10-Sep-92</td><td></td></t<>	W91-1 - W91-1	10-Sep-92	
Chemical Name:         KEROSENE-RANGE ORGANIC COMPOUNDS           Location/Sample ID         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         11-Sep-90         500         U           W68-1 - W68-1         11-Sep-92         50         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46	W91-1 - W91-1	18-Nov-92	50 U
Location/Sample IDSample DateConcentrationERM-4 - ERM-410-Sep-9250UERM-4 - ERM-418-May-9350UERM-4 - ERM-4(13.0)19-Jul-9150UGW68-1 - GW68-114-Jul-9450UGW68-1 - GW68-997 (Dup)14-Jul-9450UTN-67 - TN-67-W1-R-07-3,615-May-9050UW67-1 - W67-110-Sep-9250UW67-1 - W67-118-May-9350UW67-1 - W67-110-Sep-9250UW67-1 - W67-118-May-93500UW68-1 - W68-110-Sep-9250UW68-1 - W68-110-Sep-9250UW68-1 - W68-110-Sep-9250UW68-1 - W68-111-Sep-90500UW9-46 - MW009-046(17.0)31-Jul-91320W9-46 - W9-4611-Sep-9250UW9-46 - W9-4610-Sep-9250UW9-46 - W9-4610-Sep-9250UW9-46 - W9-4610-Sep-9250UW9-41 - W91-110-Sep-9250UW91-1 - W91-118-Nov-9250UW91-1 - W91-118-Nay-9350UW91-1 - W91-118-May-9350UW92-14 - W9SC-145-Jun-9759UW9SC-14 - W9SC-145-Jun-9759UW9SC-17 - W9SC-175-Jun-97250U	W91-1 - W91-1	18-May-93	. 50 U
ERM-4 - ERM-4       10-Sep-92       50       U         ERM-4 - ERM-4       18-May-93       50       U         ERM-4 - ERM-4(13.0)       19-Jul-91       50       U         GW68-1 - GW68-1       14-Jul-94       50       U         GW68-1 - GW68-97 (Dup)       14-Jul-94       50       U         TN-67 - TN-67-W1-R-07-3,6       15-May-90       50       U         W67-1 - W67-1       10-Sep-92       50       U         W67-1 - W67-1       18-May-93       50       U         W67-1 - W67-1       10-Sep-92       50       U         W68-1 - W68-1       10-Sep-92       50       U         W68-1 - W68-1       18-May-93       50       U         W68-1 - W68-1       18-May-93       50       U         W68-1 - W68-1       18-May-93       50       U         W68-1 - W68-1       11-Sep-92       50       U         W9-46 - W9-46       11-Sep-92       50       U         W9-46 - W9-46       24-May-93 <td>Chemical Name: KEROSENE-RANGE ORGANIC CO</td> <td>MPOUNDS</td> <td></td>	Chemical Name: KEROSENE-RANGE ORGANIC CO	MPOUNDS	
ERM-4 - ERM-4         18-May-93         50         U           ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W9-46 - MW009-046(17.0)         31-Jul-91         320         U           W9-46 - W9-46         11-Sep-92         50         U           W91-1 - W	Location/Sample ID	Sample Date	<b>Concentration</b>
ERM-4 - ERM-4(13.0)         19-Jul-91         50         U           GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - WT67-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         320         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U<	ERM-4 - ERM-4	10-Sep-92	50 U
GW68-1 - GW68-1         14-Jul-94         50         U           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - W767-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W168-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         320         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         11-Sep-92         50         U           W91-1 - W91-01(27.5)         18-Jun-92         50         U	ERM-4 - ERM-4	18-May-93	50 U
GW68-1 - GW68-99-7 (Dup)         14-Jul-94         50         U           TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - W767-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W67-1 - W767-1(A)-W-15-R-1,3,4         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1         18-May-93         50         U           W9-46 - M909-046(17.0)         31-Jul-91         320           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         10-Sep-92         50         U           W91-1 - W91-01(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U	ERM-4 - ERM-4(13.0)	19-Jul-91	50 U
TN-67 - TN-67-W1-R-07-3,6         15-May-90         50         U           W67-1 - W67-1         10-Sep-92         50         U           W67-1 - W67-1         18-May-93         50         U           W67-1 - W767-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W67-1 - W767-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         320         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         10-Sep-92         50         U           W9-46 - W9-46         10-Sep-92         50         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U </td <td>GW68-1 - GW68-1</td> <td>14-Jul-94</td> <td>50 U</td>	GW68-1 - GW68-1	14-Jul-94	50 U
W67-1         W67-1         10-Sep-92         50         U           W67-1         W67-1         I8-May-93         50         U           W67-1         WT67-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W68-1         W68-1         10-Sep-92         50         U           W68-1         W68-1         10-Sep-92         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1         18-May-93         50         U           W68-1         W68-1         11-Sep-90         500         U           W9-46         MW009-046(17.0)         31-Jul-91         320           W9-46         W9-46         11-Sep-92         50         U           W9-46         W9-46         11-Sep-92         50         U           W9-46         W9-46         24-May-93         50         U           W91-1         W91-001(27.5)         18-Jun-92         50         U           W91-1         W91-1         10-Sep-92         50         U           W91-1         W91-1	GW68-1 - GW68-99-7 (Dup)	14-Jul-94	50 U
W67-1 - W67-1         18-May-93         50         U           W67-1 - WT67-1(A)-W-15-R-1,3,4         11-Sep-90         500         U           W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - WT68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         320         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         10-Sep-92         50         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U	TN-67 - TN-67-W1-R-07-3,6	15-May-90	50 U
W67-1 - WT67-1(A)-W-15-R-1,3,4       11-Sep-90       500       U         W68-1 - W68-1       10-Sep-92       50       U         W68-1 - W68-1       18-May-93       50       U         W68-1 - WT68-1(A)-W-12-R-1,2,3,4       11-Sep-90       500       U         W9-46 - MW009-046(17.0)       31-Jul-91       320         W9-46 - W9-46       11-Sep-92       50       U         W9-46 - W9-46       10-Sep-92       50       U         W91-1 - W91-001(27.5)       18-Jun-92       50       U         W91-1 - W91-1       10-Sep-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-May-93       50       U         W9SC-14 - W9SC-14 <t< td=""><td>W67-1 - W67-1</td><td>10-Sep-92</td><td>50 U</td></t<>	W67-1 - W67-1	10-Sep-92	50 U
W68-1 - W68-1         10-Sep-92         50         U           W68-1 - W68-1         18-May-93         50         U           W68-1 - W768-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46 - MW009-046(17.0)         31-Jul-91         320           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W9-46 - W9-46         24-May-93         50         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           W92-14 - W9SC-14         5-Jun-97         59         U           W9SC-14 - W9SC-17	W67-1 - W67-1	18-May-93	50 U
W68-1         W68-1         18-May-93         50         U           W68-1         WT68-1(A)-W-12-R-1,2,3,4         11-Sep-90         500         U           W9-46         MW009-046(17.0)         31-Jul-91         320           W9-46         W9-46         W9-46         11-Sep-92         50         U           W9-46         W9-46         W9-46         24-May-93         50         U           W9-46         W9-46         24-May-93         50         U           W91-1         W91-001(27.5)         18-Jun-92         50         U           W91-1         W91-1         10-Sep-92         50         U           W91-1         W91-1         18-Nov-92         50         U           W91-1         W91-1         18-May-93         50         U           W91-1         W91-1         18-May-93         50         U           W91-1         W91-1         W91-1         10-W1         10-W1         10-W1 <td>W67-1 - WT67-1(A)-W-15-R-1,3,4</td> <td>11-Sep-90</td> <td>500 U</td>	W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	500 U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4       11-Sep-90       500       U         W9-46 - MW009-046(17.0)       31-Jul-91       320         W9-46 - W9-46       11-Sep-92       50       U         W9-46 - W9-46       24-May-93       50       U         W9-46 - W9-46       10-Sep-92       50       U         W91-1 - W91-001(27.5)       18-Jun-92       50       U         W91-1 - W91-1       10-Sep-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-May-93       50       U         W92-14 - W9SC-14       5-Jun-97       59       U         W9SC-14 - W9SC-17       5-Jun-97	W68-1 - W68-1	10-Sep-92	50 U
W9-46 - MW009-046(17.0)       31-Jul-91       320         W9-46 - W9-46       11-Sep-92       50       U         W9-46 - W9-46       24-May-93       50       U         W91-1 - W91-001(27.5)       18-Jun-92       50       U         W91-1 - W91-1       10-Sep-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-May-93       50       U         W9SC-14 - W9SC-14       5-Jun-97       59       U         W9SC-14 - W9SC-14       4-Aug-97       6       U         W9SC-17 - W9SC-17       5-Jun-97       250 <td>W68-1 - W68-1</td> <td>18-May-93</td> <td>50 U</td>	W68-1 - W68-1	18-May-93	50 U
W9-46 - W9-46         11-Sep-92         50         U           W9-46 - W9-46         24-May-93         50         U           W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W9SC-14 - W9SC-14         5-Jun-97         59         U           W9SC-14 - W9SC-17         4-Aug-97         6         U           W9SC-17 - W9SC-17         5-J	W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	500 U
W9-46 - W9-46       24-May-93       50       U         W91-1 - W91-001(27.5)       18-Jun-92       50       U         W91-1 - W91-1       10-Sep-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-Nov-92       50       U         W91-1 - W91-1       18-May-93       50       U         Chemical Name:       METHYL TERTIARY BUTYL ETHER       50       U         W9SC-14 - W9SC-14       5-Jun-97       59       U         W9SC-14 - W9SC-14       4-Aug-97       6       U         W9SC-17 - W9SC-17       5-Jun-97       250       U	W9-46 - MW009-046(17.0)	31-Jul-91	320
W91-1 - W91-001(27.5)         18-Jun-92         50         U           W91-1 - W91-1         10-Sep-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-Nov-92         50         U           W91-1 - W91-1         18-May-93         50         U           W91-1 - W91-1         18-May-93         50         U           Chemical Name:         METHYL TERTIARY BUTYL ETHER         50         U           W9SC-14 - W9SC-14         5-Jun-97         59         U           W9SC-14 - W9SC-14         4-Aug-97         6         U           W9SC-17 - W9SC-17         5-Jun-97         250         U	W9-46 - W9-46	11-Sep-92	50 U
W91-1 - W91-1       10-Sep-92       50 U         W91-1 - W91-1       18-Nov-92       50 UJ-K         W91-1 - W91-1       18-May-93       50 U         Chemical Name: METHYL TERTIARY BUTYL ETHER         Location/Sample ID       Sample Date       Concentration         W9SC-14 - W9SC-14       5-Jun-97       59 U         W9SC-14 - W9SC-14       4-Aug-97       6 U         W9SC-17 - W9SC-17       5-Jun-97       250 U	W9-46 - W9-46	24-May-93	50 U
W91-1 - W91-1         18-Nov-92         50 UJ-K           W91-1 - W91-1         18-May-93         50 U           Chemical Name:         METHYL TERTIARY BUTYL ETHER         Concentration           Location/Sample ID         Sample Date         Concentration           W9SC-14 - W9SC-14         5-Jun-97         59 U           W9SC-14 - W9SC-14         4-Aug-97         6 U           W9SC-17 - W9SC-17         5-Jun-97         250 U	W91-1 - W91-001(27.5)	1 <b>8-Jun-92</b>	50 U
W91-1 - W91-1         18-May-93         50 U           Chemical Name:         METHYL TERTIARY BUTYL ETHER         Concentration           Location/Sample ID         Sample Date         Concentration           W9SC-14 - W9SC-14         5-Jun-97         59 U           W9SC-14 - W9SC-14         4-Aug-97         6 U           W9SC-17 - W9SC-17         5-Jun-97         250 U	W91-1 - W91-1	10-Sep-92	50 U
Chemical Name: METHYL TERTIARY BUTYL ETHERLocation/Sample IDSample DateConcentrationW9SC-14 - W9SC-145-Jun-9759UW9SC-14 - W9SC-144-Aug-976UW9SC-17 - W9SC-175-Jun-97250U	W91-1 - W91-1	18-Nov-92	50 UJ-K
Location/Sample ID         Sample Date         Concentration           W9SC-14 - W9SC-14         5-Jun-97         59         U           W9SC-14 - W9SC-14         4-Aug-97         6         U           W9SC-17 - W9SC-17         5-Jun-97         250         U	W91-1 - W91-1	18-May-93	50 U
W9SC-14 - W9SC-14       5-Jun-97       59       U         W9SC-14 - W9SC-14       4-Aug-97       6       U         W9SC-17 - W9SC-17       5-Jun-97       250       U	Chemical Name: METHYL TERTIARY BUTYL ETH	ER	
W9SC-14 - W9SC-14         4-Aug-97         6         U           W9SC-17 - W9SC-17         5-Jun-97         250         U	Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
W9SC-17 - W9SC-17 5-Jun-97 250 U	W9SC-14 - W9SC-14	5-Jun-97	59 U
	W9SC-14 - W9SC-14	4-Aug-97	<u>6 U</u>
W9SC-17 - W9SC-17         4-Aug-97         18         U	W9SC-17 - W9SC-17		250 U
	W9SC-17 - W9SC-17	4-Aug-97	18 U

# MOFFETT FEÐERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

# (Concentrations in micrograms per liter)

Chemical Name: MOTOR OIL-RANGE ORGANIC COM	POUNDS		
Location/Sample ID	Sample Date	<u>Concentrati</u>	on .
ERM-4 - ERM-4	10-Sep-92	500	U
ERM-4 - ERM-4	18-May-93	500	U
ERM-4 - ERM-4(13.0)	19-Jul-91	500	U
GW68-1 - GW68-1	14-Jul-94	500	U
GW68-1 - GW68-99-7 (Dup)		500	U
TN-67 - TN-67-W1-R-07-3,6	15-May-90	500	U
W67-1 - W67-1	10-Sep-92	500	U
W67-1 - W67-1	18-May-93	500	U
W68-1 - W68-1	10-Sep-92	500	Ū
W68-1 - W68-1	18-May-93	500	U
W9-46 - MW009-046(17.0)	31-Jul-91	500	U
W9-46 - W9-46	11-Sep-92	500	Ū
W9-46 - W9-46	24-May-93	500	Ū
W91-1 - W91-001(27.5)	18-Jun-92	500	Ū
W91-1 - W91-1	10-Sep-92	500	Ū
W91-1 - W91-1	18-Nov-92	500	Ŭ
W91-1 - W91-1	18-May-93	500	U
Chemical Name: NAPHTHALENE			
Location/Sample ID	Sample Date	Concentrati	on
GW68-1 - GW68-1	14-Jul-94	10	U
GW68-1 - GW68-99-7 (Dup)	1 <b>4-J</b> ul-94	10	Ū
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	20	Ū
W91-1 - W91-001(27.5)	18-Jun-92	10	U
Chemical Name: OTHER HEAVY TPH COMPONENTS			
Location/Sample ID	Sample Date	<u>Concentrati</u>	on
ERM-4 - ERM-4	10-Sep-92	50	U
ERM-4 - ERM-4	18-May-93	50	Ū
GW68-1 - GW68-1	14-Jul-94	50	Ū
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	50	Ū
W67-1 - W67-1	4-Mar-92	500	Ū
W67-1 - W67-1	8-Jun-92	500	Ū
W67-1 - W67-1	10-Sep-92	50	U
W67-1 - W67-1	18-May-93	50	Ŭ
W68-1 - W68-1	12-Feb-92	500	Ū
W68-1 - W68-1	8-Jun-92	500	Ŭ
W68-1 - W68-1	10-Sep-92	50	U
W68-1 - W68-1	18-May-93	50	U
W68-1 - W68-99-01 (Dup)	12-Feb-92	500	U
W9-46 - W9-46	28-Feb-92	500	Ŭ
W9-46 - W9-46	15-Jun-92	500	U
W9-46 - W9-46	11-Sep-92	50	U
W9-46 - W9-46	24-May-93	50	U
W9-46 - W9-99-05 (Dup)	28-Feb-92	500	U
(µµµ)	20-100-72	500	v

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

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## (Concentrations in micrograms per liter)

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$\begin{array}{c c c c c c c c c c c c c c c c c c c $
W91-1 - W91-1         18-Nov-92         8 J-N           W91-1 - W91-1         18-May-93         50         U           Chemical Name:         OTHER LIGHT TPH COMPONENTS         Concentration           ERM-4 - ERM-4         10-Sep-92         2600         J-N           ERM-4 - ERM-4         10-Sep-92         2600         J-N           GW68-1 - GW68-1         14-Jul-94         330         Z           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         330         Z           W67-1 - W67-1         4-Mar-92         500         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         10-Sep-92         670         J-N           W67-1 - W67-1         10-Sep-92         500         U           W67-1 - W67-1         10-Sep-92         500         U           W68-1 - W68-1         12-Feb-92         500         U           W68-1 - W68-1         10-Sep-92         340         J-N           W68-1 - W68-1         10-Sep-92         500         U           W68-1 - W68-1         10-Sep-92         500         U           W68-1 - W68-1         18-May-93         220         J-T           W68-1 - W68-1
W91-1 - W91-1         18-May-93         50         U           Chemical Name:         OTHER LIGHT TPH COMPONENTS         Sample Date         Concentration           ERM-4 - ERM-4         10-Sep-92         2600         J-N           ERM-4 - ERM-4         10-Sep-92         2600         J-N           ERM-4 - ERM-4         18-May-93         1700         J-T           GW68-1 - GW68-1         14-Jul-94         330         Z           GW68-1 - GW68-99-7 (Dup)         14-Jul-94         350         Z           W67-1 - W67-1         4-Mar-92         500         U           W67-1 - W67-1         8-Jun-92         500         U           W67-1 - W67-1         10-Sep-92         670         J-N           W67-1 - W67-1         10-Sep-92         500         U           W68-1 - W68-1         12-Feb-92         500         U           W68-1 - W68-1         10-Sep-92         500         U           W68-1 - W68-1         10-Sep-92         340         J-N           W68-1 - W68-1         10-Sep-92         500         U           W68-1 - W68-1         10-Sep-92         500         U           W68-1 - W68-1         10-Sep-92         500         U
Location/Sample IDSample DateConcentrationERM-4 - ERM-410-Sep-92 $2600$ J-NERM-4 - ERM-418-May-93 $1700$ J-TGW68-1 - GW68-114-Jul-94 $330$ ZGW68-1 - GW68-99-7 (Dup)14-Jul-94 $350$ ZW67-1 - W67-14-Mar-92 $500$ UW67-1 - W67-18-Jun-92 $500$ UW67-1 - W67-110-Sep-92 $670$ J-NW67-1 - W67-110-Sep-92 $670$ J-NW67-1 - W67-112-Feb-92 $500$ UW68-1 - W68-112-Feb-92 $500$ UW68-1 - W68-110-Sep-92 $340$ J-NW68-1 - W68-110-Sep-92 $340$ J-NW68-1 - W68-110-Sep-92 $500$ UW68-1 - W68-110-Sep-92 $500$ UW68-1 - W68-110-Sep-92 $500$ UW68-1 - W68-111-Sep-92 $500$ UW9-46 - W9-4615-Jun-92 $500$ UW9-46 - W9-4615-Jun-92 $500$ UW9-46 - W9-4615-Jun-92 $500$ UW9-46 - W9-4611-Sep-92 $780$ J-N
ERM-4 - ERM-410-Sep-922600J-NERM-4 - ERM-418-May-931700J-TGW68-1 - GW68-114-Jul-94330ZGW68-1 - GW68-99-7 (Dup)14-Jul-94350ZW67-1 - W67-14-Mar-92500UW67-1 - W67-18-Jun-92500UW67-1 - W67-110-Sep-92670J-NW67-1 - W67-110-Sep-92670J-NW67-1 - W67-110-Sep-92500UW67-1 - W67-110-Sep-92500UW68-1 - W68-112-Feb-92500UW68-1 - W68-110-Sep-92340J-NW68-1 - W68-110-Sep-92340J-NW68-1 - W68-110-Sep-92500UW68-1 - W68-110-Sep-92500UW68-1 - W68-112-Feb-92500UW68-1 - W68-110-Sep-92500UW9-46 - W9-4628-Feb-92500UW9-46 - W9-4615-Jun-92500UW9-46 - W9-4615-Jun-92500UW9-46 - W9-4615-Jun-92500UW9-46 - W9-4615-Jun-92500UW9-46 - W9-4611-Sep-92780J-N
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GW68-1 - GW68-1       14-Jul-94       330       Z         GW68-1 - GW68-99-7 (Dup)       14-Jul-94       350       Z         W67-1 - W67-1       4-Mar-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       8-Jun-92       500       U         W67-1 - W67-1       10-Sep-92       670       J-N         W67-1 - W67-1       10-Sep-92       670       J-N         W67-1 - W67-1       10-Sep-92       500       U         W67-1 - W67-1       10-Sep-92       500       U         W68-1 - W68-1       12-Feb-92       500       U         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       500       U         W68-1 - W68-1       12-Feb-92       500       U         W68-1 - W68-1       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-S
W67-1 - W67-1       4-Mar-92       500 U         W67-1 - W67-1       8-Jun-92       500 U         W67-1 - W67-1       10-Sep-92       670 J-N         W67-1 - W67-1       10-Sep-92       670 J-N         W67-1 - W67-1       10-Sep-92       500 U         W67-1 - W67-1       10-Sep-92       500 U         W67-1 - W67-1       18-May-93       580 J-T         W68-1 - W68-1       12-Feb-92       500 U         W68-1 - W68-1       8-Jun-92       500 U         W68-1 - W68-1       10-Sep-92       340 J-N         W68-1 - W68-1       10-Sep-92       340 J-N         W68-1 - W68-1       10-Sep-92       500 U         W68-1 - W68-1       10-Sep-92       500 U         W68-1 - W68-1       10-Sep-92       500 U         W68-1 - W68-1       12-Feb-92       500 U         W68-1 - W68-90-01 (Dup)       12-Feb-92       500 U         W9-46 - W9-46       28-Feb-92       500 U         W9-46 - W9-46       15-Jun-92       500 U         W9-46 - W9-46       11-Sep-92       780 J-N
W67-1 - W67-14-Mar-92500U $W67-1 - W67-1$ 8-Jun-92500U $W67-1 - W67-1$ 10-Sep-92670J-N $W67-1 - W67-1$ 18-May-93580J-T $W68-1 - W68-1$ 12-Feb-92500U $W68-1 - W68-1$ 8-Jun-92500U $W68-1 - W68-1$ 10-Sep-92340J-N $W68-1 - W68-1$ 10-Sep-92340J-N $W68-1 - W68-1$ 10-Sep-92500U $W68-1 - W68-1$ 10-Sep-92500U $W68-1 - W68-1$ 10-Sep-92500U $W68-1 - W68-99-01$ (Dup)12-Feb-92500U $W9-46 - W9-46$ 28-Feb-92500U $W9-46 - W9-46$ 15-Jun-92500U $W9-46 - W9-46$ 11-Sep-92780J-N $W9-46 - W9-46$ 11-Sep-92780J-N
W67-1 - W67-1         10-Sep-92         670         J-N           W67-1 - W67-1         18-May-93         580         J-T           W67-1 - W67-1         18-May-93         580         J-T           W68-1 - W68-1         12-Feb-92         500         U           W68-1 - W68-1         8-Jun-92         500         U           W68-1 - W68-1         10-Sep-92         340         J-N           W68-1 - W68-99-01 (Dup)         12-Feb-92         500         U           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         780         J-N
W67-1 - W67-1       10-Sep-92       670       J-N         W67-1 - W67-1       18-May-93       580       J-T         W68-1 - W68-1       12-Feb-92       500       U         W68-1 - W68-1       8-Jun-92       500       U         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       500       U         W68-1 - W68-1       10-Sep-92       500       U         W68-1 - W68-1       10-Sep-92       500       U         W68-1 - W68-99-01 (Dup)       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-Sep-92       780       J-N
W67-1 - W67-1       18-May-93       580       J-T         W68-1 - W68-1       12-Feb-92       500       U         W68-1 - W68-1       8-Jun-92       500       U         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-99-01 (Dup)       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-Sep-92       780       J-N
W68-1 - W68-1       12-Feb-92       500       U         W68-1 - W68-1       8-Jun-92       500       U         W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       18-May-93       220       J-T         W68-1 - W68-99-01 (Dup)       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-Sep-92       780       J-N
W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       18-May-93       220       J-T         W68-1 - W68-99-01 (Dup)       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-Sep-92       780       J-N
W68-1 - W68-1       10-Sep-92       340       J-N         W68-1 - W68-1       18-May-93       220       J-T         W68-1 - W68-99-01 (Dup)       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-Sep-92       780       J-N
W68-1 - W68-1         18-May-93         220         J-T           W68-1 - W68-99-01 (Dup)         12-Feb-92         500         U           W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         780         J-N
W68-1 - W68-99-01 (Dup)       12-Feb-92       500       U         W9-46 - W9-46       28-Feb-92       500       U         W9-46 - W9-46       15-Jun-92       500       U         W9-46 - W9-46       11-Sep-92       780       J-N
W9-46 - W9-46         28-Feb-92         500         U           W9-46 - W9-46         15-Jun-92         500         U           W9-46 - W9-46         11-Sep-92         780         J-N
W9-46 - W9-4615-Jun-92500 UW9-46 - W9-4611-Sep-92780 J-N
<u>W9-46 - W9-46</u> <u>11-Sep-92</u> 780 J-N
24-iviay-95 1200 J-1
W9-46 - W9-46 9-Dec-93 420
W9-46 - W9-99-05 (Dup) 28-Feb-92 500 U
<u>W91-1 - W91-001(27.5)</u> 18-Jun-92 0.5 U
W91-1 - W91-1 10-Sep-92 790 J-N
<u>W91-1 - W91-1</u> 18-Nov-92 1100 J-N
W91-1 - W91-1 18-May-93 770 J-T
Chemical Name: TOLUENE
Location/Sample ID Sample Date Concentration
ERM-4 - ERM-4 10-Sep-92 0.5 U
ERM-4 - ERM-4 10-Sep-92 400 U
ERM-4 - ERM-4 18-May-93 0.5 U
ERM-4 - ERM-4 50 U
ERM-4 - ERM-4 17-Sep-93 250 U
ERM-4 - ERM-4 (3/20/87) 20-Mar-87 2 U
ERM-4 - ERM-4(13.0) 19-Jul-91 0.5 U
ERM-4 - ERM-4(13.0) 19-Jul-91 1000 U
GW68-1 - GW68-1 0.5 U
<u>GW68-1 - GW68-1</u> 14-Jul-94 2 U
GW68-1 - GW68-99-7 (Dup) 14-Jul-94 0.5 U
GW68-1 - GW68-99-7 (Dup) 14-Jul-94 2 U

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

# (Concentrations in micrograms per liter)

Chemical Name: TOLUENE			
Location/Sample ID	Sample Date	<b>Concentration</b>	
TN-67 - TN-67-W1-R-07-1	15-May-90	5	U
W67-1 - W67-1	15-Nov-91	0.3	U
W67-1 - W67-1	15-Nov-91	50	U
W67-1 - W67-1	4-Mar-92	50	U
W67-1 - W67-1	8-Jun-92	5	U
W67-1 - W67-1	10-Sep-92	0.5	U
W67-1 - W67-1	10-Sep-92	100	U
W67-1 - W67-1	18-May-93	0.5	U
W67-1 - W67-1	18-May-93	10	U
W67-1 - W67-1(10.8)	24-Jul-91	125	U
W67-1 - W67-1(10.8)	24-Jul-91	300	U
W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	. 5	U
W68-1 - W68-1	15-Nov-91	0.3	U
W68-1 - W68-1	15-Nov-91	25	U
W68-1 - W68-1	12-Feb-92	10	U
W68-1 - W68-1	8-Jun-92	5	U
W68-1 - W68-1	10-Sep-92	0.5	U
W68-1 - W68-1	10-Sep-92	50	U
W68-1 - W68-1	18-May-93	0.5	υ
W68-1 - W68-1	18-May-93	3	U
W68-1 - W68-1(16.2)	24-Jul-91	0.6	U
W68-1 - W68-1(16.2)	24-Jul-91		U
W68-1 - W68-99-01 (Dup)	12-Feb-92	5	U
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	5	U
W9-46 - MW009-046(17.0)	31-Jul-91	0.5	U
W9-46 - MW009-046(17.0)	31-Jul-91	200	U
W9-46 - W9-46	5-Nov-91	0.3	U
W9-46 - W9-46	5-Nov-91	50	U
W9-46 - W9-46	28-Feb-92	50	U
W9-46 - W9-46	15-Jun-92	50	<u>U</u>
W9-46 - W9-46	11-Sep-92	0.5	U
W9-46 - W9-46	11-Sep-92	120	U
W9-46 - W9-46	24-May-93	4	
W9-46 - W9-46	24-May-93	10	<u> </u>
W9-46 - W9-46	9-Dec-93	0.5	U
<u>W9-46 - W9-46</u>	9-Dec-93	100	U
W9-46 - W9-99-05 (Dup)	28-Feb-92	50	U
W91-1 - W91-001(27.5)	18-Jun-92	0.5	U
W91-1 - W91-001(27.5)	18-Jun-92	2	U
W91-1 - W91-1	10-Sep-92	0.5	<u> </u>
W91-1 - W91-1	10-Sep-92	170	U
W91-1 - W91-1	18-Nov-92	0.5	U
W91-1 - W91-1	18-Nov-92	33	U

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA (Concentrations in micrograms per liter)

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Chemical Name: TOLUENE		
Location/Sample ID	Sample Date	<u>Concentration</u>
W91-1 - W91-1	18-May-93	0.5 U
W91-1 - W91-1	18-May-93	<u>20 U</u>
W9SC-14 - W9SC-14	5-Jun-97	59 U
W9SC-14 - W9SC-14	4-Aug-97	<u>6 U</u>
W9SC-17 - W9SC-17	5 <b>-</b> Jun-97	250 U
W9SC-17 - W9SC-17	4-Aug-97	18 U
Chemical Name: XYLENE		
Location/Sample	Sample Date	<u>Concentration</u>
ERM-4 - ERM-4	10-Sep-92	0.5 U
ERM-4 - ERM-4	10-Sep-92	<u>400 U</u>
ERM-4 - ERM-4	18-May-93	0.5 U
ERM-4 - ERM-4	18-May-93	<u>50 U</u>
ERM-4 - ERM-4	17-Sep-93	250 U
ERM-4 - ERM-4 (3/20/87)	20-Mar-87	<u> </u>
ERM-4 - ERM-4(13.0)	19-Jul-91	0.5 U
ERM-4 - ERM-4(13.0)	19-Jul-91	1000 U
GW68-1 - GW68-1	14-Jul-94	0.5 U
GW68-1 - GW68-1	<u>14-Jul-94</u>	<u>2 U</u>
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	0.5 U
GW68-1 - GW68-99-7 (Dup)	14-Jul-94	2 U
TN-67 - TN-67-W1-R-07-1	15 <b>-M</b> ay-90	5 U
W67-1 - W67-1	<u>15-Nov-91</u>	0.6 U
W67-1 - W67-1	15-Nov-91	50 U
W67-1 - W67-1	4-Mar-92	50 U
W67-1 - W67-1	8-Jun-92	5 U
W67-1 - W67-1	<u>10-Sep-92</u>	<u> </u>
W67-1 - W67-1	10-Sep-92	100 U
W67-1 - W67-1	18-May-93	<u> </u>
W67-1 - W67-1	18-May-93	10 U
W67-1 - W67-1(10.8)	24-Jul-91	125 U
W67-1 - W67-1(10.8)	24-Jul-91	300 U
W67-1 - WT67-1(A)-W-15-R-1,3,4	11-Sep-90	<u>5 U</u>
W68-1 - W68-1	15-Nov-91	0.6 U
W68-1 - W68-1	15-Nov-91	<u>25 U</u>
W68-1 - W68-1	12-Feb-92	10 U
W68-1 - W68-1	8-Jun-92	<u>5 U</u>
W68-1 - W68-1	10-Sep-92	0.5 U
W68-1 - W68-1	10-Sep-92	<u>50 U</u>
W68-1 - W68-1	18-May-93	0.5 U
W68-1 - W68-1	18-May-93	<u>3</u> U
W68-1 - W68-1(16.2)	24-Jul-91	0.6 U
W68-1 - W68-1(16.2)	24-Jul-91	12 U
W68-1 - W68-99-01 (Dup)	12-Feb-92	5 U
W00-1 • W00-22-01 (July)		

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# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 66, 67, 68, AND 91 GROUNDWATER DATA

#### (Concentrations in micrograms per liter)

Chemical Name: XYLENE			
Location/Sample	Sample Date	<b>Concentration</b>	
W68-1 - WT68-1(A)-W-12-R-1,2,3,4	11-Sep-90	5	U
W9-46 - MW009-046(17.0)	<b>31-Jul-9</b> 1	0.5	U
W9-46 - MW009-046(17.0)	31-Jul-91	200	U
W9-46 - W9-46	5-Nov-91	0.6	U
W9-46 - W9-46	5-Nov-91	50	U
W9-46 - W9-46	28-Feb-92	50	U
W9-46 - W9-46	15-Jun-92	50	U
W9-46 - W9-46	11-Sep-92	0.5	U
W9-46 - W9-46	11-Sep-92	120	U
W9-46 - W9-46	24-May-93	3	
W9-46 - W9-46	24-May-93	10	U
W9-46 - W9-46	9-Dec-93	0.5	U
W9-46 - W9-46	9-Dec-93	100	U
W9-46 - W9-99-05 (Dup)	28-Feb-92	50	U
W91-1 - W91-001(27.5)	18-Jun-92	0.5	U
W91-1 - W91-001(27.5)	18-Jun-92	2	U
W91-1 - W91-1	10-Sep-92	0.5	U
W91-1 - W91-1	10-Sep-92	170	U
W91-1 - W91-1	18-Nov-92	0.5	UJ-T
W91-1 - W91-1	18-Nov-92	33	U
W91-1 - W91-1	18-May-93	0.5	U
W91-1 - W91-1	1 <b>8-May-9</b> 3	20	U
W9SC-14 - W9SC-14	5-Jun-97	59	U
W9SC-14 - W9SC-14	4-Aug-97	6	U
W9SC-17 - W9SC-17	5-Jun-97	250	U
W9SC-17 - W9SC-17	4-Aug-97	18	U

Notes:

- D Compounds identified in an analysis at a secondary dilution factor.
- G Value is estimated because the value is below the Contract Required Quantitation Limit but above the 5 or 10 times rule for blank contamination.
- J The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- K Value is estimated because calibration or Gas Chromatography/Mass Spectrometer tuning criteria were out of quality control limits.
- N Spiked sample recovery not within control limits.
- T Value is estimated because a target compound was only tentatively identified.
- U Analyzed for but not detected (report value is detection limit).
- Z Unknown single peak or pattern was detected, but did not resemble a typical fuel pattern.
- Dup Duplicate sample

# MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 69 SOIL DATA

(Concentrations in milligrams per kilogram)

Chemical Name: 2-METHYLNAPHTHA	LENE		<b>_</b>
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.41 U
Chemical Name: BENZENE		_	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.0004 BJ
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.006 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.006 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.012 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	0.0007 J
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	0.006 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	0.006 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	0.012 U
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	0:00061 U
Chemical Name: BENZO(A)PYRENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.41 U
Chemical Name: DIESEL-RANGE ORG	ANIC COMPOUN	DS	
Location/Sample_ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	<u>6</u>	14-Jul-95	1.2 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	1.3 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	1.2 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	1.2 U
<u>SBT69-2 - SBT69-2(8.0)</u>	8	8-Aug-95	12 U
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.006 U
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.012 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.006 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.012 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	0.006 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	0.012 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	0.006 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	0.012 U
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	0.00061 U
Chemical Name: GASOLINE-RANGE (	DRGANIC COMPO	UNDS	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	1.2 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	1.2 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	1.2 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	1.2 Ŭ
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	0.61 U
Chemical Name: JP5-RANGE ORGAN			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	1.2 U

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#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT

TANK 69

#### SOIL DATA

(Concentrations in milligrams per kilogram)

Chemical Name: JP5-RANGE OR	GANIC COMPOUND	S	
Location/Sample ID	Sample Depth ¹	<u>Sample Date</u>	<b>Concentration</b>
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	1.3 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	1.2 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	1.2 U
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	12 U
	NGE ORGANIC COM		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	1.2 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	1.3 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	1.2 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	1.2 U
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	12 U
	ANGE ORGANIC CO		
Location/Sample ID	<u>Sample Depth ¹</u>	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	12 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	13 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	12 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	12 U
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	12 U
Chemical Name: NAPHTHALEN	E		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.41 U
Chemical Name: OTHER HEAVY	TPH COMPONENT	s	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	1.2 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	1.3 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	1.2 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	1.2 U
Chemical Name: OTHER LIGHT	TPH COMPONENTS		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	1.2 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	1.2 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	1.2 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	1.2 U
Chemical Name: TOLUENE			
Chemical Name: TOLUENE	Sample Depth ¹	Sample Date	Concentration
Chemical Name: TOLUENE Location/Sample ID	Sample Depth ¹	Sample Date	Concentration
Chemical Name: TOLUENE <u>Location/Sample ID</u> GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.0007 J
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-01 - GPT69-01(6.0)	6 6	14-Jul-95 14-Jul-95	0.0007 J 0.006 U
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-02 - GPT69-2(6.5)	6 6 6.5	14-Jul-95 14-Jul-95 7-Jul-95	0.0007 J 0.006 U 0.006 U
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-02 - GPT69-01(6.0)           GPT69-02 - GPT69-2(6.5)         GPT69-02 - GPT69-2(6.5)	6 6 6.5 6.5	14-Jul-95 14-Jul-95 7-Jul-95 7-Jul-95	0.0007 J 0.006 U 0.006 U 0.012 U
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-02 - GPT69-01(6.0)           GPT69-02 - GPT69-2(6.5)         GPT69-02 - GPT69-2(6.5)           GPT69-03 - GPT69-03(6.5)         GPT69-03 - GPT69-03(6.5)	6 6 6.5 6.5 6.5	14-Jul-95 14-Jul-95 7-Jul-95 7-Jul-95 14-Jul-95	0.0007 J 0.006 U 0.006 U 0.012 U 0.001 J
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-02 - GPT69-2(6.5)           GPT69-02 - GPT69-2(6.5)         GPT69-03 - GPT69-2(6.5)           GPT69-03 - GPT69-03(6.5)         GPT69-03 - GPT69-03(6.5)	6 6 6.5 6.5 6.5 6.5 6.5	14-Jul-95 14-Jul-95 7-Jul-95 7-Jul-95 14-Jul-95 14-Jul-95	0.0007 J 0.006 U 0.006 U 0.012 U 0.001 J 0.006 U
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-02 - GPT69-01(6.0)           GPT69-02 - GPT69-2(6.5)         GPT69-02 - GPT69-2(6.5)           GPT69-03 - GPT69-03(6.5)         GPT69-03 - GPT69-03(6.5)	6 6 6.5 6.5 6.5	14-Jul-95 14-Jul-95 7-Jul-95 7-Jul-95 14-Jul-95	0.0007 J 0.006 U 0.006 U 0.012 U 0.001 J
Chemical Name:         TOLUENE           Location/Sample ID         GPT69-01 - GPT69-01(6.0)           GPT69-01 - GPT69-01(6.0)         GPT69-02 - GPT69-2(6.5)           GPT69-02 - GPT69-2(6.5)         GPT69-02 - GPT69-2(6.5)           GPT69-03 - GPT69-03(6.5)         GPT69-03 - GPT69-03(6.5)	6 6 6.5 6.5 6.5 6.5 6.5	14-Jul-95 14-Jul-95 7-Jul-95 7-Jul-95 14-Jul-95 14-Jul-95	0.0007 J 0.006 U 0.006 U 0.012 U 0.001 J 0.006 U

#### TABLE 23 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 69 SOIL DATA

#### (Concentrations in milligrams per kilogram)

Chemical Name: XYLENE		(	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.006 U
GPT69-01 - GPT69-01(6.0)	6	14-Jul-95	0.012 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.006 U
GPT69-02 - GPT69-2(6.5)	6.5	7-Jul-95	0.012 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	0.006 U
GPT69-03 - GPT69-03(6.5)	6.5	14-Jul-95	0.012 U
GPT69-04 - GPT69-04(5.0)	5	17-Jul-95	0.006 U
GPT69-04 - GPT69-04(5.0)	5	17 <b>-Ju</b> l-95	0.012 U
SBT69-2 - SBT69-2(8.0)	8	8-Aug-95	0.00061 U

Notes:

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B - Organic analyte found in the associated blank as well as the sample.

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit)

Dup - Duplicate sample

1 - Feet below ground surface

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 69 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: 2-METHYLNAPHTHALENE	2	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-02 - GWT69-2	7-Jul-95	10 U
WT69-1 - WT69-1	21-Aug-96	10 U
WT69-1 - WT69-1	19-Nov-96	10 U
Chemical Name: BENZENE	- H- 400	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-01 - GWT69-01	14-Jul-95	0.06 J
GPT69-01 - GWT69-01	14-Jul-95	0.5 U
GPT69-02 - GWT69-2	7-Jul-95	0.5 U
GPT69-02 - GWT69-2	7-Jul-95	2 U
GPT69-03 - GWT69-03	14-Jul-95	0.5 U
GPT69-03 - GWT69-03	14-Jul-95	2 U
GPT69-04 - GWT69-04	17-Jul-95	0.5 U
GPT69-04 - GWT69-04	17-Jul-95	2 U
WT69-1 - WT69-1	11-Aug-95	0.5 U
WT69-1 - WT69-1	11-Aug-95	10 U
WT69-1 - WT69-1	21-Feb-96	0.5 U
WT69-1 - WT69-1	21-Aug-96	0.5 U
WT69-1 - WT69-1	19-Nov-96	0.5 U
WT69-1 - WT69-1	27-Aug-99	1 U
Chemical Name: BENZO(A)PYRENE	e e	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-02 - GWT69-2	7-Jul-95	10 U
WT69-1 - WT69-1	21-Aug-96	10 U
WT69-1 - WT69-1	19-Nov-96	10 U
Chemical Name: DIESEL-RANGE ORGANIC	COMPOUNDS	
Location/Sample_ID	Sample Date	<u>Concentration</u>
GPT69-01 - GWT69-01	14-Jul-95	50 U
GPT69-02 - GWT69-2		
	7-Jul-95	50 U
GPT69-03 - GWT69-03	7-Jul-95 14-Jul-95	50 U 50 U
GPT69-03 - GWT69-03	14-Jul-95	50 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04	14-Jul-95 17-Jul-95	50 U 50 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1	14-Jul-95 17-Jul-95 11-Aug-95	50 U 50 U 100 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96	50 U 50 U 100 U 100 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96	50 U 50 U 100 U 100 U 100 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96	50 U 50 U 100 U 100 U 100 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 Chemical Name: ETHYLBENZENE	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96 19-Nov-96	50 U 50 U 100 U 100 U 100 U 100 U 100 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 Chemical Name: ETHYLBENZENE Location/Sample ID	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96 19-Nov-96 Sample Date	50 U 50 U 100 U 100 U 100 U 100 U 100 U <b>Concentration</b>
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 Chemical Name: ETHYLBENZENE Location/Sample ID GPT69-01 - GWT69-01	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96 19-Nov-96 <u>Sample Date</u> 14-Jul-95	50 U 50 U 100 U 100 U 100 U 100 U 100 U <b>Concentration</b> 0.5 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 Chemical Name: ETHYLBENZENE Location/Sample ID GPT69-01 - GWT69-01 GPT69-01 - GWT69-01	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96 19-Nov-96 <u>Sample Date</u> 14-Jul-95 14-Jul-95	50 U 50 U 100 U 100 U 100 U 100 U <u>Concentration</u> 0.5 U 2 U
GPT69-03 - GWT69-03 GPT69-04 - GWT69-04 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 WT69-1 - WT69-1 Chemical Name: ETHYLBENZENE Location/Sample ID GPT69-01 - GWT69-01 GPT69-02 - GWT69-2	14-Jul-95 17-Jul-95 11-Aug-95 21-Feb-96 21-Aug-96 19-Nov-96 <b>Sample Date</b> 14-Jul-95 14-Jul-95 7-Jul-95	50         U           50         U           100         U           0.5         U           2         U           0.5         U

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### **TABLE 24 (Continued)**

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 69 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: ETHYLBENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-04 - GWT69-04	17-Jul-95	0.5 U
GPT69-04 - GWT69-04	17-Jul-95	2 U
WT69-1 - WT69-1	11-Aug-95	0.5 U
WT69-1 - WT69-1	11-Aug-95	10 U
WT69-1 - WT69-1	21-Feb-96	0.5 U
WT69-1 - WT69-1	21-Aug-96	0.5 U
WT69-1 - WT69-1	21-Aug-96	2 U
WT69-1 - WT69-1	19-Nov-96	0.5 U
WT69-1 - WT69-1	27-Aug-99	1 U
Chemical Name: GASOLINE-RANGE ORG	ANIC COMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-01 - GWT69-01	14-Jul-95	50 U
GPT69-02 - GWT69-2	7-Jul-95	50 U
GPT69-03 - GWT69-03	14-Jul-95	50 U
GPT69-04 - GWT69-04	17-Jul- <u>95</u>	50 U
WT69-1 - WT69-1	11-Aug-95	50 U
WT69-1 - WT69-1	21-Feb-96	50 U
WT69-1 - WT69-1	21-Aug-96	50 U
WT69-1 - WT69-1	19-Nov-96	50 U
Chemical Name: JP5-RANGE ORGANIC C	OMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-01 - GWT69-01	14-Jul-95	50 U
GPT69-02 - GWT69-2	7-Jul-95	50 U
GPT69-03 - GWT69-03	14-Jul-95	50 U
GPT69-04 - GWT69-04	17-Jul-95	50 U
WT69-1 - WT69-1	11-Aug-95	100 U
WT69-1 - WT69-1	21-Feb-96	100 U
WT69-1 - WT69-1	21-Aug-96	100 U
WT69-1 - WT69-1	19-Nov-96	100 U
Chemical Name: KEROSENE-RANGE ORG		
Location/Sample_ID	Sample Date	<b>Concentration</b>
GPT69-01 - GWT69-01	14-Jul-95	50 U
GPT69-02 - GWT69-2	7-Jul-95	50 U
GPT69-03 - GWT69-03	14-Jul-95	50 U
GPT69-04 - GWT69-04	17-Jul-95	50 U
WT69-1 - WT69-1	11-Aug-95	100 U
WT69-1 - WT69-1	21-Aug-96	100 U
Chemical Name: METHYL-TERTIARY-BU		
Location/Sample ID	Sample Date	<u>Concentration</u>
WT69-1 - WT69-1	27-Aug-99	10 U
Chemical Name: MOTOR OIL-RANGE OR	GANIC COMPOUNDS	
		<u>Concentration</u> 500 U

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### TABLE 24 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 69 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: MOTOR OIL-RANGE ORGANIC COMPOUNDS			
Location/Sample ID	Sample Date	<b>Concentration</b>	
GPT69-02 - GWT69-2	7-Jul-95	500 U	
GPT69-03 - GWT69-03	14-Jul-95	500 U	
GPT69-04 - GWT69-04	17-Jul-95	500 U	
WT69-1 - WT69-1	11-Aug-95	52 J	
WT69-1 - WT69-1	21-Feb-96	140 Z	
WT69-1 - WT69-1	21-Aug-96	100 U	
WT69-1 - WT69-1	19-Nov-96	100 U	
Chemical Name: NAPHTHALENE			
Location/Sample ID	Sample Date	<b>Concentration</b>	
GPT69-02 - GWT69-2	7-Jul-95	10 U	
WT69-1 - WT69-1	21-Aug-96	10 U	
WT69-1 - WT69-1	19-Nov-96	10 U	
Chemical Name: OTHER HEAVY TPH COM	PONENTS		
Location/Sample ID	Sample Date	<b>Concentration</b>	
GPT69-01 - GWT69-01	14-Jul-95	50 U	
GPT69-02 - GWT69-2	7-Jul-95	50 U	
GPT69-03 - GWT69-03	14-Jul-95	50 U	
GPT69-04 - GWT69-04	17-Jul-95	50 U	
Chemical Name: OTHER LIGHT TPH COM	PONENTS		
Location/Sample ID	Sample Date	<b>Concentration</b>	
GPT69-01 - GWT69-01	14-Jul-95	50 U	
GPT69-02 - GWT69-2	7-Jul-95	50 U	
GPT69-03 - GWT69-03	14-Jul-95	50 U	
GPT69-04 - GWT69-04	17-Jul-95	50 U	
Chemical Name: TOLUENE			
Location/Sample ID	Sample Date	<b>Concentration</b>	
GPT69-01 - GWT69-01	14-Jul-95	0.5 U	
GPT69-01 - GWT69-01	14-Jul-95	2 U	
GPT69-02 - GWT69-2	7-Jul-95	0.5 U	
GPT69-02 - GWT69-2	7-Jul-95	2 U	
GPT69-03 - GWT69-03	14-Jul-95	0.5 U	
GPT69-03 - GWT69-03	14-Jul-95	2 U	
GPT69-04 - GWT69-04	17-Jul-95	0.5 U	
GPT69-04 - GWT69-04	17-Jul-95	2 U	
WT69-1 - WT69-1	11-Aug-95	0.5 U	
WT69-1 - WT69-1	11-Aug-95	10 U	
WT69-1 - WT69-1	21-Feb-96	0.5 U	
WT69-1 - WT69-1	21-Aug-96	0.5 U	
WT69-1 - WT69-1	21-Aug-96	2 U	
WT69-1 - WT69-1	19-Nov-96	0.5 U	
WT69-1 - WT69-1	27-Aug-99	1 U	

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#### TABLE 24 (Continued)

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 69 GROUNDWATER DATA

(Concentrations in micrograms per liter)

Chemical Name: XYLENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT69-01 - GWT69-01	14-Jul-95	0.5 U
GPT69-01 - GWT69-01	14-Jul-95	2 U
GPT69-02 - GWT69-2	7-Jul-95	0.5 U
GPT69-02 - GWT69-2	7-Jul-95	2 U
GPT69-03 - GWT69-03	14-Jul-95	0.5 U
GPT69-03 - GWT69-03	14-Jul-95	2 U
GPT69-04 - GWT69-04	17-Jul-95	0.5 U
GPT69-04 - GWT69-04	17-Jul-95	2 U
WT69-1 - WT69-1	11-Aug-95	0.5 U
WT69-1 - WT69-1	11-Aug-95	10 U
WT69-1 - WT69-1	21-Feb-96	0.5 U
WT69-1 - WT69-1	21-Aug-96	<u>1 U</u>
WT69-1 - WT69-1	21-Aug-96	2 U
WT69-1 - WT69-1	19-Nov-96	0.5 U
WT69-1 - WT69-1	27-Aug-99	1 U

Notes:

- J The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- U Analyzed for but not detected (reported value is detection limit)
- Z Unknown single peaks or patterns were detected but did not resemble a typical fuel pattern.

Dup - Duplicate sample

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 77 SOIL DATA

(Concentrations in milligrams per kilogram)

Chemical Name: DIESEL-RANGE O	RGANIC COMPOUNDS		
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>
77-Е-8		27-Apr-95	1 U

Notes:

1 - Feet below ground surface (exact depth unknown)

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 77 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: BENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	0.51
Chemical Name: DIESEL-RANGE ORG	SANIC COMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	62
Chemical Name: ETHYLBENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	0.5
Chemical Name: GASOLINE-RANGE (	DRGANIC COMPOUN	IDS
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	50
Chemical Name: MOTOR OIL-RANGE	ORGANIC COMPOU	INDS
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	16
Chemical Name: TOLUENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	0.56
Chemical Name: XYLENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
77-W-8	27-Apr-95	1.4

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 78 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name:	BENZENE			
		Sample Depth ¹	Samuela Data	Concentration
Location/Sam	pierty		Sample Date	<u>Concentration</u>
Tank 78(N)		10	07-Jan-93	0.005 U
Tank 78(S)		10	07-Jan-93	0.005 U
Chemical Name:	ETHYLBENZENE			
Location/Sam	<u>ple ID</u>	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 78(N)		10	07-Jan-93	0.005 U
Tank 78(S)		10	07-Jan-93	0.005 U
Chemical Name:	GASOLINE-RANGE OR	GANIC COMPOUN	IDS	
Location/Sam	<u>ple ID</u>	Sample Depth	Sample Date	<b>Concentration</b>
Tank 78(N)		10	07-Jan-93	1 U
Tank 78(S)		10	07-Jan-93	1 U
Chemical Name:	TOLUENE			
Location/Sam	ple ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 78(N)		10	07-Jan-93	0.005 U
Tank 78(S)		10	07-Jan-93	0.005 U
Chemical Name:	XYLENE			
Location/Sam	<u>ple ID</u>	Sample Depth ¹	Sample Date	<b>Concentration</b>
Tank 78(N)		10	07-Jan-93	0.005 U
Tank 78(S)		10	07-Jan-93	0.005 U

Notes:

U - Analyzed for but not detected (reported value is detection limit)

1 - Feet below ground surface (exact depth unknown)

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 86A AND 86B SOIL DATA (Concentration in milligrams per kilogram)

Chemical Name: BENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT86B-1 - GPT86B-1(9.5)	9.5	27-Jun-95	0.066 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	0.00059 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	0.012 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	0.00056 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	0.011 U
86AN-301-0130	UNKNOWN	7-Jan-93	0.005 U
86AS-301-0131	UNKNOWN	7-Jan-93	0.005 U
86BN-301-0132	UNKNOWN	7-Jan-93	0.005 U
86BS-301-0133	UNKNOWN	7-Jan-93	0.005 U
Chemical Name: DIESEL-RANGE OR			0.005 0
			<b>C</b>
Location/Sample ID	Sample Depth ¹	Sample Date	Concentration
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	12 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	11 U
Chemical Name: ETHYLBENZENE		-	
Location/Sample ID	Sample Depth	<u>Sample Date</u>	<b>Concentration</b>
GPT86B-1 - GPT86B-1(9.5)	9.5	27-Jun-95	0.066 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	0.00059 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	0.012 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	0.00056 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	0.011 U
86AN-301-0130	UNKNOWN	7-Jan-93	0.005 U
86AS-301-0131	UNKNOWN	7-Jan-93	0.005 U
86BN-301-0132	UNKNOWN	7-Jan-93	0.005 U
86BS-301-0133	UNKNOWN	7-Jan-93	0.005 U
Chemical Name: GASOLINE-RANGE			
Location/Sample ID	Sample Depth ¹	Sample Date	Concentration
GPT86B-1 - GPT86B-1(9.5)	9.5	27-Jun-95	13 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	27-5m-95 20-Feb-96	0.59 UJ-S
SB186B-3 - SB186B-3-3(8.5-9.0)	8.5	20-Feb-96	0.56 UJ-S
Chemical Name: JP5-RANGE ORGAN		20-1-60-90	0.00 00-3
		0 I D (	0
Location/Sample ID	Sample Depth	Sample Date	<u>Concentration</u>
SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-3(8.5-9.0)	5.5 8.5	20-Feb-96 20-Feb-96	12 U 11 U
Chemical Name: KEROSENE-RANG			11 0
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	12 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	11 U
Chemical Name: MOTOR OIL-RANG		UUNDS	
Location/Sample ID	<u>Sample Depth¹</u>	Sample Date	<u>Concentration</u>
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	12 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	11 U
Chemical Name: OTHER LIGHT TPH			
Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>
GPT86B-1 - GPT86B-1(9.5)	9.5	27-Jun-95	190 Y

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#### **TABLE 28 (Continued)**

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 86A AND 86B SOIL DATA

#### (Concentrations in milligrams per kilogram)

Chemical Name: TOLUENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
GPT86B-1 - GPT86B-1(9.5)	9.5	27-Jun-95	0.066 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	0.00059 U
SBT86B-3 - SBT86B-3-1(5.5-6.0)	5.5	20-Feb-96	0.012 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	0.00056 U
SBT86B-3 - SBT86B-3-3(8.5-9.0)	8.5	20-Feb-96	0.011 U
86AN-301-0130	UNKNOWN	7-Jan-93	0.005 U
86AS-301-0131	UNKNOWN	7-Jan-93	0.005 U
86BN-301-0132	UNKNOWN	7-Jan-93	0.005 U
86BS-301-0133	UNKNOWN	7-Jan-93	0.005 U
Chemical Name: XYLENE			
Chemical Name: XYLENE Location/Sample ID	Sample Depth ¹	Sample Date	<u>Concentration</u>
	<u>Sample Depth</u> ¹ 9.5	<u>Sample Date</u> 27-Jun-95	<u>Concentration</u> 0.066 U
Location/Sample ID			
Location/Sample ID GPT86B-1 - GPT86B-1(9.5)	9.5	27-Jun-95	0.066 U
Location/Sample ID GPT86B-1 - GPT86B-1(9.5) SBT86B-3 - SBT86B-3-1(5.5-6.0)	9.5 5.5	27-Jun-95 20-Feb-96	0.066 U 0.00059 U
Location/Sample ID GPT86B-1 - GPT86B-1(9.5) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-1(5.5-6.0)	9.5 5.5 5.5	27-Jun-95 20-Feb-96 20-Feb-96	0.066 U 0.00059 U 0.012 U
Location/Sample ID GPT86B-1 - GPT86B-1(9.5) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-3(8.5-9.0)	9.5 5.5 5.5 8.5	27-Jun-95 20-Feb-96 20-Feb-96 20-Feb-96	0.066 U 0.00059 U 0.012 U 0.00056 U
Location/Sample ID GPT86B-1 - GPT86B-1(9.5) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-3(8.5-9.0) SBT86B-3 - SBT86B-3-3(8.5-9.0)	9.5 5.5 5.5 8.5 8.5	27-Jun-95 20-Feb-96 20-Feb-96 20-Feb-96 20-Feb-96	0.066 U 0.00059 U 0.012 U 0.00056 U 0.011 U
Location/Sample ID GPT86B-1 - GPT86B-1(9.5) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-1(5.5-6.0) SBT86B-3 - SBT86B-3-3(8.5-9.0) SBT86B-3 - SBT86B-3-3(8.5-9.0) 86AN-301-0130	9.5 5.5 5.5 8.5 8.5 UNKNOWN	27-Jun-95 20-Feb-96 20-Feb-96 20-Feb-96 20-Feb-96 7-Jan-93	0.066         U           0.00059         U           0.012         U           0.00056         U           0.011         U           0.005         U

Notes:

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

S - Value is estimated because the surrogate recovery was out of quality control limits.

U - Analyzed for but not detected (reported value is detection limit)

Y - Pattern does not match clibration fuel pattern but resembles fuel pattern.

Dup - Duplicate sample

1 - Feet below ground surface

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 86A AND 86B GROUNDWATER DATA

	(Concentrations in micrograms per liter)	
5	METHVI NAPHTHALENE	

Chemical Name: 2-METHYLNAPHTHALENE		
Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
GPT86B-1 - GWT86B-1	28-Jun-95	12 U
GPT86B-2 - GWT86B-2	28-Jun-95	10 U
WT86B-1 - WT86B-1	22-Feb-96	10 U
Chemical Name: BENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT86B-1 - GWT86B-1	27-Jun-95	0.4 J-S
GPT86B-1 - GWT86B-1	27-Jun-95	0.5 U
GPT86B-2 - GWT86B-2	27-Jun-95	0.1 J
GPT86B-2 - GWT86B-2	27-Jun-95	0.5 U
WT86B-1 - WT86B-1	22-Feb-96	28 J-S
WT86B-1 - WT86B-1	20-Aug-96	0.5 U
WT86B-1 - WT86B-1	18-Nov-96	0.5 U
WT86B-1 - WT86B-1	18-Feb-97	<u>0.5</u> U
WT86B-1 - WT86B-1	23-May-97	3
WT86B-1 - WT86B-1	25-Aug-99	<u>1 U</u>
WT86B-1 - WT86B-1SP	18-Feb-97	0.5 U
Chemical Name: BENZO(A)PYRENE		
Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
GPT86B-1 - GWT86B-1	28-Jun-95	12 U
GPT86B-2 - GWT86B-2	28-Jun-95	10 U
WT86B-1 - WT86B-1	22-Feb-96	10 U
Chemical Name: DIESEL-RANGE ORGANIC COMPO	UNDS	
Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
WT86B-1 - WT86B-1	20-Aug-96	100 U
WT86B-1 - WT86B-1	18-Nov-96	100 U
WT86B-1 - WT86B-1	18-Feb-97	100 U
WT86B-1 - WT86B-1	23-May-97	90 U
WT86B-1 - WT86B-1SP	18-Feb-97	100 U
Chemical Name: ETHYLBENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT86B-1 - GWT86B-1	27-Jun-95	0.2 J-S
GPT86B-1 - GWT86B-1	27-Jun-95	0.5 U
GPT86B-2 - GWT86B-2	27-Jun-95	0.5 U
GPT86B-2 - GWT86B-2	27-Jun-95	2 U
WT86B-1 - WT86B-1	22-Feb-96	0.6 J-S
WT86B-1 - WT86B-1	22-Feb-96	1.3 J-S
WT86B-1 - WT86B-1	20-Aug-96	0.5 U
WT86B-1 - WT86B-1	20-Aug-96	2_U
WT86B-1 - WT86B-1	18-Nov-96	0.5 U
WT86B-1 - WT86B-1	18-Feb-97	0.5 U
WT86B-1 - WT86B-1	23-May-97	0.3 J
WT86B-1 - WT86B-1	25-Aug-99	1 U

#### TABLE 29 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 86A AND 86B GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: ETHYLBENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
WT86B-1 - WT86B-1SP	18-Feb-97	0.5 U
Chemical Name: GASOLINE-RANGE ORGA	NIC COMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT86B-1 - GWT86B-1	27-Jun-95	50 U
GPT86B-2 - GWT86B-2	27-Jun-95	50 U
WT86B-1 - WT86B-1	22-Feb-96	910 J-S
WT86B-1 - WT86B-1	20-Aug-96	<u>33 JZ</u>
WT86B-1 - WT86B-1	18-Nov-96	50 U
WT86B-1 - WT86B-1	18-Feb-97	50 U
WT86B-1 - WT86B-1	23-May-97	50 U
WT86B-1 - WT86B-1SP	18-Feb-97	46 J
Chemical Name: JP5-RANGE ORGANIC CO		
Location/Sample ID	Sample Date	<b>Concentration</b>
WT86B-1 - WT86B-1	20-Aug-96	100 U
WT86B-1 - WT86B-1	18-Nov-96	100 U
WT86B-1 - WT86B-1	18-Feb-97	100 U
WT86B-1 - WT86B-1	23-May-97	500 U
WT86B-1 - WT86B-1SP	18-Feb-97	100 U
Chemical Name: KEROSENE-RANGE ORG		
Location/Sample ID	Sample Date	<b>Concentration</b>
WT86B-1 - WT86B-1	20-Aug-96	100 U
Chemical Name: METHYL-TERTIARY-BUT		
Location/Sample ID	Sample Date	<b>Concentration</b>
WT86B-1 - WT86B-1	23-May-97	1 U
WT86B-1 - WT86B-1	25-Aug-99	10 U
Chemical Name: MOTOR OIL-RANGE ORG		
Location/Sample ID	Sample Date	<u>Concentration</u>
WT86B-1 - WT86B-1	20-Aug-96	100 U
WT86B-1 - WT86B-1	18-Nov-96	100 U
WT86B-1 - WT86B-1	18-Feb-97	100 U
WT86B-1 - WT86B-1	23-May-97	500 U
WT86B-1 - WT86B-1SP	18-Feb-97	100 U
Chemical Name: NAPHTHALENE		<b>Otttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt</b>
Location/Sample ID	Sample Date	<u>Concentration</u> 12 U
GPT86B-1 - GWT86B-1	28-Jun-95	
GPT86B-2 - GWT86B-2	28-Jun-95	<u> </u>
WT86B-1 - WT86B-1	22-Feb-96	0 01
Chemical Name: OTHER LIGHT TPH COM		Concentration
Location/Sample ID	Sample Date	<u>Concentration</u>
GPT86B-1 - GWT86B-1	27-Jun-95	5900 Y 50 U
GPT86B-2 - GWT86B-2	27-Jun-95	50 U

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#### TABLE 29 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANKS 86A AND 86B GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name: TOLUENE		· · ·
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT86B-1 - GWT86B-1	27-Jun-95	0.4 J-S
GPT86B-1 - GWT86B-1	27-Jun-95	0.5 U
GPT86B-2 - GWT86B-2	27-Jun-95	0.5 U
GPT86B-2 - GWT86B-2	27-Jun-95	2 U
WT86B-1 - WT86B-1	22-Feb-96	0.5 UJ-S
WT86B-1 - WT86B-1	20-Aug-96	0.5 U
WT86B-1 - WT86B-1	20-Aug-96	2 U
WT86B-1 - WT86B-1	18-Nov-96	0.5 U
WT86B-1 - WT86B-1	18-Feb-97	0.5 U
WT86B-1 - WT86B-1	23-May- <u>97</u>	1 U
WT86B-1 - WT86B-1	25-Aug-99	1 U
WT86B-1 - WT86B-1SP	18-Feb-97	0.3 J
WT86B-1 - WT86B-1SP	18-Feb-97	0.5 U
Chemical Name: XYLENE	·	•
Location/Sample ID	Sample Date	<b>Concentration</b>
GPT86B-1 - GWT86B-1	27-Jun-95	0.3 J-S
GPT86B-1 - GWT86B-1	27-Jun-95	6
GPT86B-2 - GWT86B-2	27-Jun-95	0.5 U
GPT86B-2 - GWT86B-2	27-Jun-95	2 U
WT86B-1 - WT86B-1	22-Feb-96	.0.5 UJ-S
WT86B-1 - WT86B-1	20-Aug-96	U
WT86B-1 - WT86B-1	20-Aug-96	2 U
WT86B-1 - WT86B-1	18-Nov-96	0.5 U
WT86B-1 - WT86B-1	18-Feb-97	0.5 U
WT86B-1 - WT86B-1	18-Feb-97	<u>1.5 U</u> 0.3 J
WT86B-1 - WT86B-1	23-May-97	0.3 J
		1 U
WT86B-1 - WT86B-1	25-Aug-99	
WT86B-1 - WT86B-1 WT86B-1 - WT86B-1SP	25-Aug-99 18-Feb-97	0.5 U 1.5 U

Notes:

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit)

Z - Unknown single peaks or patterns were detected but did not resemble a typical fuel pattern.

Dup - Duplicate sample

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 88 SOIL DATA

(Concentration in milligrams per kilogram)

Chemical Name:	TOTAL PETROLEUM H	<b>YDROCARBONS</b>		
Location/Sam	<u>ple ID</u>	Sample Depth	Sample Date	<b>Concentration</b>
Tank 88(E)		6	18-Dec-92	1 U
Tank 88(W)		6	18-Dec-92	1 U

Notes:

1 - Feet below ground surface (exact depth unknown)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 106 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

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Chemical Name: BENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01	30-Aug-99	0.5 U-X
UST106-SB-02	30-Aug-99	0.5 U-X
UST106-SB-03	30-Aug-99	0.5 U-X
UST106-SB-04	30-Aug-99	0.5 U-X
Chemical Name: DIESEL-RANGE ORGAN	VIC COMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01	30-Aug-99	100 JY-X
UST106-SB-02	30-Aug-99	60 JZ-X
UST106-SB-03	30-Aug-99	100 Z-X
UST106-SB-04	30-Aug-99	60 JZ-X
Chemical Name: ETHYLBENZENE	······	
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01	30-Aug-99	0.5 U-X
UST106-SB-02	30-Aug-99	0.5 U-X
UST106-SB-03	30-Aug-99	0.5 U-X
UST106-SB-04	30-Aug-99	0.5 U-X
Chemical Name: GASOLINE-RANGE ORG	GANIC COMPOUNDS	
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01	30-Aug-99	50 U-X
UST106-SB-02	30-Aug-99	50 U-X
UST106-SB-03	30-Aug-99	50 U-X
UST106-SB-04	30-Aug-99	50 U-X
Chemical Name: JP5-RANGE ORGANIC (	COMPOUNDS	i.
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01	30-Aug-99	100 U-X
UST106-SB-02	30-Aug-99	100 U-X
UST106-SB-03	30-Aug-99	100 U-X
UST106-SB-04	30-Aug-99	100 U-X
Chemical Name: METHYL TERTIARY B		
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-02	30-Aug-99	1 U-X
UST106-SB-03	30-Aug-99	1 U-X
UST106-SB-04	30-Aug-99	1 U-X
Chemical Name: MOTOR OIL-RANGE O		
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01		100 U
UST106-SB-02	30-Aug-99	100 U
UST106-SB-03	30-Aug-99	100 U
UST106-SB-04	30-Aug-99	100 U
Chemical Name: TOLUENE	~	
Location/Sample ID	Sample Date	<b>Concentration</b>
UST106-SB-01	30-Aug-99	0.5 U
UST106-SB-02	30-Aug-99	0.5 U
UST106-SB-02		0.5 U
UST106-SB-04	30-Aug-99	0.5 U

#### TABLE 31 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 106 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name:	XYLENES (TOTAL)		
Location/Sample ID		Sample Date	<b>Concentration</b>
UST106-SB-01		30-Aug-99	1 U
UST106-SB-02		30-Aug-99	1 U
UST106-SB-03	,	30-Aug-99	1 U
UST106-SB-04		30-Aug-99	1 U

Notes:

J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit)

Y - Pattern does not match calibration fuel pattern of diesel but resembles fuel pattern.

Z - Unknown single peaks or patterns were detected but did not resemble a typical fuel pattern.

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 110 SOIL DATA

### (Concentrations in milligrams per kilogram)

Chemical Name:	BENZENE			
Location/Samp	<u>le ID</u>	Sample Depth	Sample Date	<b>Concentration</b>
065037-14		Unknown	05-Apr-94	0.1 U
065037-15	-	Unknown	05-Apr-94	0.1 U
Chemical Name:	DIESEL-RANGE ORGANI	C COMPOUNDS		
Location/Samp	le ID	Sample Depth	Sample Date	<b>Concentration</b>
065037-14		Unknown	12-Арт-94	1 U
065037-15		Unknown	12-Apr-94	1 U
Chemical Name:	ETHYLBENZENE			
Location/Samp	le ID	Sample Depth	Sample Date	<b>Concentration</b>
065037-14		Unknown	05-Apr-94	0.1 U
065037-15		Unknown	05-Apr-94	0.1 U
Chemical Name:	TOLUENE			
Location/Samp	le ID	Sample Depth	Sample Date	<b>Concentration</b>
065037-14	•	Unknown	05-Apr-94	0.1 U
065037-15		Unknown	05-Apr-94	0.1 U
Chemical Name:	XYLENE			
Location/Samp	<u>le ID</u>	<u>Sample Depth</u>	<u>Sample Date</u>	<b>Concentration</b>
065037-14		Unknown	05-Apr-94	0.1 U
065037-15		Unknown	05-Apr-94	0.1 U

Notes:

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U - Analyzed for but not detected (reported value is detection limit)

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 111 SOIL DATA (Concentrations in milligrams per kilogram)

#### Chemical Name: BENZENE Sample Depth¹ Location/Sample ID Sample Date Concentration 9.0 1-Nov-95 TK111-SP-001 0.005 U 1.0-2.0 0.007 U UST111-SB-01(1.0-2.0) 25-Aug-99 UST111-SB-01(4.0-5.0) 4.0-5.0 25-Aug-99 0.007 U 9.0-10.0 UST111-SB-01(9.0-10.0) 25-Aug-99 0.007 U **BENZO(A)PYRENE** Chemical Name: Location/Sample ID Sample Depth¹ Sample Date Concentration 1.0-2.0 0.0028 UST111-SB-01(1.0-2.0) 25-Aug-99 U UST111-SB-01(4.0-5.0) 4.0-5.0 0.0028 25-Aug-99 U UST111-SB-01(9.0-10.0) 9.0-10.0 25-Aug-99 0.0028 Ū DIESEL-RANGE ORGANIC COMPOUNDS **Chemical Name:** Location/Sample ID Sample Depth¹ Sample Date Concentration TK111-SP-001 9.0 1-Nov-95 64.1 UST111-SB-01(1.0-2.0) 1.0-2.0 25-Aug-99 14 U 4.0-5.0 15 U UST111-SB-01(4.0-5.0) 25-Aug-99 USTI11-SB-01(9.0-10.0) 9.0-10.0 25-Aug-99 12 U ETHYLBENZENE **Chemical Name:** Sample Depth¹ Location/Sample ID Sample Date Concentration TK111-SP-001 9.0 1-Nov-95 0.005 U 1.0-2.0 25-Aug-99 0.007 U UST111-SB-01(1.0-2.0) UST111-SB-01(4.0-5.0) 4.0-5.0 25-Aug-99 0.007 U UST111-SB-01(9.0-10.0) 9.0-10.0 25-Aug-99 0.007 U Chemical Name: GASOLINE-RANGE ORGANIC COMPOUNDS Sample Depth¹ Sample Date Location/Sample ID Concentration 9.0 1-Nov-95 0.13 TK111-SP-001 UST111-SB-01(1.0-2.0) 1.0-2.0 25-Aug-99 0.7 U UST111-SB-01(4.0-5.0) 4.0-5.0 25-Aug-99 0.7 U 9.0-10.0 25-Aug-99 0.7 UST111-SB-01(9.0-10.0) U Chemical Name: JP5-RANGE ORGANIC COMPOUNDS Location/Sample ID Sample Depth¹ Sample Date **Concentration** UST111-SB-01(1.0-2.0) 1.0 - 2.025-Aug-99 14 U 4.0-5.0 25-Aug-99 15 U UST111-SB-01(4.0-5.0) UST111-SB-01(9.0-10.0) 9.0-10.0 25-Aug-99 12 U MOTOR OIL-RANGE ORGANIC COMPOUNDS Chemical Name: Sample Depth Location/Sample ID Sample Date **Concentration** UST111-SB-01(1.0-2.0) 1.0-2.0 25-Aug-99 14 U 4.0-5.0 25-Aug-99 12 JY UST111-SB-01(4.0-5.0) 9.0-10.0 25-Aug-99 12 UST111-SB-01(9.0-10.0) П Chemical Name: NAPHTHALENE **Concentration** Sample Depth Sample Date Location/Sample ID UST111-SB-01(1.0-2.0) 1.0-2.0 25-Aug-99 0.07 U UST111-SB-01(4.0-5.0) 4.0-5.0 25-Aug-99 0.07 U 9.0-10.0 25-Aug-99 0.07 UST111-SB-01(9.0-10.0) U

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#### TABLE 33 (Continued)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 111 SOIL DATA (Concentrations in milligrams per kilogram)

Chemical Name: TOLUENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
TK111-SP-001	9.0	1-Nov-95	0.005 U
UST111-SB-01(1.0-2.0)	1.0-2.0	25-Aug-99	0.007 U
UST111-SB-01(4.0-5.0)	4.0-5.0	25-Aug-99	0.007 U
UST111-SB-01(9.0-10.0)	9.0-10.0	25-Aug-99	0.007 U
Chemical Name: XYLENES (TOTAL)			
Location/Sample ID	Sample Depth ¹	Sample Date	Concentration
TK111-SP-001	9.0	1-Nov-95	0.005 U
UST111-SB-01(1.0-2.0)	1.0-2.0	25-Aug-99	0.014 U
UST111-SB-01(4.0-5.0)	4.0-5.0	25-Aug-99	0.014 U
UST111-SB-01(9.0-10.0)	9.0-10.0	25-Aug-99	0.014 U

Notes:

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J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit)

Y - Pattern does not match calibration fuel pattern of diesel but resembles fuel pattern.

- Feet below ground surface

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 111 GROUNDWATER DATA

### (Concentrations in micrograms per liter)

Chemical Name:	BENZENE		
Location/Samp	le ID	Sample Date	<b>Concentration</b>
UST111-SB-01		25-Aug-99	0.5 U
UST111-SB-02		25-Aug-99	0.5 U
UST111-SB-03		24-Aug-99	0.5 U
UST111-SB-04		24-Aug-99	0.5 U
Chemical Name:	DIESEL-RANGE ORGANIC COMPOUNDS	5	
Location/Samp	le ID	<u>Sample Date</u>	<b>Concentration</b>
UST111-SB-01		25-Aug-99	100 U
UST111-SB-02		25-Aug-99	100 U
UST111-SB-03		24-Aug-99	100 U
UST111-SB-04		24-Aug-99	100 U
Chemical Name:	ETHYLBENZENE		
Location/Samp	le ID	<u>Sample Date</u>	<b>Concentration</b>
UST111-SB-01		25-Aug-99	0.5 U
UST111-SB-02		25-Aug-99	<u> </u>
UST111-SB-03		24-Aug-99	0.5 U
UST111-SB-04		24-Aug-99	0.5 U
Chemical Name:	GASOLINE-RANGE ORGANIC COMPOU	NDS	
Location/Samp	le ID	Sample Date	<b>Concentration</b>
UST111-SB-01		25-Aug-99	50 U
UST111-SB-02		25-Aug-99	50 U
UST111-SB-03		24-Aug-99	50 U
		24-Aug-99	50 U
UST111-SB-04		24-Aug-99	50 0
Chemical Name:	JP5-RANGE ORGANIC COMPOUNDS		
Chemical Name: <u>Location/Samp</u>		Sample Date	Concentration
Chemical Name: <u>Location/Samp</u> UST111-SB-01		Sample Date 25-Aug-99	Concentration 100 U
Chemical Name: <u>Location/Samp</u> UST111-SB-01 <u>UST111-SB-02</u>		<u>Sample Date</u> 25-Aug-99 25-Aug-99	<u>Concentration</u> 100 U 100 U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03		<u>Sample Date</u> 25-Aug-99 25-Aug-99 24-Aug-99	<u>Concentration</u> 100 U <u>100</u> U 100 U
Chemical Name: <u>Location/Samp</u> UST111-SB-01 <u>UST111-SB-02</u> UST111-SB-03 UST111-SB-04	le ID	<u>Sample Date</u> 25-Aug-99 25-Aug-99	<u>Concentration</u> 100 U 100 U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name:	METHYL TERTIARY BUTYL ETHER	Sample Date 25-Aug-99 25-Aug-99 24-Aug-99 24-Aug-99	Concentration           100         U           100         U           100         U           100         U           100         U           100         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date	Concentration           100         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-04	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99	Concentration           100         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-01	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           25-Aug-99	Concentration           100         U           1         U           1         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-01           UST111-SB-01           UST111-SB-02           UST111-SB-03	METHYL TERTIARY BUTYL ETHER	Sample Date 25-Aug-99 25-Aug-99 24-Aug-99 24-Aug-99 Sample Date 25-Aug-99 25-Aug-99 24-Aug-99	Concentration           100         U           1         U           1         U           1         U           1         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04	LE ID METHYL TERTIARY BUTYL ETHER LE ID	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99	Concentration           100         U           1         U           1         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-01           UST111-SB-03           UST111-SB-03           UST111-SB-04           Chemical Name:	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99	Concentration           100         U           100         U           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           Sample Date           Sample Date	Concentration           100         U           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-04	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99	Concentration           100         U           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-01 UST111-SB-02	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99	Concentration           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-01 UST111-SB-03	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99	Concentration           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           100         U           100         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-03           UST111-SB-03           UST111-SB-03           UST111-SB-03           UST111-SB-04	METHYL TERTIARY BUTYL ETHER	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           Sample Date           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99	Concentration           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U
Chemical Name:           Location/Samp           UST111-SB-01           UST111-SB-02           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-04           UST111-SB-04           UST111-SB-01           UST111-SB-03           UST111-SB-04           Chemical Name:           Location/Samp           UST111-SB-04           UST111-SB-01           UST111-SB-03          UST111-SB-03          UST111-SB-04         UST111-SB-04           Chemical Name:           UST111-SB-04           Chemical Name:	METHYL TERTIARY BUTYL ETHER Le ID MOTOR OIL-RANGE ORGANIC COMPO Le ID TOLUENE	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99	Concentration           100         U           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           100         U           100         U           100         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp	METHYL TERTIARY BUTYL ETHER Le ID MOTOR OIL-RANGE ORGANIC COMPO Le ID TOLUENE	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99	Concentration           100         U           100         U           100         U           100         U           100         U           100         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           100         U           100         U           100         U           100         U           100         U           100         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-04	METHYL TERTIARY BUTYL ETHER Le ID MOTOR OIL-RANGE ORGANIC COMPO Le ID TOLUENE	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99	Concentration           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           100         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-04	METHYL TERTIARY BUTYL ETHER Le ID MOTOR OIL-RANGE ORGANIC COMPO Le ID TOLUENE	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           <	Concentration           100         U           100         U           100         U           100         U           100         U           100         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           100         U           100         U           100         U           0.5         U           0.5         U
Chemical Name: Location/Samp UST111-SB-01 UST111-SB-02 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-01 UST111-SB-03 UST111-SB-04 Chemical Name: Location/Samp UST111-SB-04	METHYL TERTIARY BUTYL ETHER Le ID MOTOR OIL-RANGE ORGANIC COMPO Le ID TOLUENE	Sample Date           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           24-Aug-99           25-Aug-99           25-Aug-99           25-Aug-99           24-Aug-99	Concentration           100         U           100         U           100         U           100         U           Concentration           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           1         U           100         U

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#### **TABLE 34 (Continued)**

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 111 GROUNDWATER DATA (Concentrations in micrograms per liter)

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Chemical Name: XYLENES (TOTAL)		
Location/Sample ID	Sample Date	<b>Concentration</b>
UST111-SB-01	25-Aug-99	1 U ·
UST111-SB-02	25-Aug-99	<u> </u>
UST111-SB-03	24-Aug-99	1 U
UST111-SB-04	24-Aug-99	4.4

Notes:

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J - The analyte was positively identified. The associated numerical value is the approximate

- concentration of the analyte in the sample.

U - Analyzed for but not detected (reported value is detection limit)

Y - Pattern does not match calibration fuel pattern of diesel but resembles fuel pattern.

Z - Unknown single peaks or patterns were detected but did not resemble a typical fuel pattern.

## MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 116 SOIL DATA

### (Concentrations in milligrams per kilogram)

Chemical Name: BENZENE	-		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
TK116-EX-001	9.0	1-Nov-95	0.005 U
TK116-EX-002	9.0	1-Nov-95	0.005 U
TK116-EX-003	9.0	1-Nov-95	0.005 U
UST116-SB-01(1.0-2.0)	1.0-2.0	26-Aug-99	0.007 U
UST116-SB-01(4.0-5.0)	4.0-5.0	26-Aug-99	0.007 U
Chemical Name: DIESEL-RANGE ORG	ANIC COMPOUNDS		
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
TK116-EX-001	9.0	1-Nov-95	19.3
TK116-EX-002	9.0	1-Nov-95	49.4
TK116-EX-003	9.0	1-Nov-95	371
Chemical Name: ETHYLBENZENE			
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
TK116-EX-001		1-Nov-95	0.0056
TK116-EX-002	9.0	1-Nov-95	0.0015
TK116-EX-003	9.0	1-Nov-95	0.005 U
UST116-SB-01(1.0-2.0)	1.0-2.0	26-Aug-99	0.007 U
UST116-SB-01(4.0-5.0)	4.0-5.0	26-Aug-99	0.007 U
Chemical Name: GASOLINE-RANGE O	RGANIC COMPOUND	S	
Location/Sample ID	Sample Depth ¹	Sample Date	<b>Concentration</b>
TK116-EX-001	9.0	1-Nov-95	5.1
TK116-EX-002	9.0	1-Nov-95	0.065
TK116-EX-003	9.0	1-Nov-95	0.05 U
UST116-SB-01(1.0-2.0)	1.0-2.0	26-Aug-99	0.7 U
UST116-SB-01(4.0-5.0)	4.0-5.0	26-Aug-99	0.7 U
UST116-SB-01(4.0-5.0) Chemical Name: TOLUENE			0.7 U
			0.7 U
Chemical Name: TOLUENE	4.0-5.0 <u>Sample Depth</u> ¹ 9.0	26-Aug-99	
Chemical Name: TOLUENE Location/Sample ID	4.0-5.0 Sample Depth ¹	26-Aug-99 Sample Date	Concentration
Chemical Name: TOLUENE Location/Sample ID TK116-EX-001	4.0-5.0 <u>Sample Depth</u> ¹ 9.0	26-Aug-99 Sample Date 1-Nov-95	<u>Concentration</u> 0.0113 0.0019 0.005 U
Chemical Name: TOLUENE Location/Sample ID TK116-EX-001 TK116-EX-002	4.0-5.0 <b>Sample Depth</b> ¹ 9.0 9.0	26-Aug-99 <b>Sample Date</b> 1-Nov-95 1-Nov-95	<u>Concentration</u> 0.0113 0.0019
Chemical Name: TOLUENE Location/Sample ID TK116-EX-001 TK116-EX-002 TK116-EX-003	4.0-5.0 <u>Sample Depth</u> ¹ <u>9.0</u> <u>9.0</u> <u>9.0</u> <u>9.0</u>	26-Aug-99 <u>Sample Date</u> 1-Nov-95 1-Nov-95 1-Nov-95	<u>Concentration</u> 0.0113 0.0019 0.005 U
Chemical Name:         TOLUENE           Location/Sample ID	4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0 1.0-2.0	26-Aug-99 Sample Date 1-Nov-95 1-Nov-95 1-Nov-95 26-Aug-99	Concentration           0.0113           0.0019           0.005           0.007
Chemical Name:         TOLUENE           Location/Sample ID	4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0 1.0-2.0	26-Aug-99 Sample Date 1-Nov-95 1-Nov-95 1-Nov-95 26-Aug-99	Concentration           0.0113           0.0019           0.005           0.007
Chemical Name:         TOLUENE           Location/Sample ID           TK116-EX-001           TK116-EX-002           TK116-EX-003           UST116-SB-01(1.0-2.0)           UST116-SB-01(4.0-5.0)           Chemical Name:         XYLENES (TOTAL)	4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0 1.0-2.0 4.0-5.0	26-Aug-99 Sample Date 1-Nov-95 1-Nov-95 1-Nov-95 26-Aug-99 26-Aug-99	Concentration           0.0113           0.0019           0.005           0.007           0.007
Chemical Name:         TOLUENE           Location/Sample ID           TK116-EX-001           TK116-EX-002           TK116-EX-003           UST116-SB-01(1.0-2.0)           UST116-SB-01(4.0-5.0)           Chemical Name:         XYLENES (TOTAL)           Location/Sample ID	4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0 1.0-2.0 4.0-5.0 Sample Depth ¹	26-Aug-99 Sample Date 1-Nov-95 1-Nov-95 1-Nov-95 26-Aug-99 26-Aug-99 Sample Date	Concentration           0.0113           0.0019           0.005           0.007           0.007           0.007           0.007           0.007
Chemical Name:         TOLUENE           Location/Sample ID	4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0 1.0-2.0 4.0-5.0 Sample Depth ¹ 9.0	26-Aug-99 Sample Date 1-Nov-95 1-Nov-95 26-Aug-99 26-Aug-99 Sample Date 1-Nov-95	Concentration           0.0113           0.0019           0.005           U           0.007           0.007           U           0.007           0.007           0.007
Chemical Name:         TOLUENE           Location/Sample ID           TK116-EX-001           TK116-EX-002           TK116-EX-003           UST116-SB-01(1.0-2.0)           UST116-SB-01(4.0-5.0)           Chemical Name:         XYLENES (TOTAL)           Location/Sample ID           TK116-EX-001           TK116-EX-002	4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0 1.0-2.0 4.0-5.0 Sample Depth ¹ 9.0 9.0 9.0	26-Aug-99 Sample Date 1-Nov-95 1-Nov-95 26-Aug-99 26-Aug-99 26-Aug-99 Sample Date 1-Nov-95 1-Nov-95	Concentration           0.0113           0.0019           0.005           0.007           0.007           0.007           0.007           0.007           0.007           0.007           0.007           0.007           0.007

Notes:

U - Analyzed for but not detected (reported value is detection limit)

¹ - Feet below ground surface

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 116 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name:	BENZENE		
Location/Sampl	<u>e ID</u>	Sample Date	<b>Concentration</b>
UST116-SB-01		26-Aug-99	0.5 U
UST116-SB-02	· · · · · · · · · · · · · · · · · · ·	26-Aug-99	0.5 U
UST116-SB-03		26-Aug-99	0.5 U
UST116-SB-04		26-Aug-99	0.5 U
Chemical Name:	ETHYLBENZENE		
Location/Sampl	e ID	Sample Date	<b>Concentration</b>
UST116-SB-01		26-Aug-99	0.5 U
UST116-SB-02		26-Aug-99	0.5 U
UST116-SB-03		26-Aug-99	0.5 U
UST116-SB-04		26-Aug-99	0.5 U
Chemical Name:	GASOLINE-RANGE ORGANIC COMPOUNDS		
Location/Sampl	e ID	Sample Date	Concentration
UST116-SB-01		26-Aug-99	50 U
UST116-SB-02		26-Aug-99	50 U
UST116-SB-03		26-Aug-99	50 U
UST116-SB-04	· · · · · · · · · · · · · · · · · · ·	26-Aug-99	50 U
Chemical Name:	METHYL TERTIARY BUTYL ETHER		
Location/Samp	<u>e ID</u>	<u>Sample Date</u>	<b>Concentration</b>
UST116-SB-01		26-Aug-99	1 U
UST116-SB-02		26-Aug-99	1 U
UST116-SB-03		26-Aug-99	<u>1 U</u>
UST116-SB-04		26-Aug-99	1 U
Chemical Name:	TOLUENE		
Location/Sampl	e ID	<u>Sample Date</u>	<b>Concentration</b>
UST116-SB-01		26-Aug-99	0.5 U
UST116-SB-02		26-Aug-99	0.5 U
UST116-SB-03		26-Aug-99	0.5 U
UST116-SB-04		26-Aug-99	0.5 U
Chemical Name:	XYLENES (TOTAL)		
Location/Sampl	e ID	Sample Date	<b>Concentration</b>
UST116-SB-01		26-Aug-99	1 U
UST116-SB-02		26-Aug-99	1 U
UST116-SB-03		26-Aug-99	1 U
UST116-SB-04		26-Aug-99	1 U

Notes:

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 $U_{\rm C}$  - Analyzed for but not detected (reported value is detection limit)

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 130 SOIL DATA (Concentrations in milligrams per kilogram)

#### BENZENE **Chemical Name:** Sample Depth¹ Sample Date **Concentration** Location/Sample ID GP65-1 (5.0-7.0) 5.0-7.0 31-Jan-94 11 U 9.0-11.0 31-Jan-94 12 U GP65-1 (9.0-11.0) GP65-2 (5.0-7.0) 5.0-7.0 01-Feb-94 11 U GP65-2 (9.0-11.0) 9.0-11.0 01-Feb-94 12 U Chemical Name: **ETHYLBENZENE** Sample Depth¹ Location/Sample ID Sample Date **Concentration** 5.0-7.0 11 GP65-1 (5.0-7.0) 31-Jan-94 U 31-Jan-94 GP65-1 (9.0-11.0) 9.0-11.0 12 U GP65-2 (5.0-7.0) 5.0-7.0 01-Feb-94 11 U 01-Feb-94 12 U GP65-2 (9.0-11.0) 9.0-11.0 Chemical Name: TOLUENE Sample Depth¹ Sample Date Concentration Location/Sample ID 5.0-7.0 31-Jan-94 GP65-1 (5.0-7.0) 11 U 9.0-11.0 31-Jan-94 12 U GP65-1 (9.0-11.0) GP65-2 (5.0-7.0) 5.0-7.0 01-Feb-94 11 U 9.0-11.0 01-Feb-94 12 U GP65-2 (9.0-11.0) Chemical Name: **XYLENE** Sample Depth¹ Location/Sample ID Sample Date **Concentration** 5.0-7.0 31-Jan-94 11 GP65-1 (5.0-7.0) U 9.0-11.0 31-Jan-94 12 U GP65-1 (9.0-11.0) 01-Feb-94 11 U GP65-2 (5.0-7.0) 5.0-7.0 GP65-2 (9.0-11.0) U 9.0-11.0 01-Feb-94 12

Notes:

1 - Feet below ground surface (exact depth unknown)

### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT TANK 130 GROUNDWATER DATA (Concentrations in micrograms per liter)

Chemical Name: BENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
HP65-1 (5.0-7.0)	31-Jan-94	2 U
Chemical Name: ETHYLBENZENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
HP65-1 (5.0-7.0)	31-Jan-94	2 U
Chemical Name: TOLUENE		
Location/Sample ID	Sample Date	<b>Concentration</b>
HP65-1 (5.0-7.0)	31-Jan-94	2 U
Chemical Name: XYLENE		
Location/Sample ID	<u>Sample Date</u>	<b>Concentration</b>
HP65-1 (5.0-7.0)	31-Jan-94	2 U

Notes:

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U - Analyzed for but not detected (reported value is detection limit)

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### APPENDIX A

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## SOIL BOREHOLE LOGS AND MONITORING WELL COMPLETION DIAGRAMS

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### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT SOIL BOREHOLE AND CORRESPONDING MONITORING WELL LIST

Tank(s)	Soil Borchole Identification	Corresponding Monitoring Well
15		
18	W5-9	W5-09
22	SBT22-1	WT22-1
28		
30 and 31		
41B		
54		
55	SBT55-1	WT55-1
57	SBT57-1	WT57-1
59		
62 and 62A		
63		
64	WNB-9	WNB-9
66, 67, 68, and 91	W9-12	W9-12
· · · · · · · · · · · · · · · · · · ·	W9-17	W9-17
	W9-37	W9-37
	ERM B14	ERM-4
	W67-1	<b>W67-1</b>
	SB68-1	NA
	W68-1	W68-1
	SBS91-001	W91-1
	SB9SC-15	W9SC-15
	SB9SC-17	NA
69	SBT69-2	WT69-1
77		
78		
86A and 86B		
88		
106	UST106-GP-01	NA
	UST106-GP-02	NA
	UST106-GP-03	NA
	UST106-GP-04	NA
110		
111	UST111-GP-01	NA
	UST111-GP-02	NA
	UST111-GP-03	NA
	UST111-GP-04	NA
116	UST116-GP-01	NA
	UST116-GP-02	NA
	UST116-GP-03	NA
	UST116-GP-04	NA
130		Au

Notes:

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-- Soil borehole logs do not exist for this tank and no monitoring wells exist for this tank

NA Monitoring well not installed in this borehole

				<del></del>		_	
FEET	858				5		BORING NO. W5-9(A1)
	HPLE 4 NUMBER	RECOVERY ( 'N. )	WELL SUMMARY	BLONS ON SAMPLER	STUBOL	ROFILE	FIELD SEOLOGIST W. Hanking DATE DECAN & COORDINATES
ir dir.		2 2 2 2 2		PIC N	SCS	0HC	EDITED BY_J. Hodooli DATE BEGAN <b>8/2/88</b> Checked By_J. Hodooli Date finished <b>8/2/88</b>
8	s an t			- -	S		TOTAL DEFTH 28 feet GROUND SURFACE EL 13.47
E° =			12" Christy box-en		╞╼──		DESCRIPTION SILTY CLAY; dark brown, molst, stiff, low to moderate
EE	NOFI	9/18	8"x5" standpipe	6.9,14	OL		plasticity, organic—rich. PEBBLY CLAY; dark brown, dry to molet, very stiff, low
E. =	MD#2	10/18	4" sch 40 steel	6,12,18			plasticity, organic—rich.
- 5 -	MD#3	12/18	Bentonite/	9,12,10	a		SILTY ULAY; med. to it. brn., wet, med. stiff. low pl. pebbiy SAND: light brown, wet (saturated), loose, with gravel clasts,
	HOM	0/18	Bentonite pelletz	6,9.10	SW		medium to coorse argined.
E 10	S	38/38			CL		SANDY CLAY; medium to light brown, wet(saturated), stiff, low plasticity.
	5	6/24	Centralizer	2 द द	SW		CLAYEY SILTY SAND; medium brown, *et(saturated), soft, toose, low plasticity.
15			S.S. acreen from				SILTY SAND: medium brown, wet, loose,
Ł	S	60/60	Centrolizer	5	CL		SANDY CLAY; medium brown, wet, medium stiff, low to moderate plasticity.
			/IC sond-		SM		CLAYEY SILTY SAND; oronge brown, wet, soft, low plasticity.
20-	s	60/60			ĒL	////	SANDY CLAY; orange brown, wet, medium stiff, low plasticity.
1 1	<b></b>				GW	n ar a T-T-	SILTY SANDY GRAVEL: medium brown, wet, loose.
25			Bentonite		CL SM		SILTY CLAY; medium brown, wet, stiff, moderate plasticity. SILTY SAND; medium brown, wet, loose.
[	s	12/60	bock fill-		CL		SANDY CLAY; medium brown, wet, atilf, moderate plasticity.
F = -				<u>.</u>			TOTAL DEPTH 28 FEET
30-			- <b></b> 12"				
1			м				
35		•					
1 1							
40				i i			
F " ]						łÌ	
F 7							
F 45							
t 1							
1 1							
50							
$\mathbf{F}$	:						
F. F							
F 55							
1							
$\mathbf{F}$							
$F = \overline{F}$		·					
F 65 -					!		
1 1							
			Water Development		L	L]	PAGE 1 OF 1
DRILI	LINC	метн	OD: CME 75 Hollow	v Ste	m 4	Aug	er and a second s
SAM	PLING	мет	HODS: MD=Californi		difie	∎d	Creating a Safer Tomorrow
			S=Split Barr	.el			JEE LEGEND FOR LOGS AND TEST PITS

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Moffett Field, California

# BOREHOLE LOG

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# PRC ENVIRONMENTAL MANAGEMENT, INC.

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Page I of I

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	Client Site: Drilling Drilling Borehol Screen	: U.S. Moffe g Date Company Method: le Diamete Diamete Interval	tt Fede (s): 8- y: <u>SE</u> <u>HSA</u> ter: <u>6</u> r: <u>2</u> ii ; <u>5 to</u>	ral Airfi -8-95 s	ield S inch spät sp bgs js	Persor Persor <u>poon samp</u> Casing Screer Filterp	nnet: <u>Pau</u> Ner Diameter: n Opening: ack Intervai tive Cover:	mmo Bunkers G M & Thomas 2 inches 0.02 inches t: 3.25 to 10 feet Flush Mount	Borehole Designation: Surface Elevation: Seologist: Don McHugh Iell Installation Date (s Casing Material: Casing Material: Screen Material: bgs Bentonite Seal: Elevation of TOC: 1559438.91	
DEPTH (FT)	BLOWS/B in	RECOVERY	TIME	FIELD SCREENING	ANAL YSIS	START OF CORE INTERVAL	GRAPHIC LOG	S	DIL DESCRIPTION	WELL DIAGRAM
- 10	2/1/1 1/2/4	18/18	0950		Geolech. PH/BTEX	5.5	SC	SANDY CLAY; and gravel, lo Moisture conte Becomes grey material and sa BORING TERMI	ent increasing with depth. with abundant organic	

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## BOREHOLE LOG

# PRC ENVIRONMENTAL MANAGEMENT, INC.

Page 1 of 1

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Sit Drii Driii Driii	ent: U.S. e: Moffei ling Date I ing Company ng Method:	tt Feder (s): 8-1 y: <u>SES</u> <u>HSA v</u>	8-95 <u>s</u> with 18-ii	eld Si	Person		ay Radar Geolog	ce Elevation: gist: Don McHugh stallation Date (s,	
Scre	ehole Diamete een Diamete een Interval: t Interval:	r: <u>2 in</u> : <u>5 to</u> <u>0 to 2</u>	inches nches 10 feet ? feet bg Latitude	<u>s</u>	Screen Filterpa	Diameter: Opening: ack Interval ive Cover: L2	Flush Mount	Casing Naterial: Screen Naterial: Bentonite Seal: Elevation of TOC: 0785.79	Schedule 40 PVC Schedule 40 PVC 2 to 3.5 feet bgs 11.01
DEPTH (FT)	RECOVERY	TIME	F IELD SCREENING	ANAL YSIS	START OF CORE INTERVAL	GRAPHIC LOG	Soil de	SCRIPTION	WELL DIAGRAM
5 3/6, 2/3/		1158		Geotech. "PH/BTEX	5.5	SM	medium, some grave	brown, moist, trace s sticity. creasing with depth.	Creen         Protective Casing           Filter Pack         *

### BOREHOLE LOG

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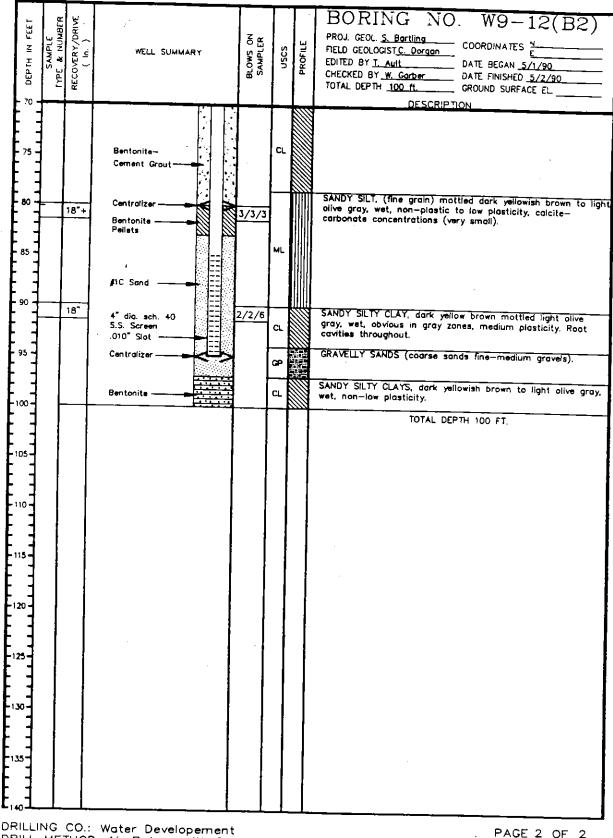
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### PRC ENVIRONMENTAL MANAGEMENT, INC.

	Job Numb Client: U Site: Mo Drilling D Drilling Cor Drilling Met Borehole D Screen Dia Screen In Grout Inte	J.S. NA offett F ate (s): npany: thod: Diameter: ameter: terval:	VY ederal <u>8-8-</u> <u>SES</u> <u>HSA wit</u> <u>6 in</u> <u>2 incl</u> <u>5 to 10</u> <u>0 to 2 f</u>	Air field 95 h 18-inc ches	d Sub	site: An Personne on sampler Casing D Screen C Filterpac	iameter: Opening: ck Interval: ve Cover:	Shop G W S Thomas 2 inches 0.02 inches	orehole Designation: S urface Elevation: eologist: Don McHugh ell Installation Date (s): Casing Material: Casing Material: Screen Material: bgs Bentonite Seal: Elevation of TOC: 1549688.30	8-8-{ Schedule	e 40 PVC e 40 PVC feet bgs
DEPTH (FT)	BLOWS/8 in	RECOVERY	TIME	FIELD Screening	ANAL YSIS	START OF CORE INTERVAL	GRAPHIC LOG		SOIL DESCRIPTION		WELL DIAGRAM
- 5 	4/3/4 2/2/4	13/18 2/18	1512 1517 1521 1526		3eo/Cher	;	SC	SANDY CL. trace silt G INADEQUA SAMPLE OF Becomes s BORING TE		— I	A         Screen         A         Protective Casing         A           IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

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DRILL METHOD: Air Rotary with Drive Casing

PROJECT NO .: 409700 CLIENT: Moffett Naval Air Station LOCATION: Moffett Field, California PAGE 2 OF 2

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SEE LEGEND FOR LOGS AND TEST PITS. FOR EXPLANATION OF SYMBOLS AND TERMS



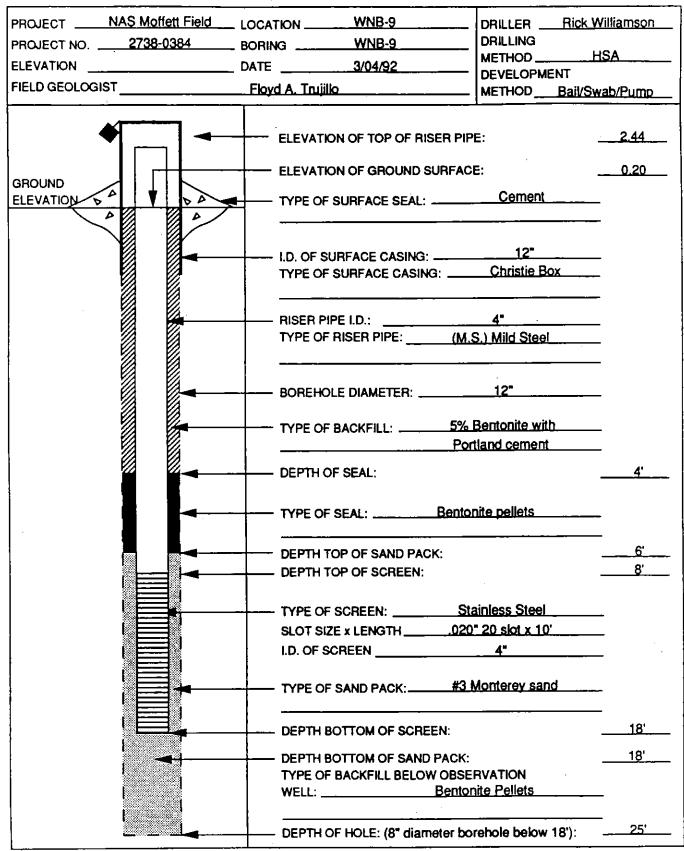
MF-W9-12(MF-19)

<b></b>		·				<u> </u>					
1 00404			<u>HTW [</u>	DR							HOLE NO, WNB-9
	JAMES M. M	ONTGOMER	Y, INC.		2. DRILLIP	IG SUBCON		Vater Development	Corpora		SHEET 1
3. PROJEC				-		4. LOCATION OF 2 SHEETS Motifett Naval Air Station					
5. NAME (		LUAMSON				6. MANUF	ACTURER			<del></del>	
7. SIZE AND TYPE OF DRILLING AND SAMPLING EQUIPMENT			NTINUOUS FLI	IGHT		B. HOLE L	OCATION	N 340756.6			
		HOLLOW	STEM AUGER			9. SURFA		E 1547847.	9		
		2.5" OD C	ONTINUOUS C	ORE				G.S. = 0.20			<u> </u>
			·			10. DATE	STARTED	3/04/92	11. DA	TE COMPL 3/04/	
12. OVERI	BURDEN THICKNESS	N/A			_	15. DEPTH	I GROUND	WATER ENCOUNTERED			
13. DEPTH	DRILLED INTO ROCK	N/A				16. DEPTH	TO WATE	R AND ELAPSED TIME /	VFTER DR		MPLETED
14. TOTAL	DEPTH OF HOLE	25.0'				17. OTHEF		EVEL MEASURMENTS (	SPECIFM)		
18. GEOTE	ECHNICAL SAMPLES	None	DISTURBED		NSTURBED	19. TOTAL	NUMBER	OF CORE BOXES			
20. SAMPL	ES FOR CHEMICAL ANALYS	-			AETALS	OTHER (S	PECIFY)	3 OTHER (SPECIFY)	OTHER	(SPECIFY)	
22. DISPO:		None	BACKFILLED					23. SIGNATURE OF IN			SAMPLE RCVY
		ed as well		+	/NB-9	OTHER (	SPECIFY]	FLOYD TRUJIL		VGEOLOGI	51
ДЕРТН. В	DESC	RIPTION OF MAT	TERIALS		USCS SYMBOL	GRAPHIC LOG	PID (PPM)	ANALYTICAL SAMPLE NO.	BLOW COUNTS		REMARKS
	<u>No Re</u>	<u>coverv</u>					0				
2.0	<u>Clay (CL)</u> Organ a silty clay to 5', Moist. Pockets o Color: Olive gray	Medium plast f brown staini	icity.		CL		0			Sample	recovery = 75%
	<u>Ciay (CL).</u> Silty c	lay. Medium			CL					Sample	recovery = 100%
6.0 	plasticity; stiff, mo nodules present sand at 8' - 9' In a Color: Olive brow	bist. 20% calc 1/2 poorty gr usility clayey n	aded				0				
- - -		• <i>• •</i>									<u>Ā</u>
	<u>Clay (CL).</u> Same	as above.			CL		0			Sample	e recovery = 5%
10.0 7	PRO	JECT NAS N	AOFFETT FIELD					HOLE NO. W	1B-9		

ROJECT		INSPEC	SHEET 2				
NAS MOI	FETT FIELD/NORTH BASE AREA INVESTIGATION		OF 2 SHEETS				
ЕРТН а	DESCRIPTION OF MATERIALS D		GRAPHIC LOG d	PID (PPM)	ANALYTICAL SAMPLE NO. {	BLOW COUNTS	REMARKS ħ
	<u>CLAY (CL).</u> Same as above.						Poor recovery from 9' • 12'
	CLAY (CL). Silty clay. Same as above.	CL		o			Poor recovery
.0	<u>CLAY (CL).</u> Silty clay - stiff, moist, medium plasticity, abundant brown staining. Brown to light gray laminating. Color: Light olive brown (5/6)	CL					Sample recovery = 100%
°				0			
	<u>CLAY (CL).</u> Same as above.	CL		0	·		Sample recovery = 100%
• • • •	<u>Silt (ML).</u> Silt with very fine sands, loose, low plasticity. Moist. Traces of brown staining. Color: Olive yellow (6/8)	ML					Sample recovery = 100%
				0			
							Total depth = 25

BORING NO. WNB-9

#### MONITORING WELL SHEET



F				-	
) JEPTH JN FEET SAMPLE TYPE & NUMBER RECOVERY/DHIVE ( In: )	WELL SUMMARY	BLOWS ON SAMPLER	uscs	PROFILE	BORING       NO.       W9-12(B2)         PROJ. GEOL S. Bartling       COORDINATES N         FIELD GEOLOGIST C. Dorgan       COORDINATES N         EDITED BY I. Ault       DATE BEGAN 5/1/90         CHECKED BY W. Carber       DATE FINISHED 5/2/90         TOTAL DEPTH 100 ft.       CROUND SURFACE EL
	Christy Box-				Asphalt & Fill material.
- <u>MD1 18</u> *	Standpipe	19	ОН		CLAY, olive black, slightly moist, low-moderate plasticity.
5 MD2 17	Top of Casing with Locking Cap	3/4/5			SANDY SILTY CLAY, light olive gray, slightly moist, low plasticity. Some fill material present.
10	5% Bentonite- Cement Grout	3/2/4	c.		Groundwater At 6.5 Ft. SILTY CLAY, dark yellowish brown, moist—wet, moderate to non—plastic mottling to light olive gray. Light olive brown, moist—wet, highly plastic, mottling, some sand.
-15-	Steel Casing				
20-	12" Borehole dia.		ML		SANDY CLAYEY SILT, olive gray, very moist, highly plastic mottling(very fine sands).
30	Centralizer		ML∕A		SANDY SILT (Some gravels), olive gray, wet, non-plastic, gravels are fine and angular.
			a.		SANDY SILTY CLAY, moderate yellowish brown, wet, slightly- moderately cohesive.
35					SILTY CLAY, moderate yellowish brown, wet, highly plastic, some coarse sands.
- 40 -     			сн П		SANDY SILTY CLAY, moderate yellow brown, wet, highly plastic. Some gravels and coarse sand, gravel increase with depth.
-50-			ы		SANDY SILT (gravels still present but increase in size), dark yellowish brown.
-55			9 Alimininini		SILTY CLAY, moderate yellowish brown, highly plastic. Sands and gravels present throughout— increase from very fine—medium grains.
-60 					SILTY SANDY GRAVELS, moderate yellow brown matrix, (coarse sands and gravels).
			3		SILTY CLAY, mottled moderate vellowish brown to olive gray green, high plasticity (less than 1% fine sands), fine crystal— ine calcite/carbonate concentrations. Sand increasing with depth.

DRILLING CO.: Water Developement DRILL METHOD: Air Rotary with Drive Casing

PROJECT NO.: 409700 CLIENT: Moffett Naval Air Station LOCATION: Moffett Field, California

SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS





PAGE 1 OF 2

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MF-W9-12(MF-19)

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U DEMTH IN FEET SAMPLE TYPE & NUMBER RECOVERY/DRIVE ( in )	WELL SUMMARY	BLOWS UN SAMPLER	¹ USCS	PROFILE	BORINGNO. $W9-17(A2)$ PROJ. GEOL.S. BartlingFIELD GEOLOGISTCOORDINATESFIELD GEOLOGISTAultCHECKED BYT. AultCHECKED BYW. GarberTOTAL DEPTH40 ftCHECKELD SURFACEEL.CHECKELD SURFACEEL.
MD1 13/18 MD2 13/18 MD3 13/18 42/42 10 50/60 20 50/60 30 24/60 35 50/60		6/12/21 9/10/11 7.'9/11	ML CL SC ML SW CL SM ML		DESCRIPTION CLAYEY SILT: dark gray, slightly moist, moderately plastic. Color alternating: light to dark gray. Increasing sand content, grayish olive to light olive gray, 6,0 SANDY SILTY CLAY: moderate light olive brown to dusky yellow brown at 6.5', mottled e 9', moist, slightly plastic, soft, 9.0' CLAYEY SAND; very fine grained, dark gray, moist to slightly moist, loose. SANDY SILT; light olive brown, moist, soft, non-plastic. U SILTY CLAY; (some very fine sand), medium dark gray, very soft, medium plasticity. CLAYEY SAND; very fine grained, dark gray, wet, loose. CLAYEY SAND; very fine grained, dark gray, wet, loose. CLAYEY SAND; very fine sand), dark greenish gray, very wet, soft, non-plastic. SAND: fine to medium grained, light olive brown, very wet, loose, minor clay. SILTY CLAY; dark yellowish orange, moist, firm, medium plasticity. SILTY CLAY; dark yellowish brown, moist to very moist, firm to very soft, low to medium plasticity. CLAYEY SILT; dark yellowish brown, moist to very moist, firm to very soft, low to medium plasticity. TOTAL DEPTH 40 FEET

DRILLING CO.: Water Developement DRILL METHOD: Hollow Stem Auger (Rig CME-75)

PROJECT NO.: 409700 CLIENT: Moffett Naval Air Station LOCATION: Moffett Field, California SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS



INTERNATIONAL TECHNOLOGY CORPORATION

MF-W9-17(+MF13)

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O DEPTH IN FLET SAMPLE TYPE & NUMBER RECOVERY/DHIVE ( in )	WELL SUMMARY	BLOWS ON SAMPLER	uscs	PROFILE	BORING NO. W9-37(A1) PROJ. GEOL S. Bartling FIELD GEOLOGIST T. Ault EDITED BY T. Ault COORDINATES N EDITED BY T. Ault DATE BEGAN 4-10-90 CHECKED BY W. Garber DATE FINISHED 4-10-90 TOTAL DEPTH 21.5 feet DE SCRIPTION			
MD1 16/18 MD2 14/18 5 MD3 14/18 5 MD3 14/18 1 50/60 15 80/60 15 80/60 15 80/60	Bentonite/ Cement Grout 4" C.S. Sch 40 Casing Bentonite #1C Sand 4" dia. sch. 40 S.S. Screen .010" Stot				SILTY CLAY: medium light gray dark gray, slightly moist. firm, moderately plastic. SILTY CLAY: dark yellowish brown, low plasticity, slightly moist, firm, CLAYEY SILT: olive gray (7-8), moderate yellow brown beio slightly moist to moist, soft, low plasticity, some coarse sai inclusions near top of unit. ♥ Groundwater encountered at 11.0' TSILTY SAND: dark orange yellow to light olive gray, wet. medium dense to loose, fine to very fine sand 14.0 Very fine sand. SILTY CLAY: dark gray, moist, firm, medium plasticity. 16.0 SANDY GRAVEL: light olive brown, very wet, loose sand, fine to coarse gravel, some silt 16-17', coarse material sub- angular.			
					CLAY: light gray, soft, moist, moderately plastic. TOTAL DEPTH 21.5 FEET			

DRILLING CO.: Water Developement DRILL METHOD: Hollow Stem Auger (Rig CME-75)

PROJECT NO.: 409700 CLIENT: Moffett Naval Air Station LOCATION: Moffett Field, California PAGE 1 OF 1

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SEE LEGEND FOR LOGS AND TEST PITS FOR EXPLANATION OF SYMBOLS AND TERMS



MF-W9-37(MF14)

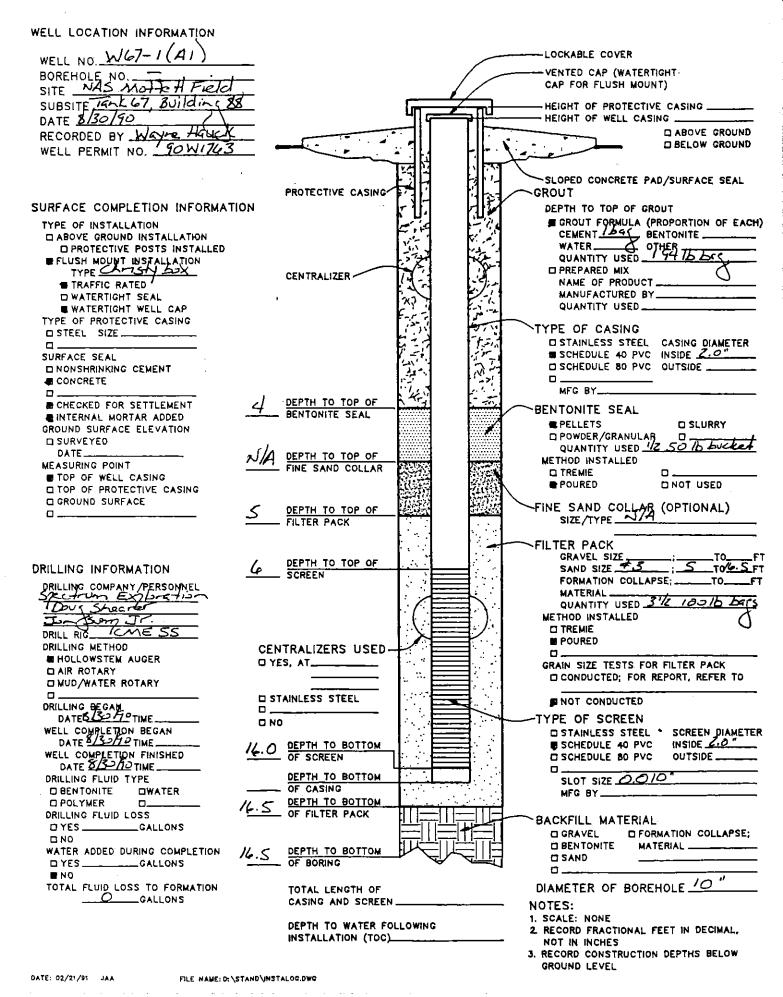
	I-WEST onmental Res	ources Management	Drilling Log
Location     Mou       Boring Name     B)4       Well Name     MW       Surface Elevation	4 Iollow Stem Aug -87/1610 tk Berkstresser -spoon sampler	Ilion       Client       U.S. Navy         Project #       40027         Boring Depth       20       fl. below L.S.         Boring Diameter       8"       inches         First Water noted       fl. below L.S.       Doug         EI       Sampling Method(s) Shelby Tube/Split Sp.       Shelby Tube/Split Sp.         Finish (Date/Time)       3-12-87         was used at 2', 3.5', 7.5' and 12.5'; Shelby tube         he other samples	Sketch
Depth Soil/Rock Type (feet) Graphic / USCS	Well S Construction	ample DESCRI No. (Consistency, Moisture, Color, Soil/Rock typ	PTION e; Structures, Water level, odor, stains, etc.)
0 - C - C - C - C - C - C - C - C - C -		<ul> <li>greyish-brown GRAVEL, fine to coarse SAN solvent odor</li> <li>yellow-brown SAND, SILT and CLAY; no orange specks at 2.3 ft.</li> <li>light brownish grey CLAY</li> <li>becomes dark greenish grey</li> <li>medium greenish-grey CLAY; mottled white some roots visible</li> <li>becomes darker grey with white to ligh</li> <li>medium grey CLAY; no odor</li> <li>dense, medium grey, fine to medium GRAVE medium grey, SILT and CLAY with a trace of</li> <li>medium grey CLAY with some SILT and some medium grey SILTY CLAY; no odor</li> <li>medium grey CLAY and SILT; no odor</li> <li>medium grey CLAY and SILT; no odor</li> <li>dive grey CLAY and SILT with some mediu</li> <li>olive grey CLAY and SILT with some mediu</li> <li>dark grey, SILTY CLAY; odor is like normal</li> <li>dark grey, CLAY with some SILT and some votor is like normal Bay mud</li> <li>dark grey CLAY and SILT; no odor</li> <li>dark grey CLAY and SILT; no odor</li> <li>dark grey CLAY with some SILT and some votor is like normal Bay mud</li> <li>dark grey CLAY and SILT; no odor</li> </ul>	D, SILT and CLAY; no petroleum or odor; 1/2" black layer with white and t gray mottling; no odor L, SILT, and CLAY (tight) GRAVEL ne coarse SAND (tight) with some SILT; no odor no odor m and coarse SAND; no odor Bay mud very fine SAND; a few coarse sand grains; CLAY; no odor

### PRC ENVIRONMENTAL MANAGEMENT, INC

										SHEET 1 of 1			
	i	LOCA	TION O	F BORI	EHOLE			JOB	NO: 04	4-0024 IRRSCFW BOREHOLE DESIGNATION: W67-1(A1)			
								CLIE	ENT: U.S	Navy SURFACE ELEVATION:			
								SITE	NAS 1	Moffett Field DEPTH TO WATER:			
								SUB	SITE: 7	Tank 67, Building 88 LOGGED BY: Wayne Hauck			
								DRII	LING CO	D: Spectrum Exploration DRILLING DATE(S): 8/30/90			
								DRI	LING PE	RSONNEL/METHOD: Doug Shearer, Jon Sump Jr., CME-55; 6 inch ID, 10			
				·	,			inch OD HSA; split spoon sampler					
SAMPLEF TYPE	SAMPLE DEPTH	BLOW CTS	RECVD DRIVEN	TIME	OVM READING	ANLYS Phy Ch	WELL INFO	DEPTH IN FT	USCS GRAPHICS	SOIL DESCRIPTION			
								1.		0.0 to 4.0 ft: Silty clay with sand, dark gray brown, stiff, dry to damp, no odor.			
								2	мL				
						ļ		3					
	2.5 - 4.0	41510	<u>1.5</u> 1.5		0			4		4.0 to 8.0 ft; Clay, slightly sandy, gray brown, slightly stiff, moist, no odor.			
								5					
	5.0 - 6.5		<u>1.5</u> 1.5		0			6	CL				
								ľ	~ <u>~</u>				
						<u> </u>		7		· · · · · · · · · · · · · · · · · · ·			
	76		1.6		0	<b> </b>		8		8.0 to 12.5 ft: Silt, gray brown, yellow mottling, soft, wet, no odor.			
	7.5 - 9.0	135	$\frac{1.5}{1.5}$					9					
					<u> </u>			10					
								11					
								12	м				
	1	Ī			1				ML	12.5 to 16.0 ft: Silt, slightly sendy, gray brown, mottled, firm, wet.			
	12.5 - 14.0	2	0				}	13					
	14.0	223	<u>0</u> 1.5					14					
		<u> </u>			ļ	<b> </b>	l	15					
	14.5 - 16.0	$\frac{2}{3}{4}$	<u>1.5</u> 1.5					16		TOTAL DEPTH = $16.0$ FT			

# ENVIRONMENTAL MANAGEMENT, INC.

#### MONITORING WELL INSTALLATION RECORD NONTELESCOPING WELL



### PRC ENVIRONMENTAL MANAGEMENT, INC.

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		LOCA	TION O	FBOR	EHOLE			JOB	NO: 04	4-0024 IRRSCFW BOREHOLE DESIGNATION: SB68-1(A1)			
									<u>ENT:</u> U.				
								1		Moffet Field DEPTH TO WATER:			
								SUBSITE: Tank 68, Building 88 LOGGED BY: Willis Wilcoxon					
										0: Spectrum Exploration DRILLING DATE(S): 12/6/90			
										ERSONNEL/METHOD: Ray Livingston, Jay Leonard, CME-55; 6 inch ID, 10			
										; split spoon sampler, 45° angle			
SAMPLER TYPE.	SAMPLE DEPTH	BLOW CTS	<u>RE</u> CVD DRIVEN	TIME	PID READING	ANLYS Pby Ch	WELL INFO		USCS GRAPHICS	SOIL DESCRIPTION			
								1		0.0 to 7.0 ft: Clay with silt, light gray (5Y6/1), moist, low plasticity, no odor.			
			_										
								2					
	2.5 -		1.1	1300	<b>├</b> ──-			3					
	4.0		<u>1.1</u> 1.5					4					
								5	CL				
									CL				
								6					
					· ·			7		7.0 to 12.5 ft: Clay, brown (5Y2.5/1), medium plasticity, moist, no odor.			
	7.			1210	<b> </b>			8					
	7.5 9.0		$\frac{1.1}{1.5}$	1310				9					
								10					
								11					
								12					
										12.5 to 16.0 ft: Silly sand, medium gray (5Y4/1), trace mottled brown, very soft, wet, nonplastic, mottled color increases with depth.			
	12.5 - 14.0		<u>1.5</u> 1.5	1320				13		- · · · · · · · · · · ·			
			<u> </u>					14	SM				
								15					
								16					
								10		<u>16.0 to 23.5 ft</u> : Poorly graded sand, green brown (5Y4/2), mottled rust (5Y4/2) wet, no odor, root channels.			
								17					
	17.5 -		<u>1.5</u> 1.5	1340				18	SP				
	19.0		1.5	-				19					
								20					

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### PRC ENVIRONMENTAL MANAGEMENT, INC.

SHEET 2 of 2

JOB N	D: 044	-0024	IRRSCF	W _				BOR	DESIGNATION: SB68-1(A1) continued	
SAMPLER TYPE	SAMPLE DEPTH	BLOW CTS	RECVD DRIVEN	TIME	PID READING	ANLYS Phy Ch	WELL INFO	DEPTH IN FT	USCS GRAPHICS	SOIL DESCRIPTION
								21 22		
								23 24		23.5 to 25.5 ft: Sandy silt, medium gray (2.5YR4/0), soft, low plasticity, root channels.
	25.0 - 26.5		<u>1.3</u> 1.5	1350				25 26	ML SM	25.5 to 26.5 ft: Silty sand with clay, gray (2.5YR4/0), soft, low plasticity, slight solvent odor, root channels. TOTAL DEPTH = 26.5 FT
								27		

### PRC ENVIRONMENTAL MANAGEMENT, INC

					EHOLE			T		SHEET 1 of 2
								JOB	NO: 04	4-0024 IRRSCFW BOREHOLE DESIGNATION: W68-1(A1)
								CLIE	NT: U.S	Navy SURFACE ELEVATION:
								SITE	: NAS I	Moffen Field DEPTH TO WATER:
								SUB	SITE: 1	Fank 68, Building 88 LOGGED BY: Willis Wilcoxon
								DRI	LING CO	D: Spectrum Exploration DRILLING DATE(S): 9/6/90
								DRI	LING PH	RSONNEL/METHOD: Ray Livingston, Jay Leonard, CME-55; 6 inch ID, 10
								inch	OD HSA	split spoon sampler, 45° angle
SAMPLER TYPE	SAMPLE DEPTH	BLOW CTS	RECVD DRIVEN	TIME	PID READING	ANLYS Phy Ch	WELL INFO	DEPTH IN FT	USCS GRAPHICS	SOIL DESCRIPTION
								1		0.0 to 7.0 ft: Silty clay with sand and gravel, brown (10YR3/2), dry to trace moisture, no odor, fill material.
							1	2		
	2.5 -		10	1100			4	3		
	4.0		$\frac{1.0}{1.5}$	1.00				4		
							1	[•]		
							ł	5		
								6	CL	
								7		7.0 to 11.0 ft: Silty clay with trace sand, medium gray (5Y4/1), moist, low plasticity, no odor, color changes to gray (5Y6/1).
	ļ			<u> </u>		<b> </b>		8		
	7.5 -		$\frac{1.2}{1.5}$	1200						
				<u> </u>				9		
		İ		ļ		<u> </u>	4	10		
							1	11		11.0 to 16.0 ft: Silt with sand, gray (5Y5/1), mottled gold brown, wet, no odor mottled color increases with depth.
	<u> </u>	<b> </b>			<b> </b>	<u> </u>	4	12		
		1					1	1.2		
	12.5 -		<u>1.25</u> 1.5	1205	1	1	1	13	ML	
	14.0	<b> </b>	1.5		ļ		4	14	<b> </b>	
		1	1					15		
	1	1		1		1	1			<u>16.0 to 23.0 ft;</u> Silty sand, gray (5Y4/2), soft, nonplastic, no odor, root channels.
		<u> </u>	<b> </b>	<u> </u>	┨───	<u> </u>	-	16	1	16.0 to 23.0 ft: Silty sand, gray (5Y4/2), soft, nonplastic, no odor, root channels.
								17		
		1					7			
	17.5 -		15	1215		╂	-	18	SM	
	19.0		<u>1.5</u> 1.5					19		
		Ĩ					7			
L		L			<u> </u>	<u> </u>		20		<u> </u>

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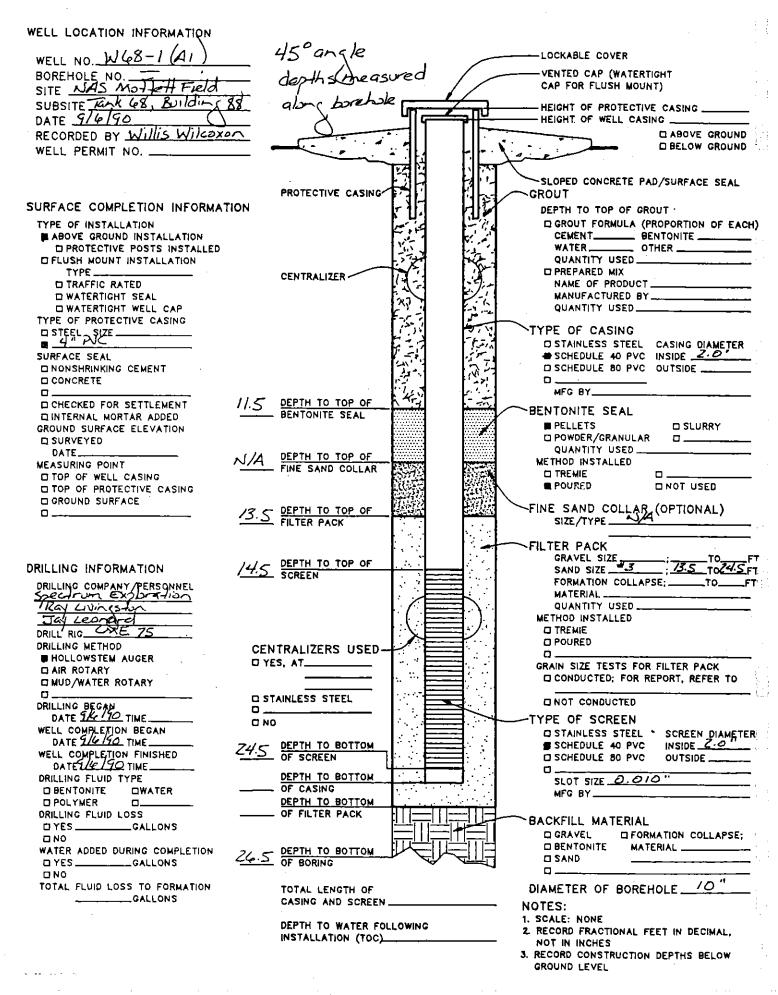
#### PRC ENVIRONMENTAL MANAGEMENT, INC.

SHEET 2 of 2

JOB NO	D: 044	-0024	IRRSCF	w				BOR	BOREHOLE DESIGNATION: W68-1(A1) continued						
SAMPLER TYPE	SAMPLE DEPTH	BLOW CTS	RECVD DRIVEN	TIME	PID READING	ANLYS Phy Cla	WELL INFO	DEPTH IN FT	USCS GRAPHICS	SOIL DESCRIPTION					
								21							
								22							
								23		<u>23.0 to 25.5 ft</u> : Well graded sand with silt, very fine to coarse, angular to subangular sand, gray (2.5Y3/0), soft, weak cementation.					
	05.0		1.20	1006			u.	24 25	sw						
	25.0 - 26.5		<u>1.25</u> 1.5	1225				26	ML	25.5 to 26.5 ft: Clayey silt with trace sand, gray (2.5Y3/0), low plasticity, no odor. TOTAL DEPTH = 26.5 FT					
ł								27							

# ENVIRONMENTAL MANAGEMENT, INC.

#### MONITORING WELL INSTALLATION RECORD NONTELESCOPING WELL



# BORELOG

**PRCENVIRONMENTAL MANAGEMENT, INC.** 

SHEET 2 OF 2

		LOC	ATION O	F BOREL	OG			JOB	NO.: 04	4-0170IRFSFW	BOREHOLE DESIGNATION: SBS91-001		
ľ								CLIE	INT: U.S	. NAVY	SURFACE ELEVATION: 22.4		
								SITE: Molfett Field			DEPTH TO WATER: 18.5'		
								SUBS	SITE:		LOGGED BY: Shaleigh Whitesell		
								DRI	LING C	O.: West Her Mat	DRILLING DATE(S): 5/28/92		
							į	DRII	DRILLING PERSONNEL/METHOD:				
								Read	Randy Walfe, Jaff Smith				
SAMPLER TYPE	BAMPLE DEPTH TOP BOT	BLOWS/	MECOVERED DRIVIN	TRAE	HD Mit		WELL Into.	oernu In Ft.	UIICE BOIL TYPE BRAMIC LOB		SOIL DESCRIPTION		
СВ	20.0		2.0/5.0	1				21		20.0 to 23.0 feet: N	o sample; may be flowing sand.		
					12.4			22					
		<b> </b>						23	sw	light olive brown, nor	and and gravel (SW); sand is coarse-grained, plastic, subround gravel, sample		
								24		SBS91-001(24.5) coll	ected.		
	25.0					x		25	· ·				
CB	25.0		3.0/5.0					26		25.0 to 27.0 feet: No sample; may be flowing send.	a sample; may be flowing sand.		
								27					
					15.9	x			sw		and and gravel (SW); sand is coarse-grained, nplastic, wet, subround gravel, sample		
								28		SBS91-001(27.5) col			
				×				29	CL				
СВ	30.0 30.0							30		29.0 to 30.0 feet: S light olive brown, mo	ilty clay (CL); moderate olive brown mottled wit derately plastic, moist.		
~	30.0		5.0/5.0					31	CL		ilty clay (CL); yellowish gray, moderately plastic		
								32		some subround grava	clests.		
								33					
					890								
								34	sw		and and gravel (SW); sand is coarse-grained, t, subround gravel; sample SBS91-001(35.0)		
	35.0				<b> </b>	X	┝┫═┡╴	35		TD at 35.0'.			
							┝┄┺╤╼╉╴╵	36					
J								37					
Ì								38					
								39					
								40					
		└ <b>─</b> ₊-			1			1 <del>4</del> 0		L			

# BORELOG

**PRC**ENVIRONMENTAL MANAGEMENT, INC.

SHEET 1 OF 2

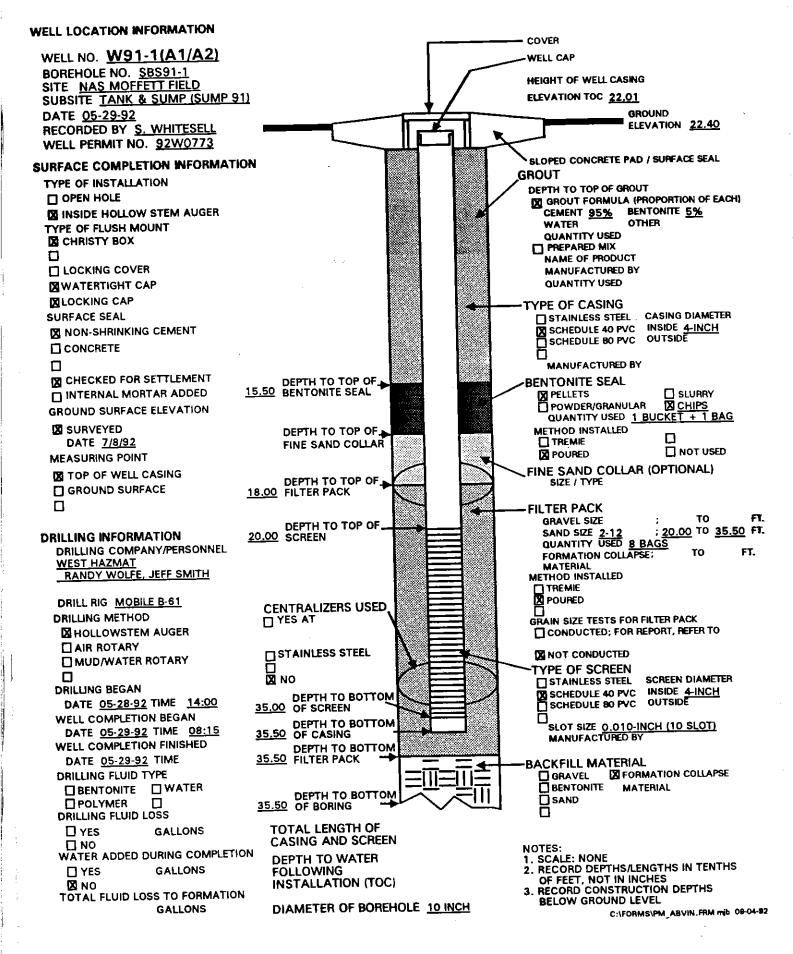
1.4

				E BOREL	<u>.</u>			JOB	NO.: 04	4-0170IRFSFW	BOREHOLE DESIGNATION: SBS91-001			
		000	ATION O	PUNLD				CLI	ENT: U.S	. NAVY	SURFACE ELEVATION: 22.3			
	*							SITE	: Moffet	Field	DEPTH TO WATER: 18.5'			
								SUB	SITE:		LOGGED BY: Shaleigh Whitesell			
								DRI	LLING C	O.: West Haz Mat	DRILLING DATE(S): 5/28/92			
								DRU	LLING P	ERSONNEL/METHOD:				
							-		Randy Wolfe, Jeff Smith/ Hollow stam auger, sampled with 2 1/2* ID core barrel (CB) through 6* sugers.					
BAMPLER TYPE	EAMMLE JI C C O C O C O C O C O C O C O C O C O								UBCB BOIL TYPE QIMPHIC LOB		SOIL DESCRIPTION			
		<i>.</i>						1		Augered to 5.0' witho	but sampler.			
								2						
								3						
								4						
								5		5.0 to 8.5 feet: Clay	(CL); light olive gray and olive gray, dry,			
ن. •	5.0		4.0/5.0					6	CL moderate plasticity, sample SBS91-001(6.0) collected for TPH and VOC analysis.					
						X		7						
	•				5.5			1		1				
					i			8		8.5 to 10.0 feet: Cla brown, moderate plati	y (CL); dusky yellow mottled with light olive			
		<u> </u>						9	CL					
	10.0							10		10.0 to 13.8 feet: C	layey silt (ML); light olive gray mottled with light			
<b>:</b> B	10.0		5.0/5.0					11	ML	olive brown, small sil	t stringers, at 12.5 ft., color changes to light S91-001(12.5) collected.			
								12						
			1		21.7	x		13						
			1											
		┝	1					14	ML		layey silt (ML); light olive gray, no mottles,			
	15.0				1			15		nonpl <b>es</b> tic.				
CB	15.0		5.0/5.0					16	CL		ilty clay (CL); olive gray, moderately plastic, mple SBS91-001(15.0) collected.			
		F	1					17						
		$\square$	]		17.8			18	СН	17.3 to 18.5 feet: C	lay (CH); light olive brown, plastic, moist.			
	ļ	F	1				19 SW 18.5 to 20.0 feet: Sand and gravel (SW); sand is coarse-grained,							
			1					·			t, semple SBS91-001(20.0) collected.			
	20.0	<u> </u>	<u> </u>		<u> </u>	¦X		20	1	]				

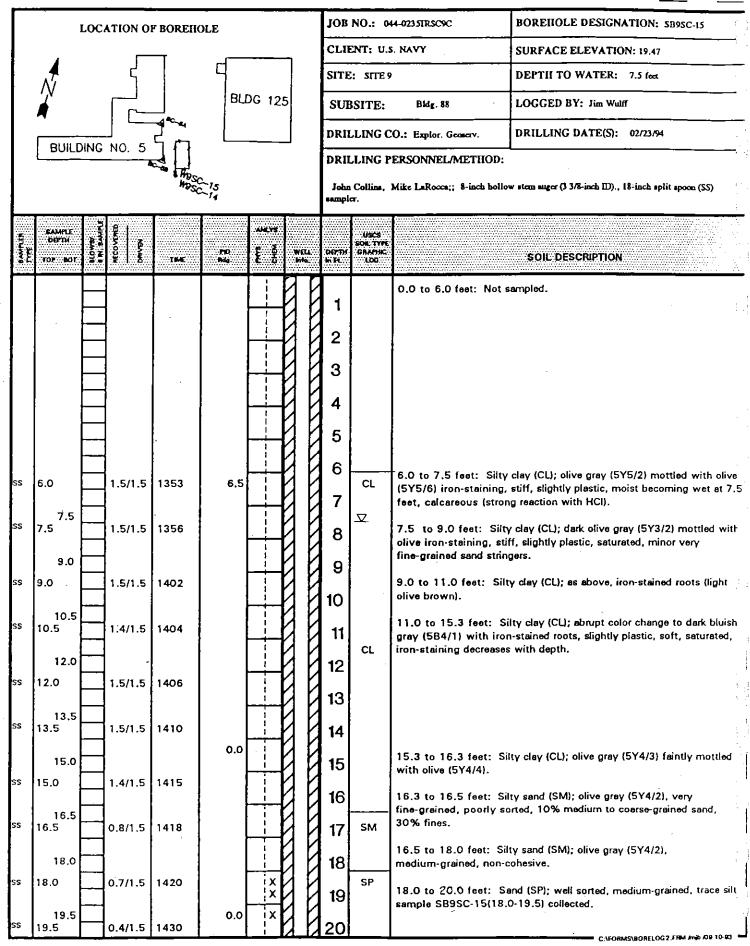
#### PRE ENVIRONMENTAL MANAGEMENT, INC.

#### MONITORING WELL INSTALLATION RECORD FLUSH MOUNT INSTALLATION





**MRC** ENVIRONMENTAL MANAGEMENT, INC.



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SHEET 2 OF 2

Γ		LOC	ATION O	F BOREII	OLE			JOB	NO.:		BOREHOLE DESIGNATION: SB9SC-15
ļ								CLI	ENT:		SURFACE ELEVATION:
								SITE	2:		DEPTH TO WATER:
								BOR	ING DL	MM.:	LOGGED BY:
								DRI	LLING C	20.:	DRILLING DATE(S):
								DRI	LLING P	ERSONNEL/METHOD:	
ewintin	BAMPLE DEPTH TOP BOT	BLOWS		TME	P10 Rdg	e g	WELL	QG7TH In Ft.	USCS SOL TYPE GRACHIC LDG		SOIL DESCRIPTION
55 55 55 55 55	21.0 21.0 22.5 22.5 24.0 24.0 24.0 25.5 25.5 27.0 27.0 27.0 28.5 30.0 30.0 30.0 30.0 31.5 31.5 31.5 33.0		1.0/1.5 0.7/1.5 1.0/1.5 1.5/1.5 1.2/1.5 0.2/1.5 0.9/1.5	1435 1440 1451 1500 1506 1510 1515 1520	2.5			21 22 23 24 25 26 27 28 29 30 31 32 30 31 32 33 34 35 36 37 38 37 38 39 40	CL CL ML CL GP SP CL	greenish gray (5BG4/1) depth of contact is est. 21.0 to 24.0 feet: San saturated, 25% sand, 1 and other metamorphic red (iron-rich) sandstom sandstones have decom rock fragment. 24.0 to 26.0 feet: Gra nonplastic, sticky, satu gravel is subround, max 26.0 to 28.0 feet: Silt very calcareous (strong white gastropods, abun 28.0 to 28.5 feet: Silt (5Y5/6), may be iron-st mm), dark pebbles. 28.5 to 29.1 feet: Clar slight reaction with HCL. 29.7 to 30.0 feet: Grav subangular to subround. 30.0 to 32.5 feet: Sample S	ty clay (CL); sharp color contact separates dark ) silty clay from overlying olive gray sand, imated because of poor recovery. ndy clay (CL); dark greenish gray (5G4/1), soft, 5-10% gravel, consisting of hard greenstone ; pebbles, chert, and weathered sandstones, hes are hard and intact, white (clean quartz) inposed to sand, but maintain the outline of a evely clay (CL); color as above, very soft, rated, 50% fines, 30% gravel, 20% sand, ., size = 20 mm. Y clay (CL); color as above, very stiff, moist, reaction with HCl), rooted, numerous small, idant calcareous nodules. y clay (CL); olive gray (5Y5/2) mottled olive taining, slightly plastic, occasional small (1-2 yey silt (ML); color as above, sticky, nonplastc. y clay (CL); as above from 28.0 to 28.5 feet, vel (GP); well sorted, 1-10 mm in size, d (SP); olive gray (5Y4/2), well sorted, SB9SC-15(32.0) collected. y clay (CL); plae olive (5Y6/4), stiff, calcareous

# **FRC** ENVIRONMENTAL MANAGEMENT, INC.

									1	_		
I	I	LOCA	TIO	N OI	F BOREHO	DLE			JOB	NO.: 04	4-0235IRSC9C	BOREHOLE DESIGNATION: SB9SC-017
1									CLI	ENT: U.S	. NAVY	SURFACE ELEVATION: 21.2
									SITE	: Moffet	Federal Airfield	DEPTH TO WATER:
									SUB	SITE: Sit	e 9, Bidg 88	LOGGED BY: Brian Schuller
ĺ									DRII	LING C	O.: Bayland	DRILLING DATE(S): 11-8-94
									DRII	LING P	ERSONNEL/METHOD:	
										Slagle (dri core barrel		E-75 with hollow stem auger, 6.5" OD, sampled with 5-foot
	<u> </u>	E.	-		_			1				· · · · · · · · · · · · · · · · · · ·
SAMPLER	SAMPLE Depth	BLOW'S/ 6 IN. SAMPLE	RECOVERED	DRIVEN		PiD	ANLYS	WELL	DEPTH.	USCS SOIL TYPE GRAPHIC		
3 È	ТОР ВОТ	ELC 6 IN C	Ш.	28	TIME	Rdg.	CHEM	info.	in Ft.	LOG		SOIL DESCRIPTION
СВ	0										0.0 to 5.0 feet: Auge	er without sampler.
									1			
									2			
									3			
									4			
	5											
•	5		5.0/	5.0	1400				5	CL	alluvial floodplain dep	Y CLAY (CL); black, stiff, slightly plastic, typical osits found at this depth across the site.
									6	CL/ML	(2.5Y 471) near top of	TY CLAY to CLAYEY SILT (CL/ML); dark gray f interval to gray (2.5Y 5/1) near bottom of
									7		interval, olive brown i SAND near 9.2 feet.	mottles, calcareous nodules, grades to CLAYEY
									8			
									9			
СB	10 10		5.0/	- 0	1405				10			
			5.0/	5.0	1405				1	sc /		AYEY SAND (SC); greenish gray (5BG 5/1) 2.5Y 4/4), very fine to fine, some plasticity as a
									2		sector of our controlle	
										ML	12.0 to 13.0 feet: C more fines, some plast	LAYEY SILT (ML); as above with less sand and ticity.
									3	SM		AND (SM); dark gravish brown (2.5Y 4/2) to
	15								4		dark greenish gray fro	m 14.7 to 15.0 feet, some rust mottles around a, well sorted, no reaction with HCI.
СВ	15		4.3/	5.0	1425				5	СГ	15.0 to 15.3 feet: S/	ANDY CLAY (CL); olive gray (5Y 5/2), slightly
									6	sc	plastic, saturated, no c	
									7	_ *		LAYEY SAND (SC); very fine to fine, coarsens at dium), saturated, roots, no odor, some pebbles.
i									8			
İ												
	20								9 20			
	L20								120	L		C.\FORM\$\BORELOG.FRM /mjb /01-26-93

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SHEET 2 OF 2

		.0CA	TION O	F BOREHO	DLE		_	JOB	NO.:		BOREHOLE DESIGNATION: SB9SC-017
•								CLI	ENT:		SURFACE ELEVATION:
								SITE	:		DEPTH TO WATER:
								SUB	SITE:		LOGGED BY:
								DRII	LING C	0.:	DRILLING DATE(S):
								DRII	LING P	ERSONNEL/METHOD:	
		ų		F T							
SAMPLER TYPE	SAMPLE DEPTH	BLOWS/ B IN, SAMPLE	RECOVERED		PID	ANLYS	WELL	ОЕРТН	USCS SOIL TYPE GRAPHIC		
		80		TIME	Adg.	PHYS	into, ,	in Ft.	LOG		SOIL DESCRIPTION
СВ	20		5.0/5.0	1440				1	SC	20.0 to 25.0 feet: As approximately 24.7 fe	s above; coarse SAND (SC) interval at set, color change to dark bluish gray (5B 4/1) at
	-									24.5 feet, roots, occas	sional spiral shell, no odor.
İ					5.0 -	_		2			
					10.0			3			
	;							4			
ŀ	25					X		5		Total depth (drilled) =	25.0 feet.
								6			
			į					7	:		
								8			
	•							9			
			·					30			
								1			
		_						2			
		_						3			
								4			
						:					
		-						5		×	
								6			
								7			
-								8			
								9			
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								· · · ·			C:\FORMS\BORELOG.FRM /mib /01-26-93

### PRC ENVIRONMENTAL MANAGEMENT, INC.

Page 1 of 1

Job Number: 0440267IRSIFW	Well Designation: MWT69-1	Borehole Designation: SBT69-2	
Client: U.S. NAVY		Surface Elevation:	
Site: Moffett Federal Airfield	Subsite: Hangar 3 East Parking	Geologist: Don McHugh	
Drilling Date (s): 8-8-95		Well Installation Date (s): 8-8-95	
Drilling Company: SES	PersonnelPaul & Thomas		
Drilling Method: HSA with 18-inch spl	it spoon sampler	<u> </u>	
Borehole Diameter: 6 inches	Casing Diameter: <u>2 inches</u>	Casing Material: Schedule 40 PVC	
Screen Diameter: <u>2 inches</u>	Screen Opening: 0.02 inches	Screen Material: Schedule 40 PVC	
Screen Interval: 5 to 10 feet bgs	Filterpack Interval: 3.5 to 10 t	eet bgs Bentonite Seal: 2 to 3.5 feet bgs	
Grout Interval: 0 to 2 feet bgs	Protective Cover: Flush Mount	Elevation of TOC:10.68	
Lalitude: _	337190.83 Longitude:	1552797.83	

DEPTH (FT)	BLOWS/6 in	RECOVERY	TIME	FIELD SCREENING	ANAL YSIS	START OF CORE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	WELL DIAGRAM	
			1707				RC	REINF. CONCRETE; for 6 inches. SANDY CLAY; dark brown, moist, trace silt		
- 5							SC	G gravel, low plasticity.	Screen + Protective Casing	
-	2/1/1	15/18	1714		ГРН/ВТЕХ	8.5		Becomes tan, moisture increasing.	S 311	
-								Becomes saturated.		1940 - 1940 1940 - 1940
10 								BORING TERMINATED at 10° bgs. Converted to 2" PVC Monitoring Well.		
- 15			·							1::

#### <u>Tetra Tech EM Inc.</u>

		LOC	ATION	OF BO	REHC	DLE			TNO.: G0069-226G0401	BOREHOLE DESIGNA	TION: UST106-GP-0
								CLIENT:	US Navy	SURFACE ELEVATION	
								SITE:	Moffett Federal Airfield	DEPTH TO WATER:	6.7'
								SUBSITE	: Tank 106	LOGGED BY:	S. Jones
								DRILLING	CO.: Fast-Tek	DRILLING DATE(s):	8/26/99
								DRILLING	PERSONNEL/METHOD:		
									Direct F	'ush, 2" Macro Core	
SAMPLER TYPE	DE	PLE	RECOVERED DRIVEN	TIME	PID READING	CHEMICAL ANALYSIS	ĎEPTH (ft.)	USCS Soli Typ Graphic		SOIL DESCRIPTION	
ø⊢ 	TOP	BOT	<u>~</u>	╂┛╌──		고로	<u>ā</u> ,	Log		<u> </u>	
								NR			
	0	4	3/4	1126	0			CL	slightly plastic, dry	ll sorted sand, very slightl firm.	y sticky, vêry
									CLAYEY SILTY S/ soft, moist, non sti	ND; light olive brown (2.) cky, very slightly plastic.	Y 5/3), moderately
•					[ .				NO RECOVERY		
								NR			
							5	NR	NO RECOVERY;	lough.	
	4	8	2.5/4	1136	o			sw	GRAVELLY SAND some finer grains, brown (2.5Y 5/3), r	; not well sorted, medium wet, soft, non sticky, non j nedium, soft.	coarse sand with plastic, light olive
								CL		y slightlý sticky, slightly pl .5Y 5/4), moderately sorte	astic, firm, moist, d sand.
								CL	SANDY CLAY; sar sticky, plastic, fine (5Y 5/3), moderate	ne as above with gravel, r to medium sand, moderat ly soft.	noist, very slightly ely sorted, olive
	8	12	4/4	1142	o		10	ML	SILTY CLAYEY SA very slightly sticky, gravel, sand moder 5/3).	ND; above grading into s slightly plastic, moderate ately sorted, moist, light c	ity clayey sand, y soft, some live brown (2.5Y
							L 	J SP	SAND; grading to f slightly sticky, sligh brown (2.5Y 4/3).	ine sand with fines (silt & tly plastic, soft, moderate	clay), wet, very y sorted, olive
									TD : 12' Screen : 5-15' Water Sample : 09	50 hrs	

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		LOC	ATION	OF BO	REHC	JLE		PROJEC	TNO.: G0069-226G0401	BOREHOLE DESIGNATION:	UST106-GP-02
								CLIENT:	US Navy	SURFACE ELEVATION:	
								SITE:	Moffett Federal Airfield	DEPTH TO WATER: 6.4'	
								SUBSITE	Tank 106	LOGGED BY: S. J	ones
								DRILLING	3 co.: Fast-Tek	DRILLING DATE(s): 8/30	/99
								DRILLING	g personnel/method: Direct P	Push, 2" Macro Core	
TYPE	DEF	APLE PTH BOT	RECOVERED	TIME	PID READING	CHEMICAL ANALYSIS	DEPTH (ft.)	USCS Soll Typ Graphic Log		SOIL DESCRIPTION	
								NR	NO RECOVERY; §	gravel road grade.	
	0	4	3.5/4	1057	o		 	CL	grading into	clay with some sand, dry, very s n, very dark gray (5Y 3/1), very d	lightiy sticky, dark gray,
								ML	SANDY CLAYEY :	SILT; very slightly plastic, fine g 2.5Y 5/3), moderately soft, dry.	rained sand.
									SANDY CLAYEY S	SILT; same as above, moist, wi	th some
	4	в	4/4	1105	D				5/4) light olive brov	oderately sorted, find sand, mois stic, moderately firm, light olive t wn.	ŝt, very slightly prown (2.5Y
								ML	SANDY CLAY; sar	me as above.	
	8	12	4/4	1110	o			CL	slightly sticky, sligh yellowish brown (2 SANDY SILTY CL	GRAVEL; sandy clay with grave htly plastic to plastic, poorly sort 2.5Y 6/3) light yellow brown, son AY; wet, very slightly sticky, slig oderately well sorted sand, ligh re brown.	ted, light ne gravel.
							 		SANDY CLAYEY S wet, poorly sorted	SILT; very slightly sticky, very s sand, coarse sand, soft, light of	lightly plastic, ive brown
								<u>    </u>	TD : 12' Screen : 2-12' Water Sample : 11	11 hrs	
							-	-			
		<u> </u>	<u> </u>								

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		LOC	ATION	OF BO	REHC			PROJECT	IO.: G0069-226G0401	BOREHOLE DESIGNATION:	
									US Navy	SURFACE ELEVATION:	031100-GP-03
									Moffett Federal Airfield	DEPTH TO WATER: 6.65	
									Tank 106	0.00	ones
									^{CO.:} Fast-Tek	DRILLING DATE(s): 8/30	
									ERSONNEL/METHOD:	0/30	
										ish, 2" Macro Core	
SAMPLER		WPLE PTH	RECOVERED DRIVEN	TIME	PID READING	CHEMICAL ANALYSIS	DEPTH (ft.)	USCS Soll Type Graphic		SOIL DESCRIPTION	
S F	TOP	вот	8			A G	<u> </u>	Log			
								NR	NO RECOVERY; so	ome gravel with sand.	
	0	4	2/4	1018	0						
								CL	(3/N), firm.	y, very slightly sticky, plastic, v	
								GP	SAND GRAVEL; po non sticky, non plas	orly sorted sand and gravel, g tic, yellowish brown (10YR 5/4	ranular, moist, I).
								CL-SW	sticky, slightly plastic	y with some sand, firm, dry, v c, poorly sorted, very dark gra	ery slightly y (3/N).
								CL	CLAY W/ SAND; sa	me as above.	<u> </u>
							-5-6	CL-SW	Don sticky granular.	orly sorted sand, and some sn grayish brown (2.5Y 5/2).	-
	4	8	3.5/4	1031	0			CL-SW	firm, moderately sort into	ist, very slightly sticky, very sl ted, dark grayish brown (2.5Y	lightly plastic, 4/2), grading
								CL-SW	nonsticky, nonplastic	derately sorted, medium sand c, granular, olive (5Y 4/3).	
								CL	SANDY CLAY; nons light yellowish brown	ticky, very slightly plastic, mod (2.5Y 6/4).	derately soft,
								NR	NO RECOVERY; sid	bugh	
			-					CL-SW	plastic, soft, moist, m	y with some sand, very slight oderately sorted, light olive bi	rown (2.5Y
	8	12	474	1044	0		10	CL-SP	🔰 🛝 granular, wet, olive (,	sand (med to coarse sand w/ 5Y 5/3). y slightly sticky, slightly plastic Y 5/3), grading to	
								sc Sc	CLAYEY SAND; clay slightly sticky, very s brown (2.5Y 6/4).	vey sand + gravel, poorly sorte lightly plastic, soft, moist, light	ed, very yellowish
							87.87.2	sc 2	CLAYEY SAND; san TD : 12	në as above, but more clay wi	th sand.
									Screen : 2-12' Water Sample : 1037	7 hrs	

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		LOC	ATION	OF BO	REHO	LE		PROJECT	NO.: G0069-226G0401	BOREHOLE DESIGNA	TION: UST106-GP-04
								CLIENT;	US Navy	SURFACE ELEVATIO	
								SITE:	Moffett Federal Airfield	DEPTH TO WATER:	6.57'
								SUBSITE:	Tank 106	LOGGED BY:	S. Jones
									co.: Fast-Tek	DRILLING DATE(s):	8/30/99
									PERSONNEL/METHOD:	Ish, 2" Macro Core	
<u>بر</u>		IPLE PTH	ERED EN	ТІМЕ	<u> </u>	SIS	(u)	USCS Soll Type		SOIL DESCRIPTION	
SAMPLER Type		вот	DRIVEN		PID READING	CHEMICAL	DEPTH (ft.)	Graphic Log			
								2.5	FILL; gravel road gr	ade.	
								S Fill			
0	4	4/4	1155	0					CLAY W/ SAND; mo plastic, dry, firm, gra dark gray (5Y 4/1), s	oderately sorted, non sti iding in color from very ( some gravel.	cky, very slightly dark gray (N3) to
								GC			
								GC		me as above, verý dařk	
								9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8		ND; very slightly sticky, ely sorted sand, fine to r SY 6/3).	slightly plastic, soft, nedium light
4	8	4/4	1202	0		-		9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	and silt, wet, slightly	SILT; find to medium sar plastic, soft, moderatel	id with some clay y sorted, light olive
-								CL	SANDY SILTY CLA sorted sand, modera	Y; slightly sticky, slightly ately soft, moist, light oli	plastic, moderately ve brown (2.5Y 5/3).
								CL	SANDY SILTY CLA moist, fine to mediun light olive brown (2.5	Y; very slightly sticky, sl n sand, moderately sort 5Y 5/3).	ightly plastic, firm, ed, moderately firm,
8	12	4/4	1213	. 0				CL	well sorted, medium	Y; sandy silty clay w/ in to coarse sand, wet, ve erately soft, light olive bi	rv slightly sticky.
								SM-SI	SAND W/ SILT & C plastic, moist, mode brown (2.5Y 5/3).	AY; not well sorted, no rately sorted, some sma	nsticky, very slightly Il gravel, light olive
									TD : 12' Screen : 2-12' Water Sample : 121	9 hrs	
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		LOU	ATION	OF BO	REAC			_		NO.: G0069-226G0401	BOREHOLE DESIGNA	TION: UST111-GP-0
								Ļ	CLIENT:	US Navy	SURFACE ELEVATIO	N:
								-	SITE:	Moffett Federal Airfield	DEPTH TO WATER:	5.7'
										Tank 111	LOGGED BY:	Schuller / Conoly
								L	DRILLING	co.: Fast-Tek	DRILLING DATE(s):	8/25/99
									DRILLING	PERSONNEL/METHOD: Direct F	ush, 2" Macro Core	
TYPE	DE	IPLE РТН ВОТ	RECOVERED	TIME	PID READING	CHEMICAL	DEPTH (fL)		USCS Soli Type Graphic Log		SOIL DESCRIPTION	
							$\vdash$	777	Concre		ce material, concrete dus	t sloughs.
							L			SILTY CLAY; very slightly firm, grade:	dark gray (N 3/), well sor s to	iea, slightly plastic,
					İ			V//	CL	-, - •	GP-01 (1.0-2.0) 0802 hrs	
	0	4	4/4	0802	0		Ļ.					
							1			SILTY CLAY; olive moderately sorted.	(5Y 4/3),some very fine - slightly plastic, firm.	fine sand,
							Ļ.	-1//		Mottled: olive (5Y 5		
							ł		CL	black (5Y 2.5/1) <5	% each.	
							┢ .	-1//		Sample: UST 111-	GP-01 (4.0-5.0) 0811 hrs	
							5		CL	SILTY CLAY; olive	(5Y 4/4), w/ 40% mottles	yellowish brown
	4	6	4/4	0811	0		L.			moderately firm.	very firm sand, well sorted	
							[ .			CLAY; clay with tra sorted, plastic, slig	ce sand, dark olive gray ( http://www.center.center.center.center.center.center.center.center.center.center.center.center.center.center.cen	(5Y 3/2), well
							⊢ .	-1//	CL			
							⊦ ·	8		CLAYEY SAND; ve	ery firm to firm sand, some	e coarse to medium
									SC	sand, grades to pal	e yellow (5Y 7/3), poorly slightly plastic, loose.	sorted, react w/
							Γ.		sc	CLAYEY SAND; sa	me as above.	
	8	12	4/4	0820	0		- 10	6/	au	Sample: UST111-0	P-01 (9.0-10.0) 0820 hrs	
								°/•/•		Olive (5Y 5/4), poor	th fine sand, trace mediu ly sorted, mottled 10% w/	m sand to granular, light olive brown
							┝.		sc	(2.5Y`5/6), slightly	plastic, slightly firm.	<u>.</u>
								6				
			I				┣ -			SILTY CLAY; poss	ble slough (moist) silty cl	ay w/ very fine
									CL	sand, olive gray (5)	(4/2), well sorted, plastic	, soft, saturated.
	ī2	15	3/3	0830	0		Γ.	6		CLAYEY SAND; cli	ayey sand grading to san black), wet, olive gray (5	d, very firm, sand to
							L.		sc	brown mottles 20%	(10Y2 5/6), poorly sorted	i, soft, slightly
								69		•		
								<u>_</u> [2]		TD : 15' Screen 5-10'		
										Water Sample : 084	10 hrs	
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										1		
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		LOC	ATION	OF BO	REHO	LE.		PROJEC	NO.: G0069-226G0401	BOREHOLE DESIGNA	TION: UST111-GP-02
								CLIENT:	US Navy	SURFACE ELEVATION	
								SITE:	Moffett Federal Airfield	DEPTH TO WATER:	5.8'
									Tank 111	LOGGED BY:	B. Schuller
								DRILLIN	CO.: Fast-Tek	DRILLING DATE(s):	8/24/99 - 8/25/99
				7		1		DRILLIN	PERSONNEL/METHOD: Direct F	Push, 2" Macro Core	
SAMPLER TYPE	DE	IPLE PTH BOT	RECOVERED	TIME	PID READING	CHEMICAL ANALYSIS	DEPTH (ft.)	USCS Soli Typ Graphic Log		SOIL DESCRIPTION	
	0	4	3/4	1105	0			COAC	CLAY; trace fine sa slightly soft, slightly	and, black (N 2.5/) grading y moist.	g to gray (N 6/),
	4	8	<b>4/4</b>	1110	0		5	cı		N 4/4), well sorted, olive m , slightly moist. hydraulic line blow out on	
	6	12	4/4	0735	0			CL		ery fine to fine, olive (5Y 4 out 1/4" thick, moderately	/4), coarse sand sorted, slightly
	12	15	2/3	0745	0			NR		ame as above clavey sand	interval, mottled
	16		210					sc	-	· · · ·	
	[	I			. 1		┖╼╼╸└		<u> </u>		S:6Viel LoggerWiell LoggerWieller2

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### <u>Tetra Tech EM Inc.</u>

LOCATION OF E	OREHOLE	PROJECT NO.: G0069-226G0401	BOREHOLE DESIGNATION: UST111-GP-03
		CLIENT: US Navy	SURFACE ELEVATION:
		SITE: Moffett Federal Airfield	DEPTH TO WATER: 7,2'
		SUBSITE: Tank 111	LOGGED BY: B. Schuller
		DRILLING CO.: Fast-Tek	DRILLING DATE(s): 8/24/99
		DRILLING PERSONNEL/METHOD:	0124135
	- <u></u>		ish, 2" Macro Core
SAMPLE DEPTH DEPTH DEPTH DEPTH DEPTH DEV DEV DEV DEV DEV DEV DEV DEV DEV DEV	PID PID READING CHEMICAL ANALYSIS DEPTH (ft)	USCS Soli Type Graphic Log	SOIL DESCRIPTION
0 4 4/4 100			e very fine sand, black (N 2.5/), grades to n, grades to blocky at 4', numerous roots
4 8 4/4 101	0 0	CLAY; clay with trac (5Y 7/1), firm but gra with olive (5Y 5/4) a roots, moist.	e very fine sand, gray (5Y 6/1) to light gray ades to slightly soft at 8', heavily mottled nd light gray from 6.5' to 7.5', numerous
8 12 4/4 101	5 0 - 10	SANDY CLAY: VEIV	yey very fine sand, light olive gray (5Y 6/2), nd and pebbles, very moist, soft, calcareous fine sand, dark gray (5Y 4/1) with greenish /1), mottles at approximately 10', color gray (N 3/), numerous roots, shell ), moist, slightly soft.
12 15 3/3 103	0 0	SC sorted, loose, satura	e to coarse sand, light gray (5Y 7/1), poorly
	- <del>- 15</del>	TD : 15' Screen : 5-15' Water Sample : 122	0 hrs

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		LOC	ATION	OF BO	REHC	JLE		PROJECT NO.	G0069-226G0401	BOREHOLE DESIGNATION: UST111-GP-04
				-				CLIENT: US	S Navy	SURFACE ELEVATION:
									offett Federal Airfield	DEPTH TO WATER: 5.56'
								SUBSITE: Ta	ank 111	LOGGED BY: B. Schuller
								DRILLING CO.	··· Fast-Tek	DRILLING DATE(s): 8/24/99
									R\$ONNEL/METHOD:	
										Push, 2" Macro Core
ТҮРЕ	SAMI DEP	APLE PTH	RECOVERED	ТІМЕ	PID READING	CHEMICAL ANALYSIS	DEPTH (ft.)	USCS Soll Type		SOIL DESCRIPTION
<u>ا ع</u>	· ·	вот				-	8.1	Graphic Log		
	0	.5	3.5/3,5	0915	NA		Τ''	Asphait	ASPHALT	
	, }	t !	1				L_'	Fill	FILL; base coarse.	
	5	4	4/4	0920	6			CL	grades to gray (N6/ bottom of interval, v plastic/slightly bloci	ome very fine sand, very dark gray (N 3/), 5/), with some light gray mottles (N 7/) at well sorted, plastic, grades to slightly cky, trace roots, firm.
	4	8	4/4	0925	2			CL	CLAY; trace to som mottles of light gray sorted at 6', well so	me very fine sand, gray (N 6/) with numerous ay (N 7/) and olive (5Y 5/6), firm, becomes orted, slightly plastic, slightly moist.
								CL	gray (5Y 7/1) mottle	fine sand, dark gray (5Y 4/1), with some light les, snail shell, slightly moist.
	B	12	414	0935	2		10-	CL	CLAY; clay and ver gravel/pebbles in cl content increases s	ery fine to fine sand, light gray (5Y 7/1), soft, clay matrix at 10'.2", very moist, roots, sand slightly with depth.
								CL	CLAY; same as ab	bove, but saturated, occasional coarse grain.
	- 12	16	3/3	0945	2		- 15-	SP	SAND; fine, olive (5 TD : 16' Screen : 5-15' Water Sample : 110	(5Y 5/4), very moist to saturated. 105 hrs

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[	1	_oc/			REHO	LE		PR	ROJECT	IO.: G0069-226G0401	BOREHOLE DESIGNATION: UST116-GP-01
								CL	IENT:	US Navy	SURFACE ELEVATION:
								SI	TE:	Moffett Federal Airfield	DEPTH TO WATER: 7.05
								SU	JBSITE:	Tank 116	LOGGED BY: Conoly
								DF	RILLING (	:0.: Fast-Tek	DRILLING DATE(s): 8/26/99
								DF	RILLING	PERSONNEL/METHOD:	
										Direct F	Push 2" Macro Core
SAMPLER	SAM DEP	тн	DRIVEN	TIME	PID READING	CHEMICAL	DEPTH (ft.)	5	USCS Soil Type Graphic		SOIL DESCRIPTION
4.60	TOP	BOT	∝.		_ <u>∝</u>	04			Log Asphe		
									CL	gray (5YR 3/1), sli Sample: (1.0-2.0)	ay w/ silt and gravel, poorly sorted, very dark ightly plastic, dry. 1031 hrs
										CLAY W/ SILT; DI	ack (5YR 2.5/1), dry, slightly plastic, firm.
				1025					ÇL		·
	0	4	4/4	1025	0		T -		CL		ame as above but well sorted.
							ļ			CLAY W/ SILT AN sorted, slightly pla	ND SAND; dark gray (5Y 4/1), moderately istic, firm, dry.
					1				CL-SM	⁴ Sample: (4.0-5.0)	1043 hrs
				ļ	.						
									CL-SI		ND SAND, same as above.
							-				
	4	8	4/4	1030	o				CL-M	firm, dry, gray (5Y	AND AND SILT; well sorted, slightly plastic, ' 6/1), white mottles.
									CL-M		AND AND SILT; same as above, grading to
									CL	SANDY CLAY; ve sorted, plastic, m	ery fine sand, light olive gray (5Y 6/2), well oist, firm, grading to
		1				1			<b> </b> _		fine sand with some granules, pale olive (5Y
	8	12	4/4	1038	o .		-10	10/0/0/0/0/	SC	6/3), some strong grading to	red mottles, pliable, moderately firm, moist,
								•	GP	nonnlighte saturs	.; olive gray (5Y 4/2), moderately loose, ated.
									3	TD : 12' Screen : 0-10' Water Sample : 1	1102 hrs
				<u> </u>			<u> </u>				5:White Lopper/White
<u>Tetra Tech EM Inc.</u>

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		LOC	ATION	ог во	лепс	ᄮ		· .		NO.: G0069-226G0401	BOREHOLE DESIGNA	UST116-GP-02
										US Navy	SURFACE ELEVATIO	
								s	SITE:	Moffett Federal Airfield	DEPTH TO WATER;	7.97'
								s	BUBSITE:	Tank 116	LOGGED BY:	
								- H-		O.: Fast-Tek	DRELLING DATE(s):	
								-		PERSONNEL/METHOD:		8/26/99
											ush, 2" macro Core	
SAMPLER	SAMPLE DEPTH TOP BO		RECOVERED	TIME	PID Reading	CHEMICAL	DEPTH (ft.)		USCS Soil Type Graphic Log		SOIL DESCRIPTION	
							<u> </u>	- 0	Aspha			
								a d	Fill	FILL; asphalt + base	e coarse fill.	
							$\vdash$ –	20				
	0	4	4/4	1110	O				CL-SP	CLAY W/ SAND; fin mottles), well sorted	e sand, black (5Y 2.5/1) I, slightly plastic, dry, firm	(3-4' some white
						-	┝╶╶╡	<u>/</u>				
										mottles white + light	ay with fine sand, very da t olive brown, well sorted	ark gray (5Y 3/1), plastic
			1				_5_		CL-SP			
	1											
	4	8	4/4	1115	0		[	11				
		, v	7/9	1113	۲Ľ		F 7	겓		CLAY W/ SAND; sa	me as above, increasing	white mottles,
					ľ			泪		occasional coarse g	rain.	
							╞╶┥	11	CL-SP			
		ł										
			1				┝╶╡	<u> </u>		CLAY W/ SAND: fin	e sand, dark gray (2.5Y	
								2	CL-SP	well sorted, grades t	to	4/17, plastic, dry,
							┝╶∔	4				
							ĺ		CL-SP	CLAY W/ SAND; sa	me as above, with 40%	white mottles.
	8	12	4/4	1119	0							
								6.7		CLAYEY SAND; fine	e grained, light olive brow	vn (2.5Y 5/3),
										plastic, moist, slightl	y ima.	
									SC			
							$\vdash$ $+$			CLAYEY SAND: fine	grained, some coarse,	light brownish grav
								$\langle \rangle$	SC	(2.5Y 6/2), saturated	, plastic, moderately sof	t, grades to
			1				┝╶┩	Ø	SP-CL	SAND W/ CLAY: find	e sand with clay, olive br	own (2.5Y 4/3)
								1		saturated, nonplastic	e sand with clay, olive br c, moderately firm, well s	orted.
	12	16	4/4	1129	0		┝╺┥	4	SP-CL	SAND W/ CLAY; we saturated.	Il sorted, dark olive brow	in (2.5Y 3/3),
								0	SP-CL	SAND W/ CLAY, fine	e sand, dark gray brown moderately firm.	(2.5Y 4/2), well
							15	И		4	-	
									SP	SAND; fine sand, bla	ack (5Y 2.5/1), well sorte	d, non-plastic,
		1					╘╶┤			moderately firm; den	ise, wet.	
										TD : 16'		
	1									Screen : 5-15' Water Sample : 114	9 hrs	
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		LOC	ATION	OF BO	REHC	DLE		PROJECT N	o.: <u>G0069</u> -226G0401	BOREHOLE DESIGN/	ATION: UST116-GP-03
								CLIENT: 1	JS Navy	SURFACE ELEVATIO	
								SITE:	Moffett Federal Airfield	DEPTH TO WATER:	6.39'
								SUBSITE: 1	Tank 116	LOGGED BY:	Conoly
								DRILLING C	o.: Fast-Tek	DRILLING DATE(s);	8/26/99
									ERSONNEL/METHOD:		
						·				ush, 2" Macro Core	
SAMPLER Type	SAMPI DEPT		DRIVEN	ΊМЕ	PID READING	CHEMICAL ANALYSIS	DEPTH (fL)	USCS Soil Type Graphic		SOIL DESCRIPTION	
	107	вот	<u> </u>		┦┺			Log Asphalt	ASPHALT		
								0	FILL; coarse base.		
							⊢ –[∄	Fill			
	0	4	3,5/4	1155	O			CL-SP	CLAY W/ SOME SA white mottles with d	ND; fine sand, gray (5Y epth, slightly plastic, we	6/1) increasing Il sorted, dry, firm.
	4	8	4/4	1202	0		5-	CL-SP	CLAY W/ SOME SA plastic, dry, firm, so mottles (7'-8' occasi	ND: dark gray (5Y 4/1), me light gray mottles (5) onal granule).	well sorted, slightly 7/1) + some olive
								CL	SANDY CLAY; fine moist, firm, well sort	sand, greenish gray (50 ed, grades to	Y 6/1), plastic,
	6	12	4/4	1209	0		-10-	sc sc	CLAYEY SAND; find	e (some coarse) greenis	h gray (5GY 6/1),
								2	moderately sorted, r	noist, plastic, slightly firr	n.
									bottom, sandy grades to inclu	GRAVEL; greenish gray de sand + gravel, poorly I, loose, wet. ark yellowish brown (10	sorted, moist. At
					, I			<u> </u>		and yealowish brown (10 on-plastic, poorly sorted gged from sample sleev	1.
										w/ some coarse greeni lightly plastic, saturated	
	12	16	0/4	1215	0			NR	saturated, moderate	nd, moderately sorted, c ly loose.	<b>fark olive g</b> ray,
						:	1 <del>5_</del> 		TD : 16 Screen : 6-16' Water Sample : 123: -	5 hrs	

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		LOC		OF BO	REHO	LE		- 	PROJECT NO.	G0069-226G0401	BOREHOLE DESIGNATION	UST116-GP-04							
					-					S Navy	SURFACE ELEVATION:								
									SITE: M	offett Federal Airfield	DEPTH TO WATER: 7.3								
									SUBSITE: Ta	nk 116		noly							
									DRILLING CO.			6/99							
									DRILLING PER	SONNEL/METHOD;									
									·	Direct Push	n, 2" macro Core								
TYPE	SAMPLE DEPTH		RECOVERED DRIVEN	TIME	PID READING	CHEMICAL ANALYSIS	DĘPTH (ft.)		USCS Soil Type Graphic Log	S	OIL DESCRIPTION								
	1	<u> </u>						5.2	Asphall	ASPHALT									
			i	1	1		L _	5 0 19 4	Fill	FILL; coarse base fill									
				Ι.			1	Ø,	CL-SP CL	sorted, very firm, dry	w/ fine sand, black (N/2.5)								
	0	4	2/4	0930	0		⊢ -			CLAY; gray (10Y2 5/1) slightly plastic.	, mottled w/ white well sor	ted, firm, dry,							
ĺ							L_		1	CLAY; same as above.									
								$\mathbb{V}$	CL	Sharp contact: Clay w/	2" gravel.								
							⊢ -	¥//	1										
						ĺ	5	团		CLAY W/ SILT; gray (1	OYR 5/1), mottled w/ some well sorted, slightly plastic,	e white, few							
								10		yenew brown moules, v	wen sorred, siignaly piasac,	ынн, слу.							
	4	8	3.5/4	0935	0		⊢ -	別	CL-ML										
								0	1										
							Γ -	10											
							⊢ –	21	NR		gh (6" of slough in 8-12' int								
	1							177			ne to fine sand, no visible :								
							$\vdash$ –		}	odors, light olive grav (	5Y 6/2), some coarse grai	ns at 10'. some							
	8	12	4/4	0942	3.5		-10-			roots, moderately plast	tic, dry, moderately sorted,	חלוול.							
									1	4.0					V//	) CL			
					1.0		⊢	V//											
							L _	V//	l										
								V//	CL	slightly firm, olive gray	e sand, well sorted, moist (5Y 5/2).								
					]		⊢ -	1	<u>90</u>	GRAVEL W/ CLAY; 2"	gravel with clay, sharp co	ntact.							
	12	16	4/4	0951	0		L_		CL	abundant black mottles	nd, well sorted, olive (5Y 4 s, some strong brown mott	les, plastic,							
			÷					0	CL-SP	slightly firm, grades to SAND W/ CLAY; fine s	and with clay, well sorted.	moderately							
							-15-	1	GL-SP	dense, brown (10YR 4/	<li>w/ strong brown mottle:</li>	s (roots),							
							L	17	CL	grades to SANDY CLAY; very fin	e sand, with roots, well so	rted, olive grav							
							Γ -	Ø		(5Y 4/2), firm, slightly p	lastic. and w/ clay, well sorted, s								
							⊢ -	0	CL-SP	slightly loose, ligth yello	ow brown (2.5Y 6/4), nonp	lastic.							
	16	20	4/4	1001	0			Ø.			- /R FN 4/2								
		20	4/4	1001	ľ		Γ -		CL	SILTY CLAY; dark gray	y (2.5Y 4/1), well sorted.								
							┝ -	F		SANDY GRAVEL; shar	rp contact, poorly sorted, s	aturated, loose							
									sw	to slightly loose, dark g	ray (2.5Y 4/1), saturated in	nterval.							
							20-			TD : 20'									
							⊢ –	4		Screen : 10'-20' Water Sample : 1015 h	Irs								
							┝ -	1											
							L _												
							⊢ –	1											
								•			5:144	· · · · · · · · · · · · · · · · · · ·							

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### APPENDIX B

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#### MOFFETT FEDERAL AIRFIELD TANK CLOSURE REPORT SANTA CLARA COUNTY TANK CLOSURE INSPECTION REPORT LIST

Tank	Santa Clara County Tank Closure Inspection Report
15	Included
18	NA
22	NA
28	Included
30	NA
31	NA
41B	Included
54	NA
55	NA
57	NA
59	NA
62	NA
62A	NA
63	NA.
64	NA
66	Included
67	Included
68	NA
69	NA
77	Included
78	Included
86A	Included
86B	Included
88	Included
91	NA
106	NA
110	Included
111	NA
116	NA
130	NA

Notes:

NA Report not currently available, TtEMI will continue try and obtain the report, if available

# SANTA _ARA COUNTY ENVIRONMENTAL HEALT ERVICES TOXICS CONTROL UNIT 2220 MOORPARK AVENUE, SAN JOSE, CA 95128 (408) 299-6930

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#### CASE CLOSURE CHECKLIST Leaking Underground Storage Tank Program

This checklist, CASE CLOSURE letter, and the Unauthorized Release Report Form (URF) is to be retained by the Regional Board and Local Implementing Agency as documentation of release and subsequent closure action. All files and reports will be placed on microfiche for review.

#### T. **Case Information**

LUSTIS Case no.	URF filing date	Closure date
Site name/county	Moffett Federal Airfield/UST 15/Santa	Clara County
Site address	City Mountain View Zip	

Responsible party Name		Address, City, Zip	Phone
Property owner	U.S. Navy	Moffett Federal Airfield, Mountain View, CA 94035	( ₄₁₅ ) ₆₀₃₋₉₈₃₄
Operator 1	NA	NA	( ) _{NA}
Operator 2	NA	NA	( ) NA
Operator 3	NA	NA	( ) NA

#### Table I - Responsible Party Information

NA - Not applicable

#### II. Release and Site Characterization Information

 Tank size(s)
 1,000 gallons
 Fuel type(s)
 Diese1

Chemical type(s) and quantity(ies) released _____ Diese1

#### Table II - Lateral and Vertical Extent of Contamination

Environment	Lateral (ft)	Vertical (ft)	Contaminant	Concentration Range
Soil	14X24	6	Diesel	ND to 4,400 mg/kg
Groundwater	NE	NE	NE	NE mg/l

NE - Not encountered ND - Not detected

Soil type at the site clay, clayey silt, clayey sand, and gravel1

Source of drinking water under SWRCB POLICY 88-63 yes

Were nearby wells (Domestic, Municipal, Ag, etc.) monitore	ed? Yes <u>x</u>	No
Wells affected (Domestic, Municipal, Ag, etc.) None		

Highest and lowest depths to groundwater Not encountered at tank location

Seasonal groundwater gradient(s) and direction(s) <u>Gradient is northward</u>

Name of Regional Water Quality Control Plan (Basin Plan) aquifer affected (see attached)

<u>Santa Clara Vallev</u>

Surface water impacted? Yes _____ No ____

Name of surface water body affected <u>Not applicable</u>

#### III. Soil Remediation Inforution

Soil remediation method(s) _ Transported to a staging area for treatment or disposal

Volume treated and/or removed Estimated 50 to 100 cubic yards

Contaminated soil disposal site <u>U.S. Navy</u> responsible for disposal

If contamination is remaining, describe concentration range and volume (cubic yards or meters) None remaining according to observations by Navy personnel

### Table III - Maximum documented contaminant concentrations in soil before and after cleanup

Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)	Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene		ND	ND	6.0
TPH (Diesel)	5030	4,400	ND	6.0	Tohuene		ND	ND	6.0
Other fuel	NA	NA	NA	NA	Ethylbenzene		ND	ND	6.0
Heavy metals	NA	NA	NA	NA	Xylene		ND	ND	6.0
Other	NA	NA	NA	NA	Other	-NA	NA	NA	NA

NA - Not applicable ND - Not detected IV. Groundwater Remediation Information

Groundwater remediation method(s) _Groundwater not encountered or remediated

Volume treated and/or removed Not applicable

If contamination is remaining, describe concentration range and volume (gallons or liters)

<u>Not applicabl</u>e

#### Table IV - Maximum documented contaminant concentrations in groundwater before and after cleanup

Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)	Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA	Tolucae	NA	NA	NA	NA
Other fuel	NA	NA	NA	NA	Ethylbenzene	NA	NA	NA	NA
Heavy metals	NA	NA	NA	NA	Xylene	NA	NA	NA	NA
Other	NA	NA	NA	NA	Other	NA	NA	NA	NA

NA - Not applicable **V. Closure** 

Does Regional Board concur with closure? Yes _____ No _____

Rationale for closure

Location of reports on file (Agency/Room) County_____ Staff person _____ Phone _____ Regional Board office ______ Staff person _____ Phone _____

# CASE CLOSURE CHECKLIST Leaking Underground Storage Tank Program

This checklist, CASE CLOSURE letter, and the Unauthorized Release Report Form (URF) is to be retained by the Regional Board and Local Implementing Agency as documentation of release and subsequent closure action. All files and reports will be placed on microfiche for review.

#### I. Case Information

LUSTIS Case no.	URF filing date	_ Closure date	
Site name/county	Moffett Federal Airfield/UST 28/Santa	Clara County	
Site address	City Mountain View Zip	94035 <b>Phor</b>	e (415) 603-9834

Table I - Responsible Party Information

Responsible party	Name	Address, City, Zip	Phone			
Property owner	U.S. Navy	Moffett Federal Airfield, Mountain Yiew, CA 94035	(415)603-9834			
Operator 1	NA	NA	(	)	NA	
Operator 2	NA	NA	(	)	 NA	
Operator 3	NA	NA		)	NA	

NA - Not applicable

## II. Release and Site Characterization Information

Tank size(s) 150 gallon

_ Fuel type(s) _ Diesel

Chemical type(s) and quantity(ies) released None

## Table II - Lateral and Vertical Extent of Contamination

Environment	Lateral (ft)	Vertical (ft) Contaminant (		Concentratio	on Range		
Soil	il NA NA NA						
Groundwater	NE	NE	NE	NE	mg/l		
ells affected (D	omestic, Mu	nicipal, Ag, etc.)	<b>etc.) monitored? Yes</b>				

# III. Soil Remediation Infor ution

Soil remediation method(s) __None

Volume treated and/or removed <u>Not applicable</u>

Contaminated soil disposal site ______ Not applicable

If contamination is remaining, describe concentration range and volume (cubic yards or meters) <u>Not applicable</u>

Table III - Maximum documented contaminant concentrations in soil before and after cleanup

Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)	Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene	<u> </u>	ND		4.0
TPH (Diesel)		ND			Toluene				
Other fuel		16			Esheeth an anna		ND		4.0
Heavy metals				4.0	Xylene	<u> </u>	ND		4.0
Other	<u>NA</u>	<u>NA</u>	<u>NA</u>	NA		<u> </u>	ND	_	4.0
NA - Not app	NA	NA	NA	NA	Other	NA	NA	NA	NA

ND - Not detected IV. Groundwater Remediation Information

Groundwater remediation method(s) Groundwater not encountered or remediated

Volume treated and/or removed ______ Not_applicable _____

If contamination is remaining, describe concentration range and volume (gallons or liters) Not applicable

Table IV - Maximum dominants to the	encentrations in groundwater before and after cleanup
Table IV - Maximum documented contaminant en	Depirations in groundwater before and show the
	and a second in ground when belore and aller deanup

Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)	Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA	Toluene	NA	NA		
Other fuel	NA	NA	NA	NA	Ethylbenzene			NA	NA
Heavy metals	NA	NA	NA	NA NA	Xylene	<u>NA</u>	<u>NA</u>	NA	NA
Other	NA	NA	NA NA	NA	Other	NA NA	<u>NA</u> NA	NA NA	<u>NA</u>

V. Closure applicable

Does Regional Board concur with closure? Yes _____ No _____ Rationale for closure

Location of reports on file (Agency/Room) County____ _____ Staff person _____ Phone _ Regional Board office ______ Staff person _____ Phone _____

SBR Cheklist.wp 10 September 1993

OFFICIAL NOTICE OF INSPECTION

Data Nume     NAS     Harle Hi     Field     Ten h     H     H     F.7.73       AUDRESS     Mb H LettW     Ticle C     CA     Invertige No.     Invertige No.       ARTER KORISS     Mb H LettW     Ticle C     CA     Invertige No.     Invertige No.       APPLICATE LW     State State     State State     Invertige No.     Invertige No.       APPLICATE LW     State State     State State     Invertige No.     Invertige No.       COMPUTER NO.     PROGRAM     ELENENT     SERVICE     VIOLATIONS     Time       COMPUTER NO.     PROGRAM     ELENENT     SERVICE     VIOLATIONS
DRICK/DEFEATOR     DU     BIT       PATERING     DU     BIT       PATERING     DU     BIT       DEALT     Adda. Gos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. Cos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. Cos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. Cos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. Cos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. Cos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. Cos.     THE 22. Sec. 0011. et Sec.     DITUR 22. Sec. 2010. et Sec.       DEALT     Adda. DITUR 22. Sec. 011. et Sec.     THE 22. Sec. 011. et Sec.     DITUR 22. Sec. 011. et Sec.       DEALT     Adda. DITUR 22. Sec. 011. et Sec.     The marked items represent violations of the above-referenced codes(s) and must be corrected as follows:       MALABOOUS MASTES     1     11       Restream     1     4       Storage. Sourier     2       Storage. Security     1     4       Storage. Texts     1     4       DEALT     1     1       DEALT     1     1
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COLOR       Title 22, See 6001, et 3ee.       Inter 23, see. How et al.         CUMPUTER NO.       PROGRAM       ELEMENT       SERVICE       VIOLATIONS       TIME         Defect       See.       The       Iffe       Iffe       Iffe       Iffe         Defect       See.       The       Iffe       VIOLATIONS       TIME         Defect       See.       The       Iffe       Iffe       Iffe         VIOLATIONS       CLASS       The marked items represent violations of the above-referenced codes(s) and must be corrected as follows:       See.       See.       See.         Notations       See.
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### CASE CLOSURE CHECKLIST Leaking Underground Storage Tank Program

This checklist, CASE CLOSURE letter, and the Unauthorized Release Report Form (URF) is to be retained by the Regional Board and Local Implementing Agency as documentation of release and subsequent closure action. All files and reports will be placed on microfiche for review.

		NOTE :	Tank	41B	is	an	above	ground	tank.
I.	Case Information							8	

LUSTIS Case no.	URF filing date Closu	re date		
Site name/county	Moffett Federal Airfield/UST 41B/Santa Clara	County		
Site address	City Mountain /ViewZip 94035		(415)	603-9834

Responsible party	Name	Address, City, Zip	Phone
Property owner	U.S. Navy	Moffett Federal Airfield, Mountain:View, CA 94035	(415)603-9834
Operator 1	NA	NA	( ) NA
Operator 2	NA	NA	( ) NA
Operator 3	NA	NA	( ) _{NA}

**Table I - Responsible Party Information** 

NA - Not applicable

## **II.** Release and Site Characterization Information

Tank size(s) 3,000 gallon Fuel type(s) Oil/Water separater

Chemical type(s) and quantity(ies) released __None_____

#### Table II - Lateral and Vertical Extent of Contamination

Environment	Concentration Range				
Soil	NA	NA	Gasoline	ND to 4.6	mg/kg
Groundwater	NE	NE	NE	NE	mg/l
oil type at the si ource of drinkin	ite <u>clay</u> , o ng water unde ls (Domestic,	clayey silt, er SWRCB PO Municipal, A	countered ND - Non detect <u>clay sand, and gravel</u> LICY 88-63 <u>Yes</u> g, etc.) monitored? Yes <u>x</u> c.) <u>None</u>	·	-

Name of surface water body affected <u>Not applicable</u>

### III. Soil Remediation Infor tion

Soil remediation method(s) <u>Not applicable</u>

Volume treated and/or removed ______ Not applicable_____

Contaminated soil disposal site Not applicable

If contamination is remaining, describe concentration range and volume (cubic yards or meters)

Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)	Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)
TPH (Gas)		4.6	ND	4.0	Benzene		0.012	ND	4.0
TPH (Diesel)	NA	NA	NA	NA	Toluene		0.085	ND	4.0
Other fuel	NA	NA	NA	NA	Ethylbenzene	<u> </u>			
Heavy metals	NA	NA	NA	NA	Xylene		<u>0.061</u> 0.041	ND ND	4.0
Other	NA	NA	NA	NA	Other	NA	NA	NA	4.0 NA

# Table III - Maximum documented contaminant concentrations in soil before and after cleanup

IV. Groundwater Remediation Information

Groundwater remediation method(s) Groundwater not encountered or remediated

Volume treated and/or removed <u>Not applicable</u>

If contamination is remaining, describe concentration range and volume (gallons or liters) Not applicable

Table IV - Maximum documenter	contaminant concentrations in groundwater before and after cleanur
-------------------------------	--------------------------------------------------------------------

Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)	Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA	Toluene	NA	· NA	NA	NA
Other fuel	NA	NA	NA	NA	Ethylbenzene	NA	NA	NA	NA
Heavy metals	NA	NA	NA	NA	Xylene	NA	NA	NA	NA
Other	NA	NA	NA	NA	Other	· NA	NA	NA	NA

V. Closure

Does Regional Board concur with closure? Yes _____ No _____

Rationale for closure

Location of reports on file (Agency/Room) County_____ Staff person _____ Phone _____ Regional Board office ______ Staff person _____ Phone _____

SBR Cheklin, wp 10 September 1993

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COUNTY OF SANTA CLARA ENVIRONMENTAL RESOURCES AGENCY HAZARDOUS MATERIALS COMPLIANCE DIVISION

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#### CASE CLOSURE CHECKLIST Leaking Underground Storage Tank Program

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This checklist, CASE CLOSURE letter, and the Unauthorized Release Report Form (URF) is to be retained by the Regional Board and Local Implementing Agency as documentation of release and subsequent closure action. All files and reports will be placed on microfiche for review.

#### I. Case Information

Surger of

LUSTIS Case no.	URF filing date	Closure date	
Site name/county	Moffett Federal Airfield/UST 78/	Santa Clara County	
Site address	City Mountain Vie	Zip 94035 Phone	(415) 603-9834

Responsible party	Name	Address, City, Zip	Phone			
Property owner	U.S. Navy	Moffett Federal Airfield, Mountain View, CA 94035	(415) 603-9834			
Operator 1	NA	NA	( ) NA			
Operator 2	NA	NA	( ) NA			
Operator 3	NA	NA	( ) _{NA}			

#### Table I - Responsible Party Information

#### II. Release and Site Characterization Information¹

 Tank size(s)
 1,000 gallon
 Fuel type(s)
 Water runoff from storage area

 Chemical type(s) and quantity(ies) released
 None

1 - Tank not used

#### Table II - Lateral and Vertical Extent of Contamination

Environment	Lateral (ft)	Vertical (ft) Contaminant		Concentrati	on Range
Soil	NA	NA	NA	· NA	mg/kg
Groundwater	NE	NE	NE	NE	mg/l
Source of drink	•	er SWRCB POLIC	Y 88-63 Yes		
	ells (Domestic	, Municipal, Ag, <del>c</del>	tc.) monitored? Yes $\underline{X}$	No	

Highest and lowest depths to groundwater Could not be determined

Seasonal groundwater gradient(s) and direction(s) <u>Gradient is northward</u>

Name of Regional Water Quality Control Plan (Basin Plan) aquifer affected (see attached)

Santa Clara Valley

Surface water impacted? Yes _____ No ____

Name of surface water body affected <u>Not applicable</u>

#### III. Soil Remediation Infor ation

Soil remediation method(s) <u>Not applicable</u>

Volume treated and/or removed <u>Not applicable</u>

Contaminated soil disposal site Not applicable

If contamination is remaining, describe concentration range and volume (cubic yards or meters) Not applicable

Table III - Maximum documented	contaminant concentrations in soil before and after cleanup
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Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)	Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene		ND	ND	10.0
TPH (Diesel)		ND	ND	10.0	Toluene		ND	ND	10.0
Other fuel	NA	_ NA	NA	NA	Ethylbenzene		ND	ND	10.0
Heavy metals	NA	NA	NA	NA	Xylene		ND	ND	10.0
Other	NA	NA	NA	NA	Other	NA	NA	NA	NA

NA - Not applicable ND - Not detect IV. Groundwater Remediation Information ND - Not detected

Groundwater remediation method(s) <u>Not</u> applicable

Volume treated and/or removed <u>Not applicable</u>

If contamination is remaining, describe concentration range and volume (gallons or liters)

Not applicable

Table IV - Maximum documented contaminant concentrations in	groundwater before and after cleanup
-------------------------------------------------------------	--------------------------------------

Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)	Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA	Toluene	NA	NA	NA	NA
Other fuel	NA	NA	NA	NA	Ethylbenzene	NA	NA	NA	NA
Heavy metals	NA	NA	NA	NA	Xylene	NA	NA	NA	NA
Other	NA	NA	NA	NA	Other	NA	NA	NA	NA

NA - Not applicable

V. Closure

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Does Regional Board concur with closure? Yes _____ No _____

Rationale for closure

Location of reports on file (Agency/Room)	· · · · · · · · · · · · · · · · · · ·	
County	Staff person	Phone
Regional Board office	Staff person	Phone

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RECEIVED BY: Drugfill Chuck

# CASE CLOSURE CHECKLIST Leaking Underground Storage Tank Program

This checklist, CASE CLOSURE letter, and the Unauthorized Release Report Form (URF) is to be retained by the Regional Board and Local Implementing Agency as documentation of release and subsequent closure action. All files and reports will be placed on microfiche for review.

#### I. Case Information

LUSIIS Case no.	URF filing date	Closure date
Site name/county	Moffett Federal Airfield/UST 88/Santa C	
Site address		
	City Mountain ViewZip 94	035 Phone (415) 603-9834

Table I - Responsible Party Information

Responsible party	Name	Address, City, Zip	Phone (415) 603-9834		
Property owner	U.S. Navy	Moffett Federal Airfield, Mountain View, CA 94035			
Operator 1	NA	NA			
Operator 2	NA				
Operator 3	NA	<u>NA</u> NA	NA		
	NA	NA	( ) _{NA}		

# II. Release and Site Characterization Information

 Tank size(s)
 550 gallon
 Fuel type(s)
 Wastewater

 Chemical type(s) and quantity(ies) released
 None

# Table II - Lateral and Vertical Extent of Contamination

· · · · · · · · · · · · · · · · · · ·		·					
Environment	Lateral (ft)	Vertical (ft)	Contaminant	Concentrati	Concentration Range		
Soil	NA	NA	mg/kg				
Groundwater	NE	NA NE	NA NE	NE	mg/l		
Source of drinkin	ig water unde ls (Domestic,	r SWRCB POL	layey sand, and gravel ICY 88-63 Yes , etc.) monitored? Yes X	No			
seasonal groundy	vater gradient 1 Water Qual	(s) and direction	ot encountered at tank loc n(s) <u>Gradient is northwarc</u> n (Basin Plan) aquifer affected	1			
Surface water imp Name of surface		_					

# III. Soil Remediation Infor ation

Soil remediation method(s) <u>Not</u> applicable

Volume treated and/or removed <u>Not applicable</u>

Contaminated soil disposal site <u>Not</u> applicable

If contamination is remaining, describe concentration range and volume (cubic yards or meters) Not applicable

Table III - Maximum documented contaminant concentrations in soil before and after cleanup

Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)	Contaminant	Method used	Before (mg/kg)	After (mg/kg)	Depth (ft)
NA	NA	NA	NA	Benzene	NA	NA	NA	NA
	ND	-	6.0	Toluene	NT A			
NA	NA	NA	0.0	Ethylbenzene				NA
NA	NA	NA		Xylene			NA	NA
				Other				NA NA
	used NA	Used (mg/kg) NA NA ND NA NA NA NA	used (mg/kg) (mg/kg) NA NA NA ND - NA NA NA NA NA	used(mg/kg)(mg/kg)(ft)NANANANAND-6.0NANANANANANA	used     (mg/kg)     (mg/kg)     (ft)     Containing       NA     NA     NA     NA     Benzene       ND     -     6.0     Toluene       NA     NA     NA     NA       NA     NA     NA     NA	used(mg/kg)(mg/kg)(ft)ContainmentMethodNANANANABenzeneNAND-6.0TolueneNANANANANAEthylbenzeneNANANANANANA	used     (mg/kg)     (mg/kg)     (ft)     Community     Method     Before       NA     NA     NA     NA     NA     Used     (mg/kg)       NA     NA     NA     NA     Benzene     NA     NA       ND     -     6.0     Toluene     NA     NA       NA     NA     NA     NA     Ethylbenzene     NA       NA     NA     NA     NA     NA     NA       NA     NA     NA     Ka     NA	used(mg/kg)(mg/kg)(ft)CommunitientMethodBeforeAfterNANANANABenzeneNANANAND-6.0TolueneNANANANANANANAEthylbenzeneNANANANANANAKaNANANANANA

NA - Not applicable ND - Not detected

# IV. Groundwater Remediation Information

Groundwater remediation method(s) <u>Not applicable</u>

Volume treated and/or removed Not applicable

If contamination is remaining, describe concentration range and volume (gallons or liters) Not applicable

• 1

Table IV - Maximum documented contaminant cond	centrations in groundwater before and after cleanum
------------------------------------------------	-----------------------------------------------------

Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)	Contaminant	Method used	Before (mg/l)	After (mg/l)	Depth (ft)
TPH (Gas)	NA	NA	NA	NA	Benzene	NA	NA	NA	NA
TPH (Diesel)	NA	NA	NA	NA	Toluene	NA	NA	NA	NA
Other fuel	NA	NA	NA	NA	Ethylbenzene	NA	NA	NA	NA
Heavy metals	NA	NA	NA	NA	Xylene	NA	NA	NA	_
Other	NA	NA	NA	NA	Other	NA	NA	NA	NA NA

NA - Not applicable V. Ciosure

Does Regional Board concur with closure? Yes _____ No _____

Rationale for closure

- - ----

Location of reports on file (Agency/Room) _____ County_____ Staff person _____ Phone _____ Regional Board office ______ Staff person _____ _____ Phone

# **County of Santa Clara**

Environmental Resources Agency Department of Environmental Health

2220 Moorpark Avenue San Jose, California 95128 (408) 299-6930 FAX (408) 280-6479

Contractor - Development



HAZARDOUS MATERIALS STORAGE HAZARDOUS WASTE GENERATOR **OFFICIAL NOTICE OF INSPECTION** 4-12-54 DATE __ Tank \$110 NAS 110/LE DBA/NAME _ Comments: (see marked violations on page 1) 000 tonk 5 CP. W noud 20.1 1. Allines Nov. nn NAVV and ana 2010 TIS Analysis 4071807 Regul Sande 4071*808* ovide Copu 01 tank DIDING 5-4-94 ana/ se in clind m 3 ant ani 37 6-15-94 (malings) Ko 077 462 V  $\frac{2}{2}$ 4 E2 £ **Received by:** Inspected by: millucie Hazardou's Materials Compliance Division Samples taken? Yes No Photos taken? Yes No

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