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INSTALLATION RESTORATION PROGRAM PHASE II - CONFIRMATION QUANTIFICATION STAGE 2

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VOLUME II

MACDILL AIR FORCE BASE FLORIDA

ENGINEERING-SCIENCE
Atlanta, Georgia

JULY 1988
FINAL REPORT FOR PERIOD OF JULY 1986 TO JULY 1988

Approved For Public Release; Distribution Is Unlimited

PREPARED FOR

HEADQUARTERS TACTICAL AIR COMMAND
COMMAND SURGEON'S OFFICE (HQ TAC/SGPB)
BIOENVIRONMENTAL ENGINEERING DIVISION
LANGLEY AIR FORCE BASE, VIRGINIA 23665-5001

UNITED STATES AIR FORCE
OCCUPATIONAL & ENVIRONMENTAL HEALTH
LABORATORY (USAFOEHL)
BROOKS AIR FORCE BASE, TEXAS 78235-5501

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INSTALLATION RESTORATION PROGRAM
PHASE II - CONFIRMATION/QUANTIFICATION
STAGE 2

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Final Report
For

MACDILL AFB, FLORIDA

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JULY 1988

Prepared By

ENGINEERING-SCIENCE
57 Executive Park South, Suite 590
Atlanta, Georgia 30329

USAF CONTRACT NO. F33615-84-D-4403
DELIVERY ORDER NO. 0014

USAFOEHL TECHNICAL PROGRAM MANAGER

D.J. Dietzel, 1st Lieutenant, USAF, BSC

USAF OCCUPATIONAL & ENVIRONMENTAL HEALTH LABORATORY
(USAFOEHL)
TECHNICAL SERVICES DIVISION (TS)
BROOKS AIR FORCE BASE, TEXAS 78235-5501

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19. ABSTRACT (Continue on reverse if necessary and identify by block number)

An Installation Restoration Program (IRP) Phase II, Stage 2 investigation was conducted at MacDill AFB and Avon Park AFR, Florida, to confirm the presence or absence of contamination at twelve sites. Eight of the twelve sites were previously investigated under Phase II, Stage 1 efforts. Four sites had not previously been investigated under Phase II efforts. A field program was conducted, consisting of geophysical surveys, the drilling and installation of 28 monitoring wells, an aquifer pumping test in the surficial aquifer, and the collection and analysis of groundwater, surface water, and sediment samples. At MacDill AFB, no significant contaminants were found at two of the sites. These sites were recommended for no further action. At three other sites no significant contamination was found but other evidence suggested that additional study should be considered before specific action at these sites is recommended. Significant contamination was found at three sites and these sites were recommended for additional investigation. One site at MacDill AFB was recommended for remedial action. At Avon Park AFR, all three sites showed no significant contamination and were recommended for no further action.

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SECURITY CLASSIFICATION OF THIS PAGE

PREFACE

Engineering-Science (ES) has entered into an agreement with the U.S. Air Force to perform a Phase II, Stage 2 IRP Investigation at MacDill Air Force Base and Avon Park Air Force Range near Tampa, Florida. This investigation was initiated in June 1986 under Agreement F33615-84-D-4403, Delivery Order 0014. The overall objectives of this effort were to define the magnitude, extent, direction, and rate of movement of identified contaminants and to determine the need for remedial actions based on an assessment of risks to human health and the environment.

This investigation was performed by Engineering-Science personnel from the Atlanta, Georgia office. Mark A. Guthrie, P.E., served as Project Manager and Walker J. Duncan, P.G., served as Project Leader and Hydrogeologist. Ernest J. Schroeder, P.E., and Robert S. McLeod, P.E., were Technical Reviewers for the project. Craig L. Sprinkle served as Geochemist and A. Scott Yankey was the Project Geologist and Field Team Leader.

Engineering-Science wishes to acknowledge Diversified Drilling, Inc. of Tampa, Florida, as the drilling and well installation subcontractor. Heidt and Associates of Tampa, Florida, provided surveying services and Savannah Laboratories and Environmental Services, Inc. of Savannah, Georgia and Tallahassee, Florida provided analytical services. Michael Newberry, Captain USAF, and Jeff Mason, 2d LT., USAF, from the MacDill AFB Bioenvironmental Engineering Office, provided support at the base level.

This work was accomplished between July 1986 and January 1988. 1st Lieutenant Dale J. Dietzel, Technical Services Division, USAF Occupational and Environmental Health Laboratory (USAFOEHL) was the Technical Monitor.

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AP6	AP6-2	E601	J-143
AP6	AP6-2	E602	J-144
AP6	AP6-2	E625	J-278
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58	MD58-SW-2	E602	J-539
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58	MD58-SW-3	E602	J-540
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58	MD58-SW-4	E601	J-485
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9	MD9-3	E602	J-545
9	MD9-3	E625	J-576
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9	MD9-SW-3	E601	J-507
9	MD9-SW-3	E602	J-552
9	MD9-SW-3	E625	J-581
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3	MD3-1	E625	J-581
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3	MD3-3	E625	J-586
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Ja...'s W. Andrews, Ph.D.
President

Janette M. Davis
Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

P. O. Box 13548 • Savannah, GA 31416-0548
Whitfield Avenue at Shipyard Road (31406)
(912) 354-7858

LOG NO: 86-2572

Received: 10 OCT 86

Mr. Mark Guthrie
Engineering-Science
57 Executive Park South, Suite 590
Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2572-1	MDB 1 GW ES (Detection Limits)	Client
2572-2	MDB-1 GW ES (Conc. Column 1)	
2572-3	MDB-1 GW ES (Conc. Column 2)	
2572-4	MDB-1 GW ES (RT Column 1)	
2572-5	MDB-1 GW ES (RT Column 2)	

PARAMETER	2572-1	2572-2	2572-3	2572-4	2572-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

James W. Andrews, Ph.D.
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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2572-1	MDB-1 GW ES (Detection Limits)	Client
2572-2	MDB-1 GW ES (Conc. Column 1)	
2572-3	MDB-1 GW ES (Conc. Column 2)	
2572-4	MDB-1 GW ES (RT Column 1)	
2572-5	MDB-1 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2572-1	2572-2	2572-3	2572-4	2572-5
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-1	MDB-1 GW ES (Detection Limits)	Client
2572-2	MDB-1 GW ES (Conc. Column 1)	
2572-3	MDB-1 GW ES (Conc. Column 2)	
2572-4	MDB-1 GW ES (RT Column 1)	
2572-5	MDB-1 GW ES (RT Column 2)	

PARAMETER		2572-1	2572-2	2572-3	2572-4	2572-5
Aromatic Volatiles (5030 8020)						
Benzene, ug l		0.5	ND	---	---	---
Chlorobenzene, ug l		1	ND	---	---	---
1,2-Dichlorobenzene, ug l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l		0.5	ND	---	---	---
Ethylbenzene, ug l		1	ND	---	---	---
Toluene, ug l		1	ND	---	---	---
Xylene, ug l		1	ND	---	---	---
Dilution factor		1	---	---	---	---
Percent Solids		---	---	---	---	---
QC Report,		QCV1	---	---	---	---
Date Collected		10.06.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1,2-Dibromoethane (EDB) 501.2, ug l	0.02		ND	NR	---	---

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Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-6	MDB-2 GW ES (Detection Limits)	Client
2572-7	MDB-2 GW ES (Conc. Column 1)	
2572-8	MDB-2 GW ES (Conc. Column 2)	
2572-9	MDB-2 GW ES (RT Column 1)	
2572-10	MDB-2 GW ES (RT Column 2)	

PARAMETER	2572-6	2572-7	2572-8	2572-9	2572-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	---	
Bromoform, ug/l	1	ND	ND	---	
Bromomethane, ug/l	1	ND	ND		
Carbon Tetrachloride, ug/l	0.3	ND	ND	---	
Chlorobenzene, ug/l	1	ND	ND	---	
Chloroethane, ug/l	0.8	ND	ND	---	
2-Chloroethylvinyl Ether, ug/l	1	ND	ND	---	
Chloroform, ug/l	0.2	1.4	2	13.02	18.42
Chloromethane, ug/l	1	ND	ND	---	
Dibromochloromethane, ug/l	0.5	ND	ND	---	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	
Dichlorodifluoromethane, ug/l	1	ND	ND	---	
1,1-Dichloroethane, ug/l	0.3	ND	ND	---	
1,2-Dichloroethane, ug/l	0.2	ND	ND	---	
1,1-Dichloroethylene, ug/l	0.4	ND	ND	---	
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	---	

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Janette M. Davis
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LOG NO: 86-2572

Received: 10 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2572-6	MDB-2 GW ES (Detection Limits)	Client
2572-7	MDB-2 GW ES (Conc. Column 1)	
2572-8	MDB-2 GW ES (Conc. Column 2)	
2572-9	MDB-2 GW ES (RT Column 1)	
2572-10	MDB-2 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2572-6	2572-7	2572-8	2572-9	2572-10
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	
cis-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	
trans-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	
Methylene Chloride, ug/l	0.5	ND	ND	---	
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	
Tetrachloroethylene, ug/l	0.2	ND	ND	---	
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	---	
Trichloroethylene, ug/l	0.2	ND	ND	---	
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	
Vinyl Chloride, ug/l	1	ND	ND	---	

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2572-6	MDB-2 GW ES (Detection Limits)	Client
2572-7	MDB-2 GW ES (Conc. Column 1)	
2572-8	MDB-2 GW ES (Conc. Column 2)	
2572-9	MDB-2 GW ES (RT Column 1)	
2572-10	MDB-2 GW ES (RT Column 2)	

PARAMETER	2572-6	2572-7	2572-8	2572-9	2572-10
Aromatic Volatiles (5030 8020)					
Benzene, ug/l	0.5	0.7	ND	18.63	
Chlorobenzene, ug/l	1	ND	ND	---	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	
Ethylbenzene, ug/l	1	12	6.0	28.87	31.85
Toluene, ug/l	1	1.8	ND*	25.13	
Xylene, ug/l	1	1.0	1.0	34.6235.98	32.1 33.6

Dilution factor.	1	...		---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV1	---	---	---	---
Date Collected	10.09.86	---	---	---	---
Date Analyzed	10.10.86	---	10.16.86	---	---
1,2-Dibromoethane (EDB) 501.2 ug/l	0.02	ND	NR	---	---

* Was present at a level below the detection limit (app. 0.5 ug/l).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2572-11	MDB-3 GW ES (Detection Limits)	Client
2572-12	MDB-3 GW ES (Conc. Column 1)	
2572-13	MDB-3 GW ES (Conc. Column 2)	
2572-14	MDB-3 GW ES (RT Column 1)	
2572-15	MDB-3 GW ES (RT Column 2)	

PARAMETER	2572-11	2572-12	2572-13	2572-14	2572-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-11	MDB-3 GW ES (Detection Limits)	Client
2572-12	MDB-3 GW ES (Conc. Column 1)	
2572-13	MDB-3 GW ES (Conc. Column 2)	
2572-14	MDB-3 GW ES (RT Column 1)	
2572-15	MDB-3 GW ES (RT Column 2)	

PARAMETER	2572-11	2572-12	2572-13	2572-14	2572-15
1.2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1.1.1-Trichloroethane, ug/l	0.3	ND	---	---	---
1.1.2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-11	MDB-3 GW ES (Detection Limits)	Client
2572-12	MDB-3 GW ES (Conc. Column 1)	
2572-13	MDB-3 GW ES (Conc. Column 2)	
2572-14	MDB-3 GW ES (RT Column 1)	
2572-15	MDB-3 GW ES (RT Column 2)	

PARAMETER		2572-11	2572-12	2572-13	2572-14	2572-15
Aromatic Volatiles (5030 8020)						
Benzene, ug/l		0.5	ND	---	---	---
Chlorobenzene, ug l		1	ND	---	---	---
1.2-Dichlorobenzene, ug l		0.5	ND	---	---	---
1.3-Dichlorobenzene, ug l		0.5	ND	---	---	---
1.4-Dichlorobenzene, ug l		0.5	ND	---	---	---
Ethylbenzene, ug l		1	ND	---	---	---
Toluene, ug l		1	ND	---	---	---
Xylene, ug l		1	ND	---	---	---
Dilution factor,		1	---	---	---	---
Percent Solids,		NA	---	---	---	---
QC Report,		QCV1	---	---	---	---
Date Collected		10.09.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1.2-Dibromoethane (EDB) 501.2,	ug/l	0.02	ND	NR	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-16	MDB-4 GW ES (Detection Limits)	Client
2572-17	MDB-4 GW ES (Conc. Column 1)	
2572-18	MDB-4 GW ES (Conc. Column 2)	
2572-19	MDB-4 GW ES (RT Column 1)	
2572-20	MDB-4 GW ES (RT Column 2)	

PARAMETER	2572-16	2572-17	2572-18	2572-19	2572-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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2572-16	MDB-4 GW ES (Detection Limits)	Client
2572-17	MDB-4 GW ES (Conc. Column 1)	
2572-18	MDB-4 GW ES (Conc. Column 2)	
2572-19	MDB-4 GW ES (RT Column 1)	
2572-20	MDB-4 GW ES (RT Column 2)	

PARAMETER	2572-16	2572-17	2572-18	2572-19	2572-20
1.2-Dichloropropane, ug l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug l	0.2	ND	---	---	---
trans-1.3-Dichloropropene, ug l	0.2	ND	---	---	---
Methylene Chloride, ug l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane, ug l	0.5	ND	---	---	---
Tetrachloroethylene, ug l	0.2	ND	---	---	---
1.1.1-Trichloroethane, ug l	0.3	ND	---	---	---
1.1.2-Trichloroethane, ug l	0.3	ND	---	---	---
Trichloroethylene, ug l	0.2	ND	---	---	---
Trichlorofluoromethane, ug l	0.5	ND	---	---	---
Vinyl Chloride, ug l	1	ND	---	---	---

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2572-16	MDB-4 GW ES (Detection Limits)	Client
2572-17	MDB-4 GW ES (Conc. Column 1)	
2572-18	MDB-4 GW ES (Conc. Column 2)	
2572-19	MDB-4 GW ES (RT Column 1)	
2572-20	MDB-4 GW ES (RT Column 2)	

PARAMETER		2572-16	2572-17	2572-18	2572-19	2572-20
Aromatic Volatiles (5030-8020)						
Benzene, ug/l		0.5	ND	---	---	---
Chlorobenzene, ug/l		1	ND	---	---	---
1,2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l		0.5	ND	---	---	---
Ethylbenzene, ug/l		1	ND	---	---	---
Toluene, ug/l		1	ND	---	---	---
Xylene, ug/l		1	ND	---	---	---
Dilution factor.		1	---	---	---	---
Percent Solids.		NA	---	---	---	---
QC Report.		QCV1	---	---	---	---
Date Collected		10.09.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1,2-Dibromoethane (EDB) 501.2	ug/l	0.02	ND	NR	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-21	MDB-5 GW (Detection Limits)	Client
2572-22	MDB-5 GW (Conc. Column 1)	
2572-23	MDB-5 GW (Conc. Column 2)	
2572-24	MDB-5 GW (RT Column 1)	
2572-25	MDB-5 GW (RT Column 2)	

PARAMETER	2572-21	2572-22	2572-23	2572-24	2572-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-21	MDB-5 GW (Detection Limits)	Client
2572-22	MDB-5 GW (Conc Column 1)	
2572-23	MDB-5 GW (Conc. Column 2)	
2572-24	MDB-5 GW (RT Column 1)	
2572-25	MDB-5 GW (RT Column 2)	

PARAMETER	2572-21	2572-22	2572-23	2572-24	2572-25
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2572-21	MDB-5 GW	(Detection Limits)	Client
2572-22	MDB-5 GW	(Conc Column 1)	
2572-23	MDB-5 GW	(Conc Column 2)	
2572-24	MDB-5 GW	(RT Column 1)	
2572-25	MDB-5 GW	(RT Column 2)	

PARAMETER		2572-21	2572-22	2572-23	2572-24	2572-25
Aromatic Volatiles (5030 8020)						
Benzene, ug l		0.5	ND	---	---	---
Chlorobenzene, ug l		1	ND	---	---	---
1,2-Dichlorobenzene, ug l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l		0.5	ND	---	---	---
Ethylbenzene, ug l		1	ND	---	---	---
Toluene, ug l		1	ND	---	---	---
Xylene, ug l		1	ND	---	---	---
Dilution factor		1		---	---	---
Percent Solids		NA	---	---	---	---
QC Report		QCV1	---	---	---	---
Date Collected		10.09.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1,2-Dibromoethane (EDB) 501.2	ug l	0.02	ND	NR	---	---

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LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2572-31	DK MD3-1 (Detection Limits)	Client
2572-32	DK MD3-1 (Conc. Column 1)	
2572-33	DK MD3-1 (Conc. Column 2)	
2572-34	DK MD3-1 (RT Column 1)	
2572-35	DK MD3-1 (RT Column 2)	

PARAMETER	2572-31	2572-32	2572-33	2572-34	2572-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO: 86-2572

Received: 10 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-31	DK MD3-1 (Detection Limits)	Client
2572-32	DK MD3-1 (Conc. Column 1)	
2572-33	DK MD3-1 (Conc. Column 2)	
2572-34	DK MD3-1 (RT Column 1)	
2572-35	DK MD3-1 (RT Column 2)	

PARAMETER	2572-31	2572-32	2572-33	2572-34	2572-35
1.2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1.1.1-Trichloroethane, ug/l	0.3	ND	---	---	---
1.1.2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-31	DK MD3-1 (Detection Limits)	Client
2572-32	DK MD3-1 (Conc. Column 1)	
2572-33	DK MD3-1 (Conc. Column 2)	
2572-34	DK MD3-1 (RT Column 1)	
2572-35	DK MD3-1 (RT Column 2)	

PARAMETER	2572-31	2572-32	2572-33	2572-34	2572-35
Aromatic Volatiles (5030/8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV2	---	---	---	---
Date Collected	10.10.86	---	---	---	---
Date Analyzed	10.14.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-51	DK MD3-2 (Detection Limits)	Client
2572-52	DK MD3-2 (Conc. Column 1)	
2572-53	DK MD3-2 (Conc. Column 2)	
2572-54	DK MD3-2 (RT Column 1)	
2572-55	DK MD3-2 (RT Column 2)	

PARAMETER	2572-51	2572-52	2572-53	2572-54	2572-55
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, WATER SAMPLES	SAMPLED BY
2572-51	DK MD3-2 (Detection Limits)	Client
2572-52	DK MD3-2 (Conc. Column 1)	
2572-53	DK MD3-2 (Conc. Column 2)	
2572-54	DK MD3-2 (RT Column 1)	
2572-55	DK MD3-2 (RT Column 2)	

PARAMETER	2572-51	2572-52	2572-53	2572-54	2572-55
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-51	DK MD3 2 (Detection Limits)	Client
2572-52	DK MD3-2 (Conc. Column 1)	
2572-53	DK MD3-2 (Conc. Column 2)	
2572-54	DK MD3-2 (RT Column 1)	
2572-55	DK MD3-2 (RT Column 2)	

PARAMETER	2572-51	2572-52	2572-53	2572-54	2572-55
Aromatic Volatiles (5030 8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV2	---	---	---	---
Date Collected	10.10.86	---	---	---	---
Date Analyzed	10.14.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-26	DK MD3-3 (Detection Limits)	Client
2572-27	DK MD3-3 (Conc. Column 1)	
2572-28	DK MD3-3 (Conc. Column 2)	
2572-29	DK MD3-3 (RT Column 1)	
2572-30	DK MD3-3 (RT Column 2)	

PARAMETER	2572-26	2572-27	2572-28	2572-29	2572-30
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	---	---	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	---	---	---
Chloroform, ug l	0.2	ND	---	---	---
Chloromethane, ug l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION, WATER SAMPLES	SAMPLED BY
2572-26	DK MD3-3 (Detection Limits)	Client
2572-27	DK MD3-3 (Conc. Column 1)	
2572-28	DK MD3-3 (Conc. Column 2)	
2572-29	DK MD3-3 (RT Column 1)	
2572-30	DK MD3-3 (RT Column 2)	

PARAMETER	2572-26	2572-27	2572-28	2572-29	2572-30
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION, WATER SAMPLES	SAMPLED BY
2572-26	DK MD3-3 (Detection Limits)	Client
2572-27	DK MD3-3 (Conc. Column 1)	
2572-28	DK MD3 3 (Conc. Column 2)	
2572-29	DK MD3-3 (RT Column 1)	
2572-30	DK MD3-3 (RT Column 2)	

PARAMETER	2572-26	2572-27	2572-28	2572-29	2572-30
Aromatic Volatiles (5030/8020)					
Benzene, ug l	0.5	ND	--	--	---
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	--	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	--	--	---
Xylene, ug l	1	ND	---	---	---
Dilution factor	1	---	--	---	--
Percent Solids	NA	---	-	---	---
QC Report	QCV2	---	---	---	---
Date Collected	10.10.86	---	---	---	---
Date Analyzed	10.14.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2572-36	DK MD3-6 (Detection Limits)	Client
2572-37	DK MD3-6 (Conc. Column 1)	
2572-38	DK MD3-6 (Conc. Column 2)	
2572-39	DK MD3-6 (RT Column 1)	
2572-40	DK MD3-6 (RT Column 2)	

PARAMETER	2572-36	2572-37	2572-38	2572-39	2572-40
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-36	DK MD3-6 (Detection Limits)	Client
2572-37	DK MD3-6 (Conc. Column 1)	
2572-38	DK MD3-6 (Conc. Column 2)	
2572-39	DK MD3-6 (RT Column 1)	
2572-40	DK MD3-6 (RT Column 2)	

PARAMETER	2572-36	2572-37	2572-38	2572-39	2572-40
1.2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1.1.1-Trichloroethane, ug/l	0.3	ND	---	---	---
1.1.2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-36	DK MD3-6 (Detection Limits)	Client
2572-37	DK MD3-6 (Conc. Column 1)	
2572-38	DK MD3-6 (Conc Colum 2)	
2572-39	DK MD3-6 (RT Column	
2572-40	DK MD3 6 (RT Column ..)	

PARAMETER	2572-36	2572-37	2572-38	2572-39	2572-40
Aromatic Volatiles (5030 8020)					
Benzene, ug l	0 5	ND	---	---	---
Chlorobenzene, ug l	1	ND	--	---	---
1,2-Dichlorobenzene, ug l	0 5	ND	--	---	---
1,3-Dichlorobenzene, ug l	0 5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0 5	ND	---	--	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---
Xylene, ug l	1		---	---	---
Dilution factor,	1	1	1	---	---
Percent Solids,	NA	---	---	---	---
QC Report,	QCV3	---	---	---	---
Date Collected	10.10.86	---	---	---	---
Date Analyzed	10.15.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2572-41	DK MD3-7 (Detection Limits)	Client
2572-42	DK MD3-7 (Conc. Column 1)	
2572-43	DK MD3-7 (Conc. Column 2)	
2572-44	DK MD3-7 (RT Column 1)	
2572-45	DK MD3-7 (RT Column 2)	

PARAMETER		2572-41	2572-42	2572-43	2572-44	2572-45
Purgeable Halocarbons (601)						
Bromodichloromethane	ug/l	0.4	ND	---	---	---
Bromoform	ug/l	1	ND	---	---	---
Bromomethane	ug/l	1	ND	---	---	---
Carbon Tetrachloride	ug/l	0.3	ND	---	---	---
Chlorobenzene	ug/l	1	ND	---	---	---
Chloroethane	ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether	ug/l	1	ND	---	---	---
Chloroform	ug/l	0.2	ND	---	---	---
Chloromethane	ug/l	1	ND	---	---	---
Dibromochloromethane	ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene	ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene	ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene	ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane	ug/l	1	ND	---	---	---
1,1-Dichloroethane	ug/l	0.3	ND	---	---	---
1,2-Dichloroethane	ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene	ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene	ug/l	0.3	ND	---	---	---

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P. O. Box 13548 • Savannah, GA 31416-0548
Whitfield Avenue at Shipyard Road (31406)
(912) 354-7858

LOG NO: 86-2572

Received: 10 OCT 86

Mr. Mark Guthrie
Engineering-Science
57 Executive Park South, Suite 590
Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-41	DK MD3-7 (Detection Limits)	Client
2572-42	DK MD3-7 (Conc. Column 1)	
2572-43	DK MD3-7 (Conc. Column 2)	
2572-44	DK MD3-7 (RT Column 1)	
2572-45	DK MD3-7 (RT Column 2)	

PARAMETER	2572-41	2572-42	2572-43	2572-44	2572-45
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	1	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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President

Janette M. Davis
Vice-President

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-41	DK MD3-7 (Detection Limits)	Client
2572-42	DK MD3-7 (Conc Column 1)	
2572-43	DK MD3-7 (Conc. Column 2)	
2572-44	DK MD3-7 (RT Column 1)	
2572-45	DK MD3 7 (RT Column 2)	

PARAMETER	2572-41	2572-42	2572-43	2572-44	2572-45
Aromatic Volatiles (5030 8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV3	---	---	---	---
Date Collected	10.10.86	---	---	---	---
Date Analyzed	10.15.86	---	---	---	---

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LOG NO: 86-2613

Received: 14 OCT 86

Mr. Mark Guthrie
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-6	PL MD58-1 GW ES (Detection Limits)	Client
2613-7	PL MD58-1 GW ES (Conc. Column 1)	
2613-8	PL MD58-1 GW ES (Conc. Column 2)	
2613-9	PL MD58-1 GW ES (RT Column 1)	
2613-10	PL MD58-1 GW ES (RT Column 2)	

PARAMETER	2613-6	2613-7	2613-8	2613-9	2613-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
[illegible], ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-6	PL MD58-1 GW ES (Detection Limits)	Client
2613-7	PL MD58-1 GW ES (Conc. Column 1)	
2613-8	PL MD58-1 GW ES (Conc. Column 2)	
2613-9	PL MD58-1 GW ES (RT Column 1)	
2613-10	PL MD58-1 GW ES (RT Column 2)	

PARAMETER	2613-6	2613-7	2613-8	2613-9	2613-10
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (EPA 602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-6	PL MD58-1 GW ES (Detection Limits)	Client
2613-7	PL MD58-1 GW ES (Conc. Column 1)	
2613-8	PL MD58-1 GW ES (Conc. Column 2)	
2613-9	PL MD58-1 GW ES (RT Column 1)	
2613-10	PL MD58-1 GW ES (RT Column 2)	

PARAMETER	2613-6	2613-7	2613-8	2613-9	2613-10
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV3	---	---	---	---
Date Collected	10.13.86	---	---	---	---
Date Analyzed	10.15.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-26	PL MD58-2 GW ES (Detection Limits)	Client
2613-27	PL MD58-2 GW ES (Conc. Column 1)	
2613-28	PL MD58 2 GW ES (Conc. Column 2)	
2613-29	PL MD58-2 GW ES (RT Column 1)	
2613-30	PL MD58 2 GW ES (RT Column 2)	

PARAMETER	2613-26	2613 27	2613 28	2613-29	2613-30
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	---	---	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0 8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	---	---	---
Chloroform, ug l	0.2	ND	---	---	---
Chloromethane, ug l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1.2-Dichlorobenzene, ug l	0 5	ND	---	---	---
1.3-Dichlorobenzene ug l	0 5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1.2-Dichloroethane, ug l	0.2	ND	---	---	---
1.1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1.2-Dichloroethene, ug l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-26	PL MD58-2 GW ES (Detection Limits)	Client
2613-27	PL MD58-2 GW ES (Conc. Column 1)	
2613-28	PL MD58-2 GW ES (Conc. Column 2)	
2613-29	PL MD58-2 GW ES (RT Column 1)	
2613-30	PL MD58-2 GW ES (RT Column 2)	

PARAMETER	2613-26	2613-27	2613-28	2613-29	2613-30
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-26	PL MD58-2 GW ES (Detection Limits)	Client
2613-27	PL MD58-2 GW ES (Conc. Column 1)	
2613-28	PL MD58-2 GW ES (Conc. Column 2)	
2613-29	PL MD58-2 GW ES (RT Column 1)	
2613-30	PL MD58-2 GW ES (RT Column 2)	

PARAMETER	2613-26	2613-27	2613-28	2613-29	2613-30
Dilution factor.	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report.	QCV3	---	---	---	---
Date Collected	10 13 86	---	---	---	---
Date Analyzed	10 15 86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-21	PL MD58-3 GW ES (Detection Limits)	Client
2613-22	PL MD58-3 GW ES (Conc. Column 1)	
2613-23	PL MD58-3 GW ES (Conc. Column 2)	
2613-24	PL MD58-3 GW ES (RT Column 1)	
2613-25	PL MD58-3 GW ES (RT Column 2)	

PARAMETER	2613-21	2613-22	2613-23	2613-24	2613-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-21	PL MD58-3 GW ES (Detection Limits)	Client
2613-22	PL MD58-3 GW ES (Conc. Column 1)	
2613-23	PL MD58-3 GW ES (Conc. Column 2)	
2613-24	PL MD58-3 GW ES (RT Column 1)	
2613-25	PL MD58-3 GW ES (RT Column 2)	

PARAMETER	2613-21	2613-22	2613-23	2613-24	2613-25
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2 Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-21	PL MD58-3 GW ES (Detection Limits)	Client
2613-22	PL MD58-3 GW ES (Conc. Column 1)	
2613-23	PL MD58-3 GW ES (Conc. Column 2)	
2613-24	PL MD58-3 GW ES (RI Column 1)	
2613-25	PL MD58-3 GW ES (RI Column 2)	

PARAMETER	2613-21	2613-22	2613-23	2613-24	2613-25
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV4	---	---	---	---
Date Collected	10.13.86	---	---	---	---
Date Analyzed	10.16.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-16	PL MD58-4 GW ES (Detection Limits)	Client
2613-17	PL MD58-4 GW ES (Conc. Column 1)	
2613-18	PL MD58-4 GW ES (Conc. Column 2)	
2613-19	PL MD58-4 GW ES (RT Column 1)	
2613-20	PL MD58-4 GW ES (RT Column 2)	

PARAMETER	2613-16	2613-17	2613-18	2613-19	2613-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	1.4	0.8	26.28	31.74
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	2.1	2.0	43.14	40.15
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	1.3	5.0	11.70	16.27
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-16	PL MD58-4 GW ES (Detection Limits)	Client
2613-17	PL MD58-4 GW ES (Conc. Column 1)	
2613-18	PL MD58-4 GW ES (Conc. Column 2)	
2613-19	PL MD58-4 GW ES (RT Column 1)	
2613-20	PL MD58-4 GW ES (RT Column 2)	

PARAMETER		2613-16	2613-17	2613-18	2613-19	2613-20
1,2-Dichloropropane, ug/l		0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l		0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l		0.2	ND	---	---	---
Methylene Chloride, ug/l		0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l		0.5	ND	---	---	---
Tetrachloroethylene, ug/l		0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l		0.3	ND		---	
1,1,2-Trichloroethane, ug/l		0.3	ND	---	---	---
Trichloroethylene, ug/l		0.2	ND			
Trichlorofluoromethane, ug/l		0.5	ND	---	---	---
Vinyl Chloride, ug/l		1	ND	---	---	---
Purgeable Aromatics (602)						
Benzene, ug/l		0.5	33*	16*	18.50	20.72
Chlorobenzene, ug/l		1	[illegible]	[illegible]	26.19	31.74
1,2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l		0.5	11	2.0	42.96	40.15
Ethylbenzene, ug/l		1	ND	---	---	---
Toluene, ug/l		1	ND		---	

*Chromatograph contained many hydrocarbon peaks which made identification difficult.

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LOG NO: 86-2613

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-16	PL MD58-4 GW ES (Detection Limits)	Client
2613-17	PL MD58-4 GW ES (Conc. Column 1)	
2613-18	PL MD58-4 GW ES (Conc. Column 2)	
2613-19	PL MD58-4 GW ES (RT Column 1)	
2613-20	PL MD58-4 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2613-16	2613-17	2613-18	2613-19	2613-20
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV3	---	---	---	---
Date Collected	10.13.86	---	---	---	---
Date Analyzed	10.15.86	---	10.17.86	---	---

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LOG NO: 86-2572

Received: 10 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2572-46	PL MD58-5 (Detection Limits)	Client
2572-47	PL MD58-5 (Conc. Column 1)	
2572-48	PL MD58-5 (Conc. Column 2)	
2572-49	PL MD58-5 (RT Column 1)	
2572-50	PL MD58-5 (RT Column 2)	

PARAMETER	2572-46	2572-47	2572-48	2572-49	2572-50
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2572-46	PL MD58-5 (Detection Limits)	Client
2572-47	PL MD58-5 (Conc. Column 1)	
2572-48	PL MD58-5 (Conc. Column 2)	
2572-49	PL MD58-5 (RT Column 1)	
2572-50	PL MD58-5 (RT Column 2)	

PARAMETER	2572-46	2572-47	2572-48	2572-49	2572-50
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

601, 602, 5030/8020 Analyses

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2572-46	PL MD58-5 (Detection Limits)	Client
2572-47	PL MD58-5 (Conc. Column 1)	
2572-48	PL MD58-5 (Conc. Column 2)	
2572-49	PL MD58-5 (RT Column 1)	
2572-50	PL MD58-5 (RT Column 2)	

PARAMETER	2572-46	2572-47	2572-48	2572-49	2572-50
Aromatic Volatiles (3030 8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV2	---	---	---	---
Date Collected	10.10.86	---	---	---	---
Date Analyzed	10.14.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION : GROUND WATER SAMPLES	SAMPLED BY
2613-1	PL MD58-6 GW ES (Detection Limits)	Client
2613-2	PL MD58-6 GW ES (Conc Column 1)	
2613-3	PL MD58-6 GW ES (Conc. Column 2)	
2613-4	PL MD58-6 GW ES (RT Column 1)	
2613-5	PL MD58-6 GW ES (RT Column 2)	

PARAMETER	2613-1	2613-2	2613-3	2613-4	2613-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.1	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-1	PL MD58-6 GW ES (Detection Limits)	Client
2613-2	PL MD58-6 GW ES (Conc. Column 1)	
2613-3	PL MD58-6 GW ES (Conc. Column 2)	
2613-4	PL MD58-6 GW ES (RT Column 1)	
2613-5	PL MD58-6 GW ES (RT Column 2)	

PARAMETER	2613-1	2613-2	2613-3	2613-4	2613-5
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-1	PL MD58-6 GW ES (Detection Limits)	Client
2613-2	PL MD58-6 GW ES (Conc. Column 1)	
2613-3	PL MD58-6 GW ES (Conc. Column 2)	
2613-4	PL MD58-6 GW ES (RT Column 1)	
2613-5	PL MD58-6 GW ES (RT Column 2)	

PARAMETER	2613-1	2613-2	2613-3	2613-4	2613-5
Dilution factor.	1	-	---	---	- -
Percent Solids.	NA	---	---	---	---
QC Report.	QCV4	---	---	---	---
Date Collected	10.13.86	--	---	---	---
Date Analyzed	10.16.86	---	---	- -	---

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LOG NO: 86-2613

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2613-11	PL MD58-7 GW	(Detection Limits)	Client
2613-12	PL MD58-7 GW	(Conc. Column 1)	
2613-13	PL MD58-7 GW	(Conc. Column 2)	
2613-14	PL MD58-7 GW	(RT Column 1)	
2613-15	PL MD58-7 GW	(RT Column 2)	

PARAMETER	2613-11	2613-12	2613-13	2613-14	2613-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	---	
Bromoform, ug/l	1	ND	ND	---	
Bromomethane, ug/l	1	ND	ND	---	
Carbon Tetrachloride, ug/l	0.2	ND	ND	---	
Chlorobenzene, ug/l	1	4.7	ND	26.27	
Chloroethane, ug/l	0.8	ND	ND	---	
2-Chloroethylvinyl Ether, ug/l	1	ND	ND	---	
Chloroform, ug/l	0.2	ND	ND	---	
Chloromethane, ug/l	1	ND	ND	---	
Dibromochloromethane, ug/l	0.5	ND	ND	---	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	2.3	2	43.13	40.13
Dichlorodifluoromethane, ug/l	1	ND	ND	---	
1,1-Dichloroethane, ug/l	0.3	1.4	5	11.70	16.26
1,2-Dichloroethane, ug/l	0.2	ND	ND	---	
1,1-Dichloroethylene, ug/l	0.4	ND	ND	---	
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	---	

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-11	PL MD58-7 GW (Detection Limits)	Client
2613-12	PL MD58-7 GW (Conc. Column 1)	
2613-13	PL MD58-7 GW (Conc. Column 2)	
2613-14	PL MD58-7 GW (RT Column 1)	
2613-15	PL MD58-7 GW (RT Column 2)	

PARAMETER	2613-11	2613-12	2613-13	2613-14	2613-15
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	
cis-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	
trans-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	
Methylene Chloride, ug/l	0.5	ND	ND	---	
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	
Tetrachloroethylene, ug/l	0.2	ND	ND	---	
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	---	
Trichloroethylene, ug/l	0.2	ND	ND		
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	
Vinyl Chloride, ug/l	1	ND	ND	---	
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	45	3	18.48	20.70
Chlorobenzene, ug/l	1	5.6	ND*	26.19	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	12	2	42.92	40.13
Ethylbenzene, ug/l	1	1.2	ND	28.66	
Toluene, ug/l	1	ND	ND	---	

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2613-11	PL MD58-7 GW	(Detection Limits)	Client
2613-12	PL MD58-7 GW	(Conc. Column 1)	
2613-13	PL MD58-7 GW	(Conc. Column 2)	
2613-14	PL MD58-7 GW	(RT Column 1)	
2613-15	PL MD58-7 GW	(RT Column 2)	

PARAMETER	2613-11	2613-12	2613-13	2613-14	2613-15
Dilution factor	1	--	--	---	---
Percent Solids	NA	--	---	--	---
QC Report	QCV3	--	--	---	---
Date Collected	10 13 86	--	---	---	---
Date Analyzed	10 15 86	---	10 17 86	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-56	RL MD9-2 GW ES (Detection Limits)	Client
2613-57	RL MD9-2 GW ES (Conc. Column 1)	
2613-58	RL MD9-2 GW ES (Conc. Column 2)	
2613-59	RL MD9-2 GW ES (RT Column 1)	
2613-60	RL MD9-2 GW ES (RT Column 2)	

PARAMETER	2613-56	2613-57	2613-58	2613-59	2613-60
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	--	
Bromoform, ug/l	1	ND	ND	--	
Bromomethane, ug/l	1	ND	ND	--	
Carbon Tetrachloride, ug/l	0.3	ND	ND	--	
Chlorobenzene, ug/l	1	ND	ND	---	
Chloroethane, ug/l	0.8	ND	ND	---	
2-Chloroethylvinyl Ether, ug/l	1	ND	ND	--	
Chloroform, ug/l	0.2	ND	ND	---	
Chloromethane, ug/l	1	ND	ND	--	
Dibromochloromethane, ug/l	0.5	ND	ND	---	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	--	
Dichlorodifluoromethane, ug/l	1	ND	ND	---	
1,1-Dichloroethane, ug/l	0.3	ND	ND	--	
1,2-Dichloroethane, ug/l	0.2	ND	ND	---	
1,1-Dichloroethylene, ug/l	0.4	ND	ND	---	
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	---	

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LOG NO	SAMPLE DESCRIPTION : GROUND WATER SAMPLES	SAMPLED BY
2613-56	RL MD9-2 GW ES (Detection Limits)	Client
2613-57	RL MD9 2 GW ES (Conc Column 1)	
2613-58	RL MD9-2 GW ES (Conc. Column 2)	
2613-59	RL MD9-2 GW ES (RT Column 1)	
2613-60	RL MD9-2 GW ES (RT Column 2)	

PARAMETER	2613-56	2613-57	2613-58	2613-59	2613-60
1,2-Dichloropropane, ug l	0.5	ND	ND	---	
cis 1,3-Dichloropropene, ug l	0.2	ND	ND	---	
trans 1,3-Dichloropropene, ug l	0.2	ND	ND	---	
Methylene Chloride, ug l	0.5	ND	ND	---	
1,1,2,2-Tetrachloroethane, ug l	0.5	ND	ND	---	
Tetrachloroethylene, ug l	0.2	ND	ND	---	
1,1,1-Trichloroethane, ug l	0.3	ND	ND	---	
1,1,2-Trichloroethane, ug l	0.3	ND	ND	---	
Trichloroethylene, ug l	0.2	ND	ND	---	
Trichlorofluoromethane, ug l	0.5	ND	ND	---	
Vinyl Chloride, ug l	1	ND	ND	---	
Purgeable Aromatics (602)					
Benzene, ug l	0.5	0.6	ND*	18.48	---
Chlorobenzene, ug l	1	ND	ND		
1,2-Dichlorobenzene, ug l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug l	0.5	ND	ND	---	
Ethylbenzene, ug l	1	ND	ND	---	
Toluene, ug l	1	ND	ND	---	

* Present but below detection limit.

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SAVANNAH LABORATORIES
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LOG NO: 86-2613

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-56	RL MD9-2 GW ES (Detection Limits)	Client
2613-57	RL MD9-2 GW ES (Conc. Column 1)	
2613-58	RL MD9-2 GW ES (Conc. Column 2)	
2613-59	RL MD9-2 GW ES (RT Column 1)	
2613-60	RL MD9-2 GW ES (RT Column 2)	

PARAMETER	2613-56	2613-57	2613-58	2613-59	2613-60
Dilution factor.	1	---		---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV4	---	---	---	---
Date Collected	10.14.86	---	---	---	---
Date Analyzed	10.16.86		10.16.86	---	---

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LOG NO: 86-2668

Received: 18 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-1	RL MD9-3 GW ES (Detection Limits)	Client
2668-2	RL MD9-3 GW ES (Conc. Column 1)	
2668-3	RL MD9-3 GW ES (Conc. Column 2)	
2668-4	RL MD9-3 GW ES (RT Column 1)	
2668-5	RL MD9-3 GW ES (RT Column 2)	

PARAMETER	2668-1	2668-2	2668-3	2668-4	2668-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-1	RL MD9-3 GW ES (Detection Limits)	Client
2668-2	RL MD9-3 GW ES (Conc. Column 1)	
2668-3	RL MD9-3 GW ES (Conc. Column 2)	
2668-4	RL MD9-3 GW ES (RT Column 1)	
2668-5	RL MD9-3 GW ES (RT Column 2)	

PARAMETER	2668-1	2668-2	2668-3	2668-4	2668-5
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	2.4	3	18.42	18.57
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	ND	ND	---	---
Toluene, ug/l	1	ND	ND	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2668-1	RL MD9-3 GW ES (Detection Limits)	Client
2668-2	RL MD9-3 GW ES (Conc. Column 1)	
2668-3	RL MD9-3 GW ES (Conc. Column 2)	
2668-4	RL MD9-3 GW ES (RT Column 1)	
2668-5	RL MD9-3 GW ES (RT Column 2)	

PARAMETER	2668-1	2668-2	2668-3	2668-4	2668-5
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV7	---	---	---	---
Date Collected	10.17.86	---	---	---	---
Date Analyzed	10 19 86	---	10 25 86	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-61	RL MD9-4 GW ES (Detection Limits)	Client
2613-62	RL MD9-4 GW ES (Conc. Column 1)	
2613-63	RL MD9-4 GW ES (Conc. Column 2)	
2613-64	RL MD9-4 GW ES (RT Column 1	
2613-65	RL MD9-4 GW ES (RT Column 2)	

PARAMETER	2613-61	2613-62	2613-63	2613-64	2613-65
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---		---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND		---	
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND		---	---
Dibromochloromethane, ug/l	0.5	ND	---		---
1,2-Dichlorobenzene, ug/l	0.5	ND	---		---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---		
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-61	RL MD9-4 GW ES (Detection Limits)	Client
2613-62	RL MD9-4 GW ES (Conc. Column 1)	
2613-63	RL MD9-4 GW ES (Conc. Column 2)	
2613-64	RL MD9-4 GW ES (RT Column 1	
2613-65	RL MD9-4 GW ES (RT Column 2)	

PARAMETER	2613-61	2613-62	2613-63	2613-64	2613 65
1,2-Dichloropropane, ug l	0 5	ND	---	---	---
cis-1,3-Dichloropropene, ug l	0 2	ND	---	---	---
trans 1,3-Dichloropropene, ug l	0 2	ND	---	-	- -
Methylene Chloride, ug l	0 5	ND	---	- -	---
1,1,2,2-Tetrachloroethane, ug l	0 5	ND	---	--	---
Tetrachloroethylene, ug l	0 2	ND	---	---	---
1,1,1-Trichloroethane, ug l	0 3	ND	---	-	---
1,1,2-Trichloroethane, ug l	0 3	ND	---	---	---
Trichloroethylene, ug l	0 2	ND	--	-	-
Trichlorofluoromethane, ug l	0 5	ND	---	---	---
Vinyl Chloride, ug l	1	ND	-	-	-
Purgeable Aromatics (602)					
Benzene, ug l	0 5	ND	---	---	-
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0 5	ND	- -		-
1,3-Dichlorobenzene, ug l	0 5	ND	---	-	---
1,4-Dichlorobenzene, ug l	0 5	ND	---	-	
Ethylbenzene, ug l	1	ND	--	---	--
Toluene, ug l	1	ND	-	-	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION : GROUND WATER SAMPLES	SAMPLED BY
2613-61	RL MD9-4 GW ES (Detection Limits)	Client
2613-62	RL MD9-4 GW ES (Conc. Column 1)	
2613-63	RL MD9-4 GW ES (Conc. Column 2)	
2613-64	RL MD9-4 GW ES (RT Column 1	
2613-65	RL MD9-4 GW ES (RT Column 2)	

PARAMETER	2613-61	2613-62	2613-63	2613-64	2613-65
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV1	---	---	---	---
Date Collected	10.14.86	---	---	---	---
Date Analyzed	10.16.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-46	RL MD9-5 GW ES (Detection Limits)	Client
2613-47	RL MD9-5 GW ES (Conc. Column 1)	
2613-48	RL MD9-5 GW ES (Conc. Column 2)	
2613-49	RL MD9-5 GW ES (RT Column 1)	
2613-50	RL MD9-5 GW ES (RT Column 2)	

PARAMETER	2613-46	2613-47	2613-48	2613-49	2613-50
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.2	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-46	RL MD9 5 GW ES (Detection Limits)	Client
2613-47	RL MD9-5 GW ES (Conc. Column 1)	
2613-48	RL MD9-5 GW ES (Conc. Column 2)	
2613-49	RL MD9-5 GW ES (RT Column 1)	
2613-50	RL MD9-5 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2613-46	2613-47	2613-48	2613-49	2613-50
1,2-Dichloropropane, ug l	0 5	ND	---	---	---
cis-1,3-Dichloropropene, ug l	0 2	ND	---	---	---
trans-1,3-Dichloropropene, ug l	0.2	ND	---	---	---
Methylene Chloride, ug l	0 5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug l	0 5	ND	---	---	---
Tetrachloroethylene, ug l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug l	0 3	ND	---	---	---
1,1,2-Trichloroethane, ug l	0.3	ND	---	---	---
Trichloroethylene, ug l	0 2	ND	---	---	---
Trichlorofluoromethane, ug l	0 5	ND	---	---	---
Vinyl Chloride, ug l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug l	0.5	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0 5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0 5	ND	---	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-46	RI MD9-5 GW ES (Detection Limits)	Client
2613-47	RL MD9-5 GW ES (Conc. Column 1)	
2613-48	RL MD9-5 GW ES (Conc. Column 2)	
2613-49	RL MD9-5 GW ES (RT Column 1)	
2613-50	RI MD9-5 GW ES (RT Column 2)	

PARAMETER	2613-46	2613-47	2613-48	2613-49	2613-50
Dilution factor	1	--	---	---	--
Percent Solids	NA	-	-	---	---
QC Report	QCV4	---	--	---	---
Date Collected	10 14 86	--	--	---	---
Date Analyzed	10.16.86	-	- -	- -	---

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-41	RI MD9-6 GW ES (Detection Limits)	Client
2613-42	RL MD9-6 GW ES (Conc. Column 1)	
2613-43	RL MD9-6 GW ES (Conc. Column 2)	
2613-44	RL MD9-6 GW ES (RT Column 1)	
2613-45	RL MD9-6 GW ES (RT Column 2)	

PARAMETER	2613-41	2613-42	2613-43	2613-44	2613-45
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	NR	---	
Bromoform, ug/l	1	ND		---	
Bromomethane, ug/l	1	ND		---	
Carbon Tetrachloride, ug/l	0.3	ND		---	
Chlorobenzene, ug/l	1	ND		---	
Chloroethane, ug/l	0.8	ND		---	
2-Chloroethylvinyl Ether, ug/l	1	ND		---	
Chloroform, ug/l	0.2	ND		---	
Chloromethane, ug/l	1	ND		---	
Dibromochloromethane, ug/l	0.3	ND		---	
1,2-Dichlorobenzene, ug/l	0.5	ND		---	
1,3-Dichlorobenzene, ug/l	0.5	ND		---	
1,4-Dichlorobenzene, ug/l	0.5	ND		---	
Dichlorodifluoromethane, ug/l	1	ND		---	
1,1-Dichloroethane, ug/l	0.3	ND		---	
1,2-Dichloroethane, ug/l	0.2	ND		---	
1,1-Dichloroethylene, ug/l	0.4	ND		---	
trans-1,2-Dichloroethene, ug/l	0.3	ND		---	

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-41	RL MD9-6 GW ES (Detection Limits)	Client
2613-42	RL MD9-6 GW ES (Conc. Column 1)	
2613-43	RL MD9-6 GW ES (Conc. Column 2)	
2613-44	RL MD9-6 GW ES (RT Column 1)	
2613-45	RL MD9-6 GW ES (RT Column 2)	

PARAMETER	2613-41	2613-42	2613-43	2613-44	2613-45
1,2-Dichloropropane, ug/l	0.5	ND		---	
cis-1,3-Dichloropropene, ug/l	0.2	ND		---	
trans-1,3-Dichloropropene, ug/l	0.2	ND		---	
Methylene Chloride, ug/l	0.5	ND		---	
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND		---	
Tetrachloroethylene, ug/l	0.2	ND		---	
1,1,1-Trichloroethane, ug/l	0.3	ND		--	
1,1,2-Trichloroethane, ug/l	0.3	ND		--	
Trichloroethylene, ug/l	0.2	ND		--	
Trichlorofluoromethane, ug/l	0.5	ND		--	
Vinyl Chloride, ug/l	1	ND		--	
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND		--	
Chlorobenzene, ug/l	1	ND		---	
1,2-Dichlorobenzene, ug/l	0.5	ND		--	
1,3-Dichlorobenzene, ug/l	0.5	ND		---	
1,4-Dichlorobenzene, ug/l	0.5	ND		---	
Ethylbenzene, ug/l	1	ND		---	
Toluene, ug/l	1	ND		--	

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-41	RL MD9-6 GW ES (Detection Limits)	Client
2613-42	RL MD9-6 GW ES (Conc. Column 1)	
2613-43	RL MD9-6 GW ES (Conc. Column 2)	
2613-44	RL MD9-6 GW ES (RT Column 1)	
2613-45	RL MD9-6 GW ES (RT Column 2)	

PARAMETER	2613-41	2613-42	2613-43	2613-44	2613-45
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCVJ	---	---	---	---
Date Collected	10 14 86	---	---	---	---
Date Analyzed	10 16 86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2613-51	RL MD9 7 GW ES (Detection Limits)		Client
2613-52	RL MD9-7 GW ES (Conc. Column 1)		
2613-53	RL MD9 7 GW ES (Conc. Column 2)		
2613-54	RL MD9-7 GW ES (RT Column 1)		
2613-55	RL MD9-7 GW ES (RT Column 2)		

PARAMETER	2613-51	2613-52	2613-53	2613-54	2613-55
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	-	--	--
Bromoform, ug/l	1	ND	---	---	--
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	--	---	
Chloroethane, ug/l	0.8	ND	---	--	--
2-Chloroethylvinyl Ether, ug/l	1	ND	- -	-	-
Chloroform, ug/l	0.2	ND	---	- -	---
Chloromethane, ug/l	1	ND	-	- -	--
Dibromochloromethane, ug/l	0.6	ND	---	---	--
1,2 Dichlorobenzene, ug/l	0.5	ND	-		--
1,3-Dichlorobenzene, ug/l	0.5	ND	-		-
1,4-Dichlorobenzene, ug/l	0.5	ND	-		-
Dichlorodifluoromethane, ug/l	1	ND	---	--	---
1,1-Dichloroethane, ug/l	0.3	ND	-		
1,2-Dichloroethane, ug/l	0.2	ND	---	---	--
1,1-Dichloroethylene, ug/l	0.4	ND	---		
trans-1,2-Dichloroethene, ug/l	0.3	ND	--	---	---

James W. Andrews, Ph.D.
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SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

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LOG NO: 86-2613

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2613-51	RL MD9-7 GW ES (Detection Limits)		Client
2613-52	RL MD9-7 GW ES (Conc. Column 1)		
2613-53	RL MD9-7 GW ES (Conc. Column 2)		
2613-54	RL MD9-7 GW ES (RT Column 1)		
2613-55	RL MD9-7 GW ES (RT Column 2)		

PARAMETER	2613-51	2613-52	2613-53	2613-54	2613-55
1,2-Dichloropropane, ug/l	0.5	ND	---		
cis-1,3 Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3 Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1 Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602):					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-51	RI MD9-7 GW ES (Detection Limits)	Client
2613-52	RL MD9-7 GW ES (Conc. Column 1)	
2613-53	RL MD9-7 GW ES (Conc. Column 2)	
2613-54	RL MD9-7 GW ES (RI Column 1)	
2613-55	RL MD9-7 GW ES (RI Column 2)	

PARAMETER	2613-51	2613-52	2613-53	2613-54	2613-55
Dilution factor	1	-			---
Percent Solids	NA			-	---
QC Report	QCV4	---		---	---
Date Collected	10 14 86	- -	---	---	---
Date Analyzed	10.16.86	-		---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-6	RL MD9-8 GW (Detection Limits)	Client
2668-7	RL MD9-8 GW (Conc. Column 1)	
2668-8	RL MD9 8 GW (Conc. Column 2)	
2668-9	RL MD9-8 GW (RT Column 1)	
2668-10	RL MD9-8 GW (RT Column 2)	

PARAMETER	2668-6	2668-7	2668-8	2668-9	2668-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-6	RL MD9-8 GW (Detection Limits)	Client
2668-7	RL MD9-8 GW (Conc. Column 1)	
2668-8	RL MD9-8 GW (Conc. Column 2)	
2668-9	RL MD9-8 GW (RT Column 1)	
2668-10	RL MD9-8 GW (RT Column 2)	

PARAMETER	2668-6	2668-7	2668-8	2668-9	2668-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-6	RL MD9-8 GW (Detection Limits)	Client
2668-7	RL MD9-8 GW (Conc. Column 1)	
2668-8	RL MD9-8 GW (Conc. Column 2)	
2668-9	RL MD9-8 GW (RT Column 1)	
2668-10	RL MD9-8 GW (RT Column 2)	

PARAMETER	2668-6	2668-7	2668-8	2668-9	2668-10
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	5.2	ND	18.70	---
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	ND	ND	---	---
Toluene, ug/l	1	4.1	ND	25.10	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-6	RL MD9-8 GW (Detection Limits)	Client
2668-7	RL MD9-8 GW (Conc. Column 1)	
2668-8	RL MD9-8 GW (Conc. Column 2)	
2668-9	RL MD9-8 GW (RT Column 1)	
2668-10	RL MD9-8 GW (RT Column 2)	

PARAMETER	2668-6	2668-7	2668-8	2668-9	2668-10
Dilution factor.	1	---		---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV7	---	---	---	---
Date Collected	10.17.86	---	---	---	---
Date Analyzed	10.19.86	---	10.25.86	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-31	DS MD17-1 GW ES (Detection Limits)	Client
2613-32	DS MD17-1 GW ES (Conc Column 1)	
2613-33	DS MD17-1 GW ES (Conc. Column 2)	
2613-34	DS MD17-1 GW ES (RT Column 1)	
2613-35	DS MD17-1 GW ES (RT Column 2)	

PARAMETER	2613-31	2613-32	2613-33	2613-34	2613-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	---	
Bromoform, ug/l	1	ND	ND	---	
Bromomethane, ug/l	1	ND	ND	---	
Carbon Tetrachloride, ug/l	0.3	ND	ND	---	
Chlorobenzene, ug/l	1	ND	ND	---	
Chloroethane, ug/l	0.8	ND	ND	---	
2-Chloroethylvinyl Ether, ug/l	1	ND	ND	---	
Chloroform, ug/l	0.2	0.4	0.5	12.90	18.41
Chloromethane, ug/l	1	ND	ND	---	
Dibromochloromethane, ug/l	0.5	ND	ND	---	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	
Dichlorodifluoromethane, ug/l	1	ND	ND	---	
1,1-Dichloroethane, ug/l	0.3	110	100	11.67	16.27
1,2-Dichloroethane, ug/l	0.2	2.3	1	13.66	20.88
1,1-Dichloroethylene, ug/l	0.4	7.0	75*	10.42	13.46
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	---	

* Chromatograph contained many hydrocarbon peaks which made identification difficult.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-31	DS MD17-1 GW ES (Detection Limits)	Client
2613-32	DS MD17-1 GW ES (Conc. Column 1)	
2613-33	DS MD17-1 GW ES (Conc. Column 2)	
2613-34	DS MD17-1 GW ES (RT Column 1)	
2613-35	DS MD17-1 GW ES (RT Column 2)	

PARAMETER	2613-31	2613-32	2613-33	2613-34	2613-35
1,2-Dichloropropane, ug l	0.5	ND	ND	- -	
cis-1,3-Dichloropropene, ug l	0.2	ND	ND	---	
trans-1,3-Dichloropropene, ug l	0.2	ND	ND	---	
Methylene Chloride, ug l	0.5	ND	ND	---	
1 1,2,2-Tetrachloroethane, ug l	0.5	ND	ND	---	
Tetrachloroethylene, ug l	0.2	ND	ND	---	
1,1,1-Trichloroethane, ug l	0.3	8.8	9.0	15.02	19.49
1,1,2-Trichloroethane, ug l	0.3	ND	ND	---	
Trichloroethylene, ug l	0.2	ND	ND	---	
Trichlorofluoromethane, ug l	0.5	ND	ND	---	
Vinyl Chloride, ug l	1	ND	ND	---	
Purgeable Aromatics (602)					
Benzene, ug l	0.5	0.9	1	---	20.75
Chlorobenzene, ug l	1	ND	ND	---	
1,2-Dichlorobenzene, ug l	0.5	ND	ND	--	
1,3-Dichlorobenzene, ug l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug l	0.5	ND	ND	---	
Ethylbenzene, ug l	1	ND	ND	---	
Toluene, ug l	1	ND	ND	---	

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-31	DS MD17-1 GW ES (Detection Limits)	Client
2613-32	DS MD17 1 GW ES (Conc. Column 1)	
2613-33	DS MD17-1 GW ES (Conc. Column 2)	
2613-34	DS MD17-1 GW ES (RT Column 1)	
2613-35	DS MD17-1 GW ES (RT Column 2)	

PARAMETER	2613-31	2613-32	2613-33	2613-34	2613-35
Dilution factor.	1	--		---	---
Percent Solids	NA	---	---	---	---
QC Report.	QCV3	---	---	---	---
Date Collected	10 13 86	---	---	---	---
Date Analyzed	10 15 86	--	10 16 86	--	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-36	DS MD17-2 GW ES (Detection Limits)	Client
2613-37	DS MD17-2 GW ES (Conc. Column 1)	
2613-38	DS MD17-2 GW ES (Conc. Column 2)	
2613-39	DS MD17-2 GW ES (RT Column 1)	
2613-40	DS MD17-2 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2613-36	2613-37	2613-38	2613-39	2613-40
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION : GROUND WATER SAMPLES	SAMPLED BY
2613-36	DS MD17-2 GW ES (Detection Limits)	Client
2613-37	DS MD17 2 GW ES (Conc. Column 1)	
2613-38	DS MD17 2 GW ES (Conc. Column 2)	
2613-39	DS MD17-2 GW ES (RT Column 1)	
2613-40	DS MD17-2 GW ES (RT Column 2)	

PARAMETER	2613-36	2613-37	2613-38	2613-39	2613-40
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-36	DS MD17-2 GW ES (Detection Limits)	Client
2613-37	DS MD17-2 GW ES (Conc. Column 1)	
2613-38	DS MD17-2 GW ES (Conc. Column 2)	
2613-39	DS MD17-2 GW ES (RT Column 1)	
2613-40	DS MD17-2 GW ES (RT Column 2)	

PARAMETER	2613-36	2613-37	2613-38	2613-39	2613-40
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV3	---	---	---	---
Date Collected	10.13.86	---	---	---	---
Date Analyzed	10.15.86	---	---	---	---

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LOG NO: 86-2613

Received: 14 OCT 86

Mr. Mark Guthrie
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57 Executive Park South, Suite 590
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-66	DS MD17-3 GW ES (Detection Limits)	Client
2613-67	DS MD17-3 GW ES (Conc. Column 1)	
2613-68	DS MD17-3 GW ES (Conc. Column 2)	
2613-69	DS MD17-3 GW ES (RT Column 1)	
2613-70	DS MD17-3 GW ES (RT Column 2)	

PARAMETER	2613-66	2613-67	2613-68	2613-69	2613-70
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-66	DS MD17-3 GW ES (Detection Limits)	Client
2613-67	DS MD17-3 GW ES (Conc Column 1)	
2613-68	DS MD17-3 GW ES (Conc. Column 2)	
2613-69	DS MD17-3 GW ES (RT Column 1)	
2613-70	DS MD17-3 GW ES (RT Column 2)	

PARAMETER	2613-66	2613-67	2613-68	2613-69	2613-70
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-66	DS MD17-3 GW ES (Detection Limits)	Client
2613-67	DS MD17-3 GW ES (Conc. Column 1)	
2613-68	DS MD17-3 GW ES (Conc. Column 2)	
2613-69	DS MD17-3 GW ES (RT Column 1)	
2613-70	DS MD17-3 GW ES (RT Column 2)	

PARAMETER	2613-66	2613-67	2613-68	2613-69	2613-70
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV4	---	---	---	---
Date Collected	10/14/86	---	---	---	---
Date Analyzed	10/16/86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	SAMPLED BY
2613-71	DS MD17-4 GW (Detection Limits)	Client
2613-72	DS MD17-4 GW (Conc. Column 1)	
2613-73	DS MD17-4 GW (Conc. Column 2)	
2613-74	DS MD17-4 GW (RT Column 1)	
2613-75	DS MD17-4 GW (RT Column 2)	

PARAMETER		2613-71	2613-72	2613-73	2613-74	2613-75
Purgeable Halocarbons (601)						
Bromodichloromethane	ug/l	0.4	ND		--	--
Bromoform	ug/l	1	ND	---	---	---
Bromomethane	ug/l	1	ND	--	--	---
Carbon Tetrachloride	ug/l	0.3	ND	---	---	---
Chlorobenzene	ug/l	1	ND	---	---	---
Chloroethane	ug/l	0.8	ND	---	--	---
2-Chloroethylvinyl Ether	ug/l	1	ND	---	---	---
Chloroform	ug/l	0.2	ND	---	---	---
Chloromethane	ug/l	1	ND	---	---	--
Dibromochloromethane	ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene	ug/l	0.5	ND		--	--
1,3-Dichlorobenzene	ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene	ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane	ug/l	1	ND	---	---	---
1,1-Dichloroethane	ug/l	0.3	ND	---	--	---
1,2-Dichloroethane	ug/l	0.2	ND	---	--	---
1,1-Dichloroethylene	ug/l	0.4	ND	---		
trans-1,2-Dichloroethene	ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2613-71	DS MD17-4 GW	(Detection Limits)	Client
2613-72	DS MD17-4 GW	(Conc. Column 1)	
2613-73	DS MD17-4 GW	(Conc. Column 2)	
2613-74	DS MD17-4 GW	(RT Column 1)	
2613-75	DS MD17-4 GW	(RT Column 2)	

PARAMETER	2613-71	2613-72	2613-73	2613-74	2613-75
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2613-71	DS MD17-4 GW	(Detection Limits)	Client
2613-72	DS MD17-4 GW	(Conc. Column 1)	
2613-73	DS MD17-4 GW	(Conc. Column 2)	
2613-74	DS MD17-4 GW	(RT Column 1)	
2613-75	DS MD17-4 GW	(RT Column 2)	

PARAMETER	2613-71	2613-72	2613-73	2613-74	2613-75
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV4	---	---	---	---
Date Collected	10 14 86	---	---	---	---
Date Analyzed	10 16 86	---	---	---	---

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LOG NO: 86-2645

Received: 17 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-1	FA MD23-1 (Detection Limits)	Client
2645-2	FA MD23-1 (Conc. Column 1)	
2645-3	FA MD23-1 (Conc. Column 2)	
2645-4	FA MD23-1 (RT Column 1)	
2645-5	FA MD23-1 (RT Column 2)	

PARAMETER	2645-1	2645-2	2645-3	2645-4	2645-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	40	ND	---	---	---
Bromoform, ug/l	100	ND	---	---	---
Bromomethane, ug/l	100	ND	---	---	---
Carbon Tetrachloride, ug/l	30	ND	---	---	---
Chlorobenzene, ug/l	100	ND	---	---	---
Chloroethane, ug/l	80	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	100	ND	---	---	---
Chloroform, ug/l	20	ND	---	---	---
Chloromethane, ug/l	100	ND	---	---	---
Dibromochloromethane, ug/l	50	ND	---	---	---
1,2-Dichlorobenzene, ug/l	50	ND	---	---	---
1,3-Dichlorobenzene, ug/l	50	ND	---	---	---
1,4-Dichlorobenzene, ug/l	50	ND	---	---	---
Dichlorodifluoromethane, ug/l	100	ND	---	---	---
1,1-Dichloroethane, ug/l	30	ND	---	---	---
1,2-Dichloroethane, ug/l	20	ND	---	---	---
1,1-Dichloroethylene, ug/l	40	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	30	ND	---	---	---

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Project: MacDill AFB, Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2645-1	FA MD23-1 (Detection Limits)	Client
2645-2	FA MD23-1 (Conc. Column 1)	
2645-3	FA MD23-1 (Conc. Column 2)	
2645-4	FA MD23-1 (RT Column 1)	
2645-5	FA MD23-1 (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2645-1	2645-2	2645-3	2645-4	2645-5
1,2-Dichloropropane, ug/l	50	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	20	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	20	ND	---	---	---
Methylene Chloride, ug/l	50	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	50	ND	---	---	---
Tetrachloroethylene, ug/l	20	ND	---	---	---
1,1,1-Trichloroethane, ug/l	30	ND	---	---	---
1,1,2-Trichloroethane, ug/l	30	ND	---	---	---
Trichloroethylene, ug/l	20	ND	---	---	---
Trichlorofluoromethane, ug/l	50	ND	---	---	---
Vinyl Chloride, ug/l	100	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	50	640*	10*	18.38	25.37
Chlorobenzene, ug/l	100	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	50	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	50	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	50	ND	ND	---	---
Ethylbenzene, ug/l	100	350	2	28.53	36.73
Toluene, ug/l	100	ND	4	---	31.49

* Chromatograph contained many hydrocarbon peaks which made identification difficult.

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2645-1	FA MD23-1 (Detection Limits)	Client
2645-2	FA MD23-1 (Conc. Column 1)	
2645-3	FA MD23-1 (Conc. Column 2)	
2645-4	FA MD23-1 (RT Column 1)	
2645-5	FA MD23-1 (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2645-1	2645-2	2645-3	2645-4	2645-5
Dilution factor.	100	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10.16.86	---	---	---	---
Date Analyzed	10.17.86	---	10.24.86	---	---

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PARTIAL
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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2645-6	FA MD23-2 (Detection Limits)	Client
2645-7	FA MD23-2 (Conc. Column 1)	
2645-8	FA MD23-2 (Conc. Column 2)	
2645-9	FA MD23-2 (RT Column 1)	
2645-10	FA MD23-2 (RT Column 2)	

PARAMETER	2645-6	2645-7	2645-8	2645-9	2645-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	40	ND	---	---	---
Bromoform, ug/l	100	ND	---	---	---
Bromomethane, ug/l	100	ND	---	---	---
Carbon Tetrachloride, ug/l	30	ND	---	---	---
Chlorobenzene, ug/l	100	ND	---	---	---
Chloroethane, ug/l	80	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	100	ND	---	---	---
Chloroform, ug/l	20	ND	---	---	---
Chloromethane, ug/l	100	ND	---	---	---
Dibromochloromethane, ug/l	50	ND	---	---	---
1,2-Dichlorobenzene, ug/l	50	ND	---	---	---
1,3-Dichlorobenzene, ug/l	50	ND	---	---	---
1,4-Dichlorobenzene, ug/l	50	ND	---	---	---
Dichlorodifluoromethane, ug/l	100	ND	---	---	---
1,1-Dichloroethane, ug/l	30	ND	---	---	---
1,2-Dichloroethane, ug/l	20	ND	---	---	---
1,1-Dichloroethylene, ug/l	40	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	30	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-6	FA MD23-2 (Detection Limits)	Client
2645-7	FA MD23-2 (Conc. Column 1)	
2645-8	FA MD23-2 (Conc. Column 2)	
2645-9	FA MD23-2 (RT Column 1)	
2645-10	FA MD23-2 (RT Column 2)	

PARAMETER	2645-6	2645-7	2645-8	2645-9	2645-10
1,2-Dichloropropane, ug/l	50	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	20	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	20	ND	---	---	---
Methylene Chloride, ug/l	50	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	50	ND	---	---	---
Tetrachloroethylene, ug/l	20	ND	---	---	---
1,1,1-Trichloroethane, ug/l	30	ND	---	---	---
1,1,2-Trichloroethane, ug/l	30	ND	---	---	---
Trichloroethylene, ug/l	20	ND	---	---	---
Trichlorofluoromethane, ug/l	50	ND	---	---	---
Vinyl Chloride, ug/l	100	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	50	360	280	18.43	15.78
Chlorobenzene, ug/l	100	ND	---	---	---
1,2-Dichlorobenzene, ug/l	50	ND	---	---	---
1,3-Dichlorobenzene, ug/l	50	ND	---	---	---
1,4-Dichlorobenzene, ug/l	50	ND	---	---	---
Ethylbenzene, ug/l	100	160	170	28.54	27.91
Toluene, ug/l	100	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-6	FA MD23-2 (Detection Limits)	Client
2645-7	FA MD23-2 (Conc. Column 1)	
2645-8	FA MD23-2 (Conc. Column 2)	
2645-9	FA MD23-2 (RT Column 1)	
2645-10	FA MD23-2 (RT Column 2)	

PARAMETER	2645-6	2645-7	2645-8	2645-9	2645-10
Dilution factor.	100	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10.16.86	---	---	---	---
Date Analyzed	10.17.86	---	10.24.86	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-11	FA MD23-3 (Detection Limits)	Client
2645-12	FA MD23-3 (Conc. Column 1)	
2645-13	FA MD23-3 (Conc. Column 2)	
2645-14	FA MD23-3 (RT Column 1)	
2645-15	FA MD23-3 (RT Column 2)	

PARAMETER	2645-11	2645-12	2645-13	2645-14	2645-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	40	ND	---	---	---
Bromoform, ug/l	100	ND	---	---	---
Bromomethane, ug/l	100	ND	---	---	---
Carbon Tetrachloride, ug/l	30	ND	---	---	---
Chlorobenzene, ug/l	100	ND	---	---	---
Chloroethane, ug/l	80	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	100	ND	---	---	---
Chloroform, ug/l	20	ND	---	---	---
Chloromethane, ug/l	100	ND	---	---	---
Dibromochloromethane, ug/l	50	ND	---	---	---
1,2-Dichlorobenzene, ug/l	50	ND	---	---	---
1,3-Dichlorobenzene, ug/l	50	ND	---	---	---
1,4-Dichlorobenzene, ug/l	50	ND	---	---	---
Dichlorodifluoromethane, ug/l	100	ND	---	---	---
1,1-Dichloroethane, ug/l	30	ND	---	---	---
1,2-Dichloroethane, ug/l	20	ND	---	---	---
1,1-Dichloroethylene, ug/l	40	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	30	72	---	---	---

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LOG NO: 86-2645

Received: 17 OCT 86

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Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-11	FA MD23-3 (Detection Limits)	Client
2645-12	FA MD23-3 (Conc. Column 1)	
2645-13	FA MD23-3 (Conc. Column 2)	
2645-14	FA MD23-3 (RT Column 1)	
2645-15	FA MD23-3 (RT Column 2)	

PARAMETER	2645-11	2645-12	2645-13	2645-14	2645-15
1,2-Dichloropropane, ug/l	50	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	20	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	20	ND	---	---	---
Methylene Chloride, ug/l	50	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	50	ND	---	---	---
Tetrachloroethylene, ug/l	20	ND	---	---	---
1,1,1-Trichloroethane, ug/l	30	ND	---	---	---
1,1,2-Trichloroethane, ug/l	30	ND	---	---	---
Trichloroethylene, ug/l	20	ND	---	---	---
Trichlorofluoromethane, ug/l	50	ND	---	---	---
Vinyl Chloride, ug/l	100	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	50	160	170	18.42	25.13
Chlorobenzene, ug/l	100	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	50	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	50	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	50	ND	ND	---	---
Ethylbenzene, ug/l	90	96	140	28.56	36.17
Toluene, ug/l	100	ND	ND	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-11	FA MD23-3 (Detection Limits)	Client
2645-12	FA MD23-3 (Conc. Column 1)	
2645-13	FA MD23-3 (Conc. Column 2)	
2645-14	FA MD23-3 (RT Column 1)	
2645-15	FA MD23-3 (RT Column 2)	

PARAMETER	2645-11	2645-12	2645-13	2645-14	2645-15
Dilution factor.	100	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10.16.86	---	---	---	
Date Analyzed	10.17.86	---	10.24.86	---	---

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2645-41	FA MD23-4 (Detection Limits)		Client
2645-42	FA MD23-4 (Conc Column 1)		
2645-43	FA MD23-4 (Conc Column 2)		
2645-44	FA MD23-4 (BT Column 1)		
2645-45	FA MD23-4 (BT Column 2)		

PARAMETER		2645-41	2645-42	2645-43	2645-44	2645-45
Purgeable Halocarbons (601)						
Bromodichloromethane	ug/l	0.4	ND	ND	---	---
Bromoform	ug/l	1	ND	ND	---	---
Bromomethane	ug/l	1	ND	ND	---	---
Carbon Tetrachloride	ug/l	0.5	ND	ND	---	---
Chlorobenzene	ug/l	1	ND	ND	---	---
Chloroethane	ug/l	0.8	ND	ND	---	---
2-Chloroethylvinyl Ether	ug/l	1	ND	ND	---	---
Chloroform	ug/l	0.2	ND	ND	---	---
Chloromethane	ug/l	1	ND	ND	---	---
Dibromochloromethane	ug/l	0.5	ND	ND	---	---
1,2-Dichlorobenzene	ug/l	1	ND	ND	---	---
1,3-Dichlorobenzene	ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene	ug/l	0.5	ND	ND	---	---
Dichlorodifluoromethane	ug/l	1	ND	ND	---	---
1,1-Dichloroethane	ug/l	0.3	ND	ND	---	---
1,2-Dichloroethane	ug/l	0.2	ND	ND	---	---
1,1-Dichloroethylene	ug/l	0.4	ND	ND	---	---
trans-1,2-Dichloroethene	ug/l	0.3	ND	ND	---	---

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2645-41	FA MD23-4 (Detection Limits)		Client
2645-42	FA MD23-4 (Conc. Column 1)		
2645-43	FA MD23-4 (Conc. Column 2)		
2645-44	FA MD23-4 (RT Column 1)		
2645-45	FA MD23-4 (RT Column 2)		

PARAMETER	2645-41	2645-42	2645-43	2645-44	2645-45
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	---
cis 1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
Methylene Chloride, ug/l	0.5	ND	ND	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	---
Tetrachloroethylene, ug/l	0.2	ND	ND	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	---	---
Trichloroethylene, ug/l	0.2	ND	ND	---	---
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	---
Vinyl Chloride, ug/l	1	ND	ND	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	2.7	0.5	18.45	20.71
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	ND	ND	---	---
Toluene, ug/l	1	19	7	24.90	26.64

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2645-41	FA MD23-4 (Detection Limits		Client
2645-42	FA MD23-4 (Conc Column 1		
2645-43	FA MD23-4 (Conc Column 2		
2645-44	FA MD23-4 (RT Column 1		
2645-45	FA MD23-4 (RT Column 2		

PARAMETER	2645-41	2645-42	2645-43	2645-44	2645-45
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV5	---	---	---	---
Date Collected	10.15.86	---	---	---	---
Date Analyzed	10.17.86	---	10.24.86	---	---

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2645-46	FA MD23-5 (Detection Limits)	Client
2645-47	FA MD23-5 (Conc. Column 1)	
2645-48	FA MD23-5 (Conc. Column 2)	
2645-49	FA MD23-5 (RI Column 1)	
2645-50	FA MD23-5 (RI Column 2)	

PARAMETER		2645-46	2645-47	2645-48	2645-49	2645-50
Purgeable Halocarbons (601)						
Bromodichloromethane	ug/l	0.4	ND	NR	---	---
Bromoform	ug/l	1	ND		---	---
Bromomethane	ug/l	1	ND		---	---
Carbon Tetrachloride	ug/l	0.3	ND		---	---
Chlorobenzene	ug/l	1	ND		---	---
Chloroethane	ug/l	0.8	ND		---	---
2-Chloroethylvinyl Ether	ug/l	1	ND		---	---
Chloroform	ug/l	0.2	ND		---	---
Chloromethane	ug/l	1	ND		---	---
Dibromochloromethane	ug/l	0.5	ND		---	---
1,2-Dichlorobenzene	ug/l	0.5	ND		---	---
1,3-Dichlorobenzene	ug/l	0.5	ND		---	---
1,4-Dichlorobenzene	ug/l	0.5	ND		---	---
Dichlorodifluoromethane	ug/l	1	ND		---	---
1,1-Dichloroethane	ug/l	0.3	ND		---	---
1,2-Dichloroethane	ug/l	0.2	ND		---	---
1,1-Dichloroethylene	ug/l	0.4	ND		---	---
trans-1,2-Dichloroethene	ug/l	0.3	ND		---	---

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2645-46	FA MD23-5 (Detection Limits)	Client
2645-47	FA MD23-5 (Conc. Column 1)	
2645-48	FA MD23-5 (Conc. Column 2)	
2645-49	FA MD23-5 (RT Column 1)	
2645-50	FA MD23-5 (RT Column 2)	

PARAMETER	2645-46	2645-47	2645-48	2645-49	2645-50
1,2-Dichloropropane, ug/l	0.5	ND		---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND		---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND		---	---
Methylene Chloride, ug/l	0.5	ND		---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND		---	---
Tetrachloroethylene, ug/l	0.2	ND		---	---
1,1,1-Trichloroethane, ug/l	0.3	ND		---	---
1,1,2-Trichloroethane, ug/l	0.3	ND		---	---
Trichloroethylene, ug/l	0.2	ND		---	---
Trichlorofluoromethane, ug/l	0.5	ND			---
Vinyl Chloride, ug/l	1	ND		---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	32*	1*	18.49	20.69
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	19	ND	28.50	---
Toluene, ug/l	1	29	10	25.01	26.64

* Chromatograph contained many hydrocarbon peaks which made identification difficult.

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2645-46	FA MD23-5 (Detection Limits)		Client
2645-47	FA MD23-5 (Conc. Column 1)		
2645-48	FA MD23-5 (Conc. Column 2)		
2645-49	FA MD23-5 (RT Column 1)		
2645-50	FA MD23-5 (RT Column 2)		

PARAMETER	2645-46	2645-47	2645-48	2645-49	2645-50
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10 15 86	---	---	---	---
Date Analyzed	10 17 86	---	10.23.86	---	---

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2645-56	FA MD23-6 (Detection Limits)		Client
2645-57	FA MD23 6 (Conc. Column 1)		
2645-58	FA MD23-6 (Conc. Column 2)		
2645-59	FA MD23-6 (RT Column 1)		
2645-60	FA MD23 6 (RT Column 2)		

PARAMETER	2645-56	2645-57	2645-58	2645-59	2645-60
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	---	---	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	---	---	---
Chloroform, ug l	0.2	ND	---	---	---
Chloromethane, ug l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	5	ND	---	---	---
1,4-Dichlorobenzene, ug l	5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	---	---	---

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2645-56	FA MD23-6 (Detection Limits)		Client
2645-57	FA MD23-6 (Conc. Column 1)		
2645-58	FA MD23-6 (Conc. Column 2)		
2645-59	FA MD23-6 (RT Column 1)		
2645-60	FA MD23-6 (RT Column 2)		

PARAMETER	2645-56	2645-57	2645-58	2645-59	2645-60
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	1.7	0.1	18.53	20.63
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	3.6	2	28.60	31.89
Toluene, ug/l	1	4.3	2	25.00	26.57

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2645-56	FA MD23-6 (Detection Limits)		Client
2645-57	FA MD23-6 (Conc. Column 1)		
2645-58	FA MD23-6 (Conc. Column 2)		
2645-59	FA MD23-6 (RT Column 1)		
2645-60	FA MD23-6 (RT Column 2)		

PARAMETER	2645-56	2645-57	2645-58	2645-59	2645-60
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV5	---	---	---	---
Date Collected	10.15.86	---	---	---	---
Date Analyzed	10.17.86	---	10.23.86	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-16	FA MD23-7 (Detection Limits)	Client
2645-17	FA MD23-7 (Conc. Column 1)	
2645-18	FA MD23-7 (Conc. Column 2)	
2645-19	FA MD23 7 (RT Column 1)	
2645-20	FA MD23-7 (RT Column 2)	

PARAMETER	2645-16	2645-17	2645-18	2645-19	2645-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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P. O. Box 13548 • Savannah, GA 31416-0548
Whitfield Avenue at Shipyard Road (31406)
(912) 354-7858

LOG NO: 86-2645

Received: 17 OCT 86

Mr. Mark Guthrie
Engineering-Science
57 Executive Park South, Suite 590
Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-16	FA MD23-7 (Detection Limits)	Client
2645-17	FA MD23-7 (Conc. Column 1)	
2645-18	FA MD23-7 (Conc. Column 2)	
2645-19	FA MD23-7 (RT Column 1)	
2645-20	FA MD23-7 (RT Column 2)	

PARAMETER	2645-16	2645-17	2645-18	2645-19	2645-20
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-16	FA MD23-7 (Detection Limits)	Client
2645-17	FA MD23-7 (Conc. Column 1)	
2645-18	FA MD23-7 (Conc. Column 2)	
2645-19	FA MD23-7 (RT Column 1)	
2645-20	FA MD23-7 (RT Column 2)	

PARAMETER	2645-16	2645-17	2645-18	2645-19	2645-20
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10.16.86	---	---	---	---
Date Analyzed	10.17.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-21	FA MD23-8 (Detection Limits)	Client
2645-22	FA MD23-8 (Conc. Column 1)	
2645-23	FA MD23-8 (Conc. Column 2)	
2645-24	FA MD23-8 (RT Column 1)	
2645-25	FA MD23-8 (RT Column 2)	

PARAMETER	2645-21	2645-22	2645-23	2645-24	2645-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-21	FA MD23-8 (Detection Limits)	Client
2645-22	FA MD23-8 (Conc. Column 1)	
2645-23	FA MD23-8 (Conc. Column 2)	
2645-24	FA MD23-8 (RT Column 1)	
2645-25	FA MD23-8 (RT Column 2)	

PARAMETER	2645-21	2645-22	2645-23	2645-24	2645-25
1.2-Dichloropropane. ug/l	0.5	ND	---	---	---
cis-1.3-Dichloropropene. ug/l	0.2	ND	---	---	---
trans-1.3-Dichloropropene. ug l	0.2	ND	---	---	---
Methylene Chloride. ug/l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane. ug l	0.5	ND	---	---	---
Tetrachloroethylene. ug/l	0.2	ND	---	---	---
1.1.1-Trichloroethane. ug/l	0.3	ND	---	---	---
1.1.2-Trichloroethane. ug/l	0.3	ND	---	---	---
Trichloroethylene. ug/l	0.2	ND	---	---	---
Trichlorofluoromethane. ug/l	0.5	ND	---	---	---
Vinyl Chloride. ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene. ug/l	0.5	ND	---	---	---
Chlorobenzene. ug/l	1	ND	---	---	---
1.2-Dichlorobenzene. ug/l	0.5	ND	---	---	---
1.3-Dichlorobenzene. ug l	0.5	ND	---	---	---
1.4-Dichlorobenzene. ug l	0.5	ND	---	---	---
Ethylbenzene. ug/l	1	ND	---	---	---
Toluene. ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2645-21	FA MD23-8 (Detection Limits)	Client
2645-22	FA MD23-8 (Conc. Column 1)	
2645-23	FA MD23-8 (Conc. Column 2)	
2645-24	FA MD23-8 (RT Column 1)	
2645-25	FA MD23-8 (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2645-21	2645-22	2645-23	2645-24	2645-25
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV5	---	---	---	---
Date Collected	10.16.86	---	---	---	---
Date Analyzed	10.17.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-26	FA MD23-9 (Detection Limits)	Client
2645-27	FA MD23-9 (Conc. Column 1)	
2645-28	FA MD23-9 (Conc. Column 2)	
2645-29	FA MD23-9 (RT Column 1)	
2645-30	FA MD23-9 (RT Column 2)	

PARAMETER	2645-26	2645-27	2645-28	2645-29	2645-30
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-26	FA MD23-9 (Detection Limits)	Client
2645-27	FA MD23-9 (Conc. Column 1)	
2645-28	FA MD23-9 (Conc. Column 2)	
2645-29	FA MD23-9 (RT Column 1)	
2645-30	FA MD23-9 (RT Column 2)	

PARAMETER	2645-26	2645-27	2645-28	2645-29	2645-30
1.2-Dichloropropane. ug l	0.5	ND	---	---	---
cis-1.3-Dichloropropene. ug l	0.2	ND	---	---	---
trans-1 3-Dichloropropene. ug l	0.2	ND	---	---	---
Methylene Chloride. ug l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane. ug l	0.5	ND	---	---	---
Tetrachloroethylene. ug l	0.2	ND	---	---	---
1.1.1-Trichloroethane ug l	0.3	ND	---	---	---
1.1.2-Trichloroethane. ug l	0.3	ND	---	---	---
Trichloroethylene. ug l	0.2	ND	---	---	---
Trichlorofluoromethane ug l	0.5	ND	---	---	---
Vinyl Chloride. ug l	1	ND	---	---	---
Purgeable Aromatics					
Benzene. ug l	0.5	ND	---	---	---
Chlorobenzene. ug l	1	ND	---	---	---
1.2-Dichlorobenzene. ug l	0.5	ND	---	---	---
1.3-Dichlorobenzene. ug l	0.5	ND	---	---	---
1.4-Dichlorobenzene. ug/l	0.5	ND	---	---	---
Ethylbenzene. ug/l	1	ND	---	---	---
Toluene. ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-26	FA MD23-9 (Detection Limits)	Client
2645-27	FA MD23-9 (Conc. Column 1)	
2645-28	FA MD23-9 (Conc. Column 2)	
2645-29	FA MD23-9 (RT Column 1)	
2645-30	FA MD23-9 (RT Column 2)	

PARAMETER	2645-26	2645-27	2645-28	2645-29	2645-30
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV6	---	---	---	---
Date Collected	10.16.86	---	---	---	---
Date Analyzed	10.18.86	---	10.24.86	---	---

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LOG NO: 86-2668

Received: 18 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-11	FA MD23-10 GW ES (Detection Limits)	Client
2668-12	FA MD23-10 GW ES (Conc. Column 1)	
2668-13	FA MD23-10 GW ES (Conc. Column 2)	
2668-14	FA MD23-10 GW ES (RT Column 1)	
2668-15	FA MD23-10 GW ES (RT Column 2)	

PARAMETER	2668-11	2668-12	2668-13	2668-14	2668-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-11	FA MD23-10 GW ES (Detection Limits)	Client
2668-12	FA MD23-10 GW ES (Conc. Column 1)	
2668-13	FA MD23-10 GW ES (Conc. Column 2)	
2668-14	FA MD23-10 GW ES (RT Column 1)	
2668-15	FA MD23-10 GW ES (RT Column 2)	

PARAMETER	2668-11	2668-12	2668-13	2668-14	2668-15
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-11	FA MD23-10 GW ES (Detection Limits)	Client
2668-12	FA MD23-10 GW ES (Conc. Column 1)	
2668-13	FA MD23-10 GW ES (Conc. Column 2)	
2668-14	FA MD23-10 GW ES (RT Column 1)	
2668-15	FA MD23-10 GW ES (RT Column 2)	

PARAMETER	2668-11	2668-12	2668-13	2668-14	2668-15
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV7	---	---	---	---
Date Collected	10.17.86	---	---	---	---
Date Analyzed	10.19.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2645-61	EA MD23-11 (Detection Limits)		Client
2645-62	EA MD23-11 (Conc. Column 1)		
2645-63	EA MD23-11 (Conc. Column 2)		
2645-64	EA MD23-11 (RT Column 1)		
2645-65	EA MD23-11 (RT Column 2)		

PARAMETER	2645-61	2645-62	2645-63	2645-64	2645-65
Purgeable Halocarbons (601)			ND		
Bromodichloromethane, ug l	0.4	ND	ND	---	---
Bromoform, ug l	1	ND	ND	---	---
Bromomethane, ug l	1	ND	ND	---	---
Carbon Tetrachloride, ug l	0.3	ND	ND	---	---
Chlorobenzene, ug l	1	ND	ND	---	---
Chloroethane, ug l	0.8	ND	ND	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	ND		---
Chloroform, ug l	0.2	ND	ND	---	---
Chloromethane, ug l	1	ND	ND	---	---
Dibromochloromethane, ug l	0.5	ND	ND	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	ND	---	---
Dichlorodifluoromethane, ug l	1	ND	ND	---	---
1,1-Dichloroethane, ug l	0.3	ND	ND	---	---
1,2-Dichloroethane, ug l	0.2	ND	ND	---	---
1,1-Dichloroethylene, ug l	0.4	ND	ND	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	ND	---	---

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LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2645-61	FA MD23-11 (Detection Limits)		Client
2645-62	FA MD23-11 (Conc. Column 1)		
2645-63	FA MD23-11 (Conc. Column 2)		
2645-64	FA MD23-11 (RT Column 1)		
2645-65	FA MD23-11 (RT Column 2)		

PARAMETER	2645-61	2645-62	2645-63	2645-64	2645-65
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
Methylene Chloride, ug/l	0.5	ND	ND	--	--
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	---
Tetrachloroethylene, ug/l	0.2	ND	ND	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	--	---
Trichloroethylene, ug/l	0.2	ND	ND	---	---
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	---
Vinyl Chloride, ug/l	1	ND	ND	---	---
Purgeable Aromatics (602)			ND		
Benzene, ug/l	0.5	ND	ND		---
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	--	--
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	ND	ND	---	---
Toluene, ug/l	1	1.4	1.0	24.97	---

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LOG NO: 86-2645

Received: 17 OCT 86

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Project: MacDill AFB, Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2645-61	FA MD23-11 (Detection Limits)	Client
2645-62	FA MD23-11 (Conc. Column 1)	
2645-63	FA MD23-11 (Conc. Column 2)	
2645-64	FA MD23-11 (RT Column 1)	
2645-65	FA MD23-11 (RT Column 2)	

PARAMETER	2645-61	2645-62	2645-63	2645-64	2645-65
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV5	---	---	---	---
Date Collected	10 15 86	---	---	---	---
Date Analyzed	10 17 86	---	10.23.86		---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-66	FA MD23-12 (Detection Limits)	Client
2645-67	FA MD23-12 (Conc. Column 1)	
2645-68	FA MD23-12 (Conc. Column 2)	
2645-69	FA MD23-12 (RT Column 1)	
2645-70	FA MD23-12 (RT Column 2)	

PARAMETER	2645-66	2645-67	2645-68	2645-69	2645-70
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	---	---	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	---	---	---
Chloroform, ug l	0.2	ND	---	---	---
Chloromethane, ug l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-66	FA MD23-12 (Detection Limits)	Client
2645-67	FA MD23 12 (Conc. Column 1)	
2645-68	FA MD23-12 (Conc. Column 2)	
2645-69	FA MD23 12 (RT Column 1)	
2645-70	FA MD23 12 (RT Column 2)	

PARAMETER	2645-66	2645-67	2645-68	2645-69	2645-70
1,2-Dichloropropane, ug l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug l	0.2	ND	---	---	---
Methylene Chloride, ug l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug l	0.5	ND	---	---	---
Tetrachloroethylene ug l	0.2	ND	---	---	---
1,1,1-Trichloroethane ug l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug l	0.3	ND	---	---	---
Trichloroethylene, ug l	0.2	ND	---	---	---
Trichlorofluoromethane ug l	0.5	ND	---	---	---
Vinyl Chloride ug l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug l	0.5	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---

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2645-66	FA MD23-12 (Detection Limits)	Client
2645-67	FA MD23-12 (Conc. Column 1)	
2645-68	FA MD23-12 (Conc. Column 2)	
2645-69	FA MD23-12 (RT Column 1)	
2645-70	FA MD23-12 (RT Column 2)	

PARAMETER	2645-66	2645-67	2645-68	2645-69	2645-70
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10.15.86	---	---	---	---
Date Analyzed	10.17.86	---	---	---	---

Methods: EPA 600/4-79-020. SW-846 and 40 CFR Part 136

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-36	FA MD23-13 (Detection Limits)	Client
2645-37	FA MD23-13 (Conc. Column 1)	
2645-38	FA MD23 13 (Conc. Column 2)	
2645-39	FA MD23-13 (RT Column 1)	
2645-40	FA MD23-13 (RT Column 2)	

PARAMETER	2645-36	2645-37	2645-38	2645-39	2645-40
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	---	---	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	---	---	---
Chloroform, ug l	0.2	ND	---	---	---
Chloromethane, ug l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-36	FA MD23-13 (Detection Limits)	Client
2645-37	FA MD23-13 (Conc. Column 1)	
2645-38	FA MD23-13 (Conc. Column 2)	
2645-39	FA MD23-13 (RT Column 1)	
2645-40	FA MD23-13 (RT Column 2)	

PARAMETER		2645-36	2645-37	2645-38	2645-39	2645-40
1,2-Dichloropropane, ug/l		0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l		0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l		0.2	ND	---	---	---
Methylene Chloride, ug/l		0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l		0.5	ND	---	---	---
Tetrachloroethylene, ug/l		0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l		0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l		0.3	ND	---	---	---
Trichloroethylene, ug/l		0.2	ND	---	---	---
Trichlorofluoromethane, ug/l		0.5	ND	---	---	---
Vinyl Chloride, ug/l		1	ND	---	---	---
Purgeable Aromatics (602)						
Benzene, ug/l		0.5	ND	---	---	---
Chlorobenzene, ug/l		1	ND	---	---	---
1,2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l		0.5	ND	---	---	---
Ethylbenzene, ug/l		1	ND	---	---	---
Toluene, ug/l		1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-36	FA MD23-13 (Detection Limits)	Client
2645-37	FA MD23-13 (Conc Column 1)	
2645-38	FA MD23-13 (Conc Column 2)	
2645-39	FA MD23-13 (RT Column 1)	
2645-40	FA MD23-13 (RT Column 2)	

PARAMETER	2645-36	2645-37	2645-38	2645-39	2645-40
Dilution factor.	1	-	-	-	---
Percent Solids	NA	---	---	---	---
QC Report.	QCV5	---	---	---	---
Date Collected	10.15 86	---	---	---	---
Date Analyzed	10.17 86	-	---		---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-51	FA MD23-14 (Detection Limits)	Client
2645-52	FA MD23 14 (Conc. Column 1)	
2645-53	FA MD23-14 (Conc. Column 2)	
2645-54	FA MD23 14 (RT Column 1)	
2645-55	FA MD23-14 (RT Column 2)	

PARAMETER	2645-51	2645-52	2645 53	2645-54	2645-55
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	-	-	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND		---	---
Carbon Tetrachloride, ug l	0.4	ND	--	--	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	--	---	---
Chloroform, ug l	0.2	ND	-	-	---
Chloromethane, ug l	1	ND	-		---
Dibromochloromethane, ug l	0.3		-		
1,2-Dichlorobenzene, ug l	0.5	ND	---	-	- -
1,3-Dichlorobenzene, ug l	0.5	ND	- -	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-51	FA MD23-14 (Detection Limits)	Client
2645-52	FA MD23-14 (Conc. Column 1)	
2645-53	FA MD23-14 (Conc. Column 2)	
2645-54	FA MD23 14 (RT Column 1)	
2645-55	FA MD23-14 (RT Column 2)	

PARAMETER	2645-51	2645-52	2645-53	2645-54	2645-55
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1 Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION : GROUND WATER SAMPLES	SAMPLED BY
2645-51	FA MD23-14 (Detection Limits)	Client
2645-52	FA MD23 14 (Conc. Column 1)	
2645-53	FA MD23-14 (Conc. Column 2)	
2645-54	FA MD23-14 (RT Column 1)	
2645-55	FA MD23-14 (RT Column 2)	

PARAMETER	2645-51	2645-52	2645-53	2645-54	2645-55
Dilution factor	1	--	--	--	---
Percent Solids	NA	---	---	---	---
QC Report	QCV5	---	---	---	---
Date Collected	10.15.86	--	--	---	---
Date Analyzed	10.17.86	--	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2645-31	FA MD23-16 (Detection Limits)	Client
2645-32	FA MD23-16 (Conc. Column 1)	
2645-33	FA MD23-16 (Conc. Column 2)	
2645-34	FA MD23-16 (RT Column 1)	
2645-35	FA MD23-16 (RT Column 2)	

PARAMETER	2645-31	2645-32	2645-33	2645-34	2645-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2645-31	FA MD23-16 (Detection Limits)	Client
2645-32	FA MD23-16 (Conc. Column 1)	
2645-33	FA MD23-16 (Conc. Column 2)	
2645-34	FA MD23-16 (RT Column 1)	
2645-35	FA MD23-16 (RT Column 2)	

PARAMETER	2645-31	2645-32	2645-33	2645-34	2645-35
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2645-31	FA MD23-16 (Detection Limits)		Client
2645-32	FA MD23-16 (Conc. Column 1)		
2645-33	FA MD23-16 (Conc. Column 2)		
2645-34	FA MD23-16 (RT Column 1)		
2645-35	FA MD23-16 (RT Column 2)		

PARAMETER	2645-31	2645-32	2645-33	2645-34	2645-35
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV6	---	---	---	---
Date Collected	10.16.86	---	---	---	---
Date Analyzed	10.18.86	---	---	---	---

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LOG NO: 86-2668

Received: 18 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-16	FA MD23-D1 GW ES (Detection Limits)	Client
2668-17	FA MD23-D1 GW ES (Conc. Column 1)	
2668-18	FA MD23-D1 GW ES (Conc. Column 2)	
2668-19	FA MD23-D1 GW ES (RT Column 1)	
2668-20	FA MD23-D1 GW ES (RT Column 2)	

PARAMETER	2668-16	2668-17	2668-18	2668-19	2668-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	---	---
Bromoform, ug/l	1	ND	ND	---	---
Bromomethane, ug/l	1	ND	ND	---	---
Carbon Tetrachloride, ug/l	0.3	ND	ND	---	---
Chlorobenzene, ug/l	1	ND	ND	---	---
Chloroethane, ug/l	0.8	ND	ND	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	ND	---	---
Chloroform, ug/l	0.2	1.2	ND	12.80	---
Chloromethane, ug/l	1	ND	ND	---	---
Dibromochloromethane, ug/l	[illegible]	[illegible]	ND	---	---
1,2-Dichlorobenzene, ug/l	[illegible]	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Dichlorodifluoromethane, ug/l	1	ND	ND	---	---
1,1-Dichloroethane, ug/l	0.3	ND	ND	---	---
1,2-Dichloroethane, ug/l	0.2	ND	ND	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	ND	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-16	FA MD23-D1 GW ES (Detection Limits)	Client
2668-17	FA MD23-D1 GW ES (Conc. Column 1)	
2668-18	FA MD23-D1 GW ES (Conc. Column 2)	
2668-19	FA MD23-D1 GW ES (RT Column 1)	
2668-20	FA MD23-D1 GW ES (RT Column 2)	

PARAMETER	2668-16	2668-17	2668-18	2668-19	2668-20
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
Methylene Chloride, ug/l	0.5	ND	ND	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	---
Tetrachloroethylene, ug/l	0.2	ND	ND	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	---	---
Trichloroethylene, ug/l	0.2	ND	ND	---	---
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	---
Vinyl Chloride, ug/l	1	ND	ND	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	ND	---	---
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	ND	ND	---	---
Toluene, ug/l	1	ND	ND	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-16	FA MD23-D1 GW ES (Detection Limits)	Client
2668-17	FA MD23-D1 GW ES (Conc. Column 1)	
2668-18	FA MD23-D1 GW ES (Conc. Column 2)	
2668-19	FA MD23-D1 GW ES (RT Column 1)	
2668-20	FA MD23-D1 GW ES (RT Column 2)	

PARAMETER	2668-16	2668-17	2668-18	2668-19	2668-20
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV7	---	---	---	---
Date Collected	10.17 86	---	---	---	---
Date Analyzed	10.19.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-66	FA MD23 D2 ES GW (Detection Limits)	Client
2687-67	FA MD23 D2 ES GW (Conc. Column 1)	
2687-68	FA MD23 D2 ES GW (Conc. Column 2)	
2687-69	FA MD23 D2 ES GW (RT Column 1)	
2687-70	FA MD23 D2 ES GW (RT Column 2)	

PARAMETER	2687-66	2687-67	2687-68	2687-69	2687-70
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	0.4	0.3	12.85	12.98
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-66	FA MD23 D2 ES GW (Detection Limits)	Client
2687-67	FA MD23 D2 ES GW (Conc. Column 1)	
2687-68	FA MD23 D2 ES GW (Conc. Column 2)	
2687-69	FA MD23 D2 ES GW (RT Column 1)	
2687-70	FA MD23 D2 ES GW (RT Column 2)	

PARAMETER	2687-66	2687-67	2687-68	2687-69	2687-70
1,2-Dichloropropane. ug l	0.5	ND	---	---	---
cis-1,3-Dichloropropene. ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene. ug l	0.2	ND	---	---	---
Methylene Chloride, ug l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane. ug l	0.5	ND	---	---	---
Tetrachloroethylene. ug l	0.2	ND	---	---	---
1,1,1-Trichloroethane. ug l	0.3	ND	---	---	---
1,1,2-Trichloroethane. ug l	0.3	ND	---	---	---
Trichloroethylene. ug l	0.2	ND	---	---	---
Trichlorofluoromethane. ug l	0.5	ND	---	---	---
Vinyl Chloride. ug l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene. ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene. ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene. ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene. ug l	0.5	ND	---	---	---
Ethylbenzene. ug/l	1	ND	---	---	---
Toluene. ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-66	FA MD23 D2 ES GW (Detection Limits)	Client
2687-67	FA MD23 D2 ES GW (Conc. Column 1)	
2687-68	FA MD23 D2 ES GW (Conc. Column 2)	
2687-69	FA MD23 D2 ES GW (RT Column 1)	
2687-70	FA MD23 D2 ES GW (RT Column 2)	

PARAMETER	2687-66	2687-67	2687-68	2687-69	2687-70
Dilution factor,	1	---	---	---	---
Percent Solids,	NA	---	---	---	---
QC Report,	QCV9	---	---	---	---
Date Collected	10.15.86	---	---	---	---
Date Analyzed	10.23.86	---	10.29.86	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-21	FA MD23-D3 (Detection Limits)	Client
2668-22	FA MD23-D3 (Conc. Column 1)	
2668-23	FA MD23-D3 (Conc. Column 2)	
2668-24	FA MD23-D3 (RT Column 1)	
2668-25	FA MD23-D3 (RT Column 2)	

PARAMETER	2668-21	2668-22	2668-23	2668-24	2668-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	---	---
Bromoform, ug/l	1	ND	ND	---	---
Bromomethane, ug/l	1	ND	ND	---	---
Carbon Tetrachloride, ug/l	0.3	ND	ND	---	---
Chlorobenzene, ug/l	1	ND	ND	---	---
Chloroethane, ug/l	0.8	ND	ND	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	ND	---	---
Chloroform, ug/l	0.2	4.9	ND	12.84	---
Chloromethane, ug/l	1	ND	ND	---	---
Dibromochloromethane, ug/l	0.5	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Dichlorodifluoromethane, ug/l	1	ND	ND	---	---
1,1-Dichloroethane, ug/l	0.3	ND	ND	---	---
1,2-Dichloroethane, ug/l	0.2	ND	ND	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	ND	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-21	FA MD23-D3 (Detection Limits)	Client
2668-22	FA MD23-D3 (Conc. Column 1)	
2668-23	FA MD23-D3 (Conc. Column 2)	
2668-24	FA MD23-D3 (RT Column 1)	
2668-25	FA MD23-D3 (RT Column 2)	

PARAMETER	2668-21	2668-22	2668-23	2668-24	2668-25
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	ND	---	---
Methylene Chloride, ug/l	0.5	ND	ND	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	---
Tetrachloroethylene, ug/l	0.2	ND	ND	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	---	---
Trichloroethylene, ug/l	0.2	ND	ND	---	---
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	---
Vinyl Chloride, ug/l	1	ND	ND	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	ND	---	---
Chlorobenzene, ug/l	1	ND	ND	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	---
Ethylbenzene, ug/l	1	ND	ND	---	---
Toluene, ug/l	1	ND	ND	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-21	FA MD23-D3 (Detection Limits)	Client
2668-22	FA MD23-D3 (Conc. Column 1)	
2668-23	FA MD23-D3 (Conc. Column 2)	
2668-24	FA MD23-D3 (RT Column 1)	
2668-25	FA MD23-D3 (RT Column 2)	

PARAMETER	2668-21	2668-22	2668-23	2668-24	2668-25
Dilution factor,	1	---	---	---	---
Percent Solids,	NA	---	---	---	---
QC Report,	QCV7	---	---	---	---
Date Collected	10.17.86	---	---	---	---
Date Analyzed	10.19.86	---	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-1	AO AP 6-1 GW ES (Detection Limits)	Client
2785-2	AO AP 6-1 GW ES (Conc. Column 1)	
2785-3	AO AP 6-1 GW ES (Conc. Column 2)	
2785-4	AO AP 6-1 GW ES (RT Column 1)	
2785-5	AO AP 6-1 GW ES (RT Column 2)	

PARAMETER	2785-1	2785-2	2785-3	2785-4	2785-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2785-1	AO AP 6-1 GW ES (Detection Limits)	Client
2785-2	AO AP 6-1 GW ES (Conc. Column 1)	
2785-3	AO AP 6-1 GW ES (Conc. Column 2)	
2785-4	AO AP 6-1 GW ES (RT Column 1)	
2785-5	AO AP 6-1 GW ES (RT Column 2)	

PARAMETER	2785-1	2785-2	2785-3	2785-4	2785-5
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-1	AO AP 6-1 GW ES (Detection Limits)	Client
2785-2	AO AP 6-1 GW ES (Conc. Column 1)	
2785-3	AO AP 6-1 GW ES (Conc. Column 2)	
2785-4	AO AP 6-1 GW ES (RT Column 1)	
2785-5	AO AP 6-1 GW ES (RT Column 2)	

PARAMETER	2785-1	2785-2	2785-3	2785-4	2785-5
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV12	---	---	---	---
Date Collected	10.29.86	---	---	---	---
Date Analyzed	10.31.86	---	---	---	---

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Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-1	AO AP 6-2 GW ES (Detection Limits)	Client
2764-2	AO AP 6-2 GW ES (Conc. Column 1)	
2764-3	AO AP 6-2 GW ES (Conc. Column 2)	
2764-4	AO AP 6-2 GW ES (RT Column 1)	
2764-5	AO AP 6-2 GW ES (RT Column 2)	

PARAMETER	2764-1	2764-2	2764-3	2764-4	2764-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

James W. Andrews, Ph.D.
President

Janette M. Davis
Vice-President

SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.
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LOG NO: 86-2764

Received: 29 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-1	AO AP 6-2 GW ES (Detection Limits)	Client
2764-2	AO AP 6-2 GW ES (Conc. Column 1)	
2764-3	AO AP 6-2 GW ES (Conc. Column 2)	
2764-4	AO AP 6-2 GW ES (RT Column 1)	
2764-5	AO AP 6-2 GW ES (RT Column 2)	

PARAMETER	2764-1	2764-2	2764-3	2764-4	2764-5
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-1	AO AP 6-2 GW ES (Detection Limits)	Client
2764-2	AO AP 6-2 GW ES (Conc. Column 1)	
2764-3	AO AP 6-2 GW ES (Conc. Column 2)	
2764-4	AO AP 6-2 GW ES (RT Column 1)	
2764-5	AO AP 6-2 GW ES (RT Column 2)	

PARAMETER	2764-1	2764-2	2764-3	2764-4	2764-5
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV10	---	---	---	---
Date Collected	10.28.86	---	---	---	---
Date Analyzed	10.29.86	---	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2785-6	AO AP 6-3 GW ES (Detection Limits)	Client
2785-7	AO AP 6-3 GW ES (Conc. Column 1)	
2785-8	AO AP 6-3 GW ES (Conc. Column 2)	
2785-9	AO AP 6-3 GW ES (RT Column 1)	
2785-10	AO AP 6-3 GW ES (RT Column 2)	

PARAMETER	2785-6	2785-7	2785-8	2785-9	2785-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-6	AO AP 6-3 GW ES (Detection Limits)	Client
2785-7	AO AP 6-3 GW ES (Conc. Column 1)	
2785-8	AO AP 6-3 GW ES (Conc. Column 2)	
2785-9	AO AP 6-3 GW ES (RT Column 1)	
2785-10	AO AP 6-3 GW ES (RT Column 2)	

PARAMETER	2785-6	2785-7	2785-8	2785-9	2785-10
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-6	AO AP 6-3 GW ES (Detection Limits)	Client
2785-7	AO AP 6-3 GW ES (Conc. Column 1)	
2785-8	AO AP 6-3 GW ES (Conc. Column 2)	
2785-9	AO AP 6-3 GW ES (RT Column 1)	
2785-10	AO AP 6-3 GW ES (RT Column 2)	

PARAMETER	2785-6	2785-7	2785-8	2785-9	2785-10
Dilution factor,	1	---	---	---	---
Percent Solids,	NA	---	---	---	---
QC Report,	QCV12	---	---	---	---
Date Collected	10.28.86	---	---	---	---
Date Analyzed	10.31.86	---	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-6	AO AP 6-4 GW ES (Detection Limits)	Client
2764-7	AO AP 6-4 GW ES (Conc. Column 1)	
2764-8	AO AP 6-4 GW ES (Conc. Column 2)	
2764-9	AO AP 6-4 GW ES (RT Column 1)	
2764-10	AO AP 6-4 GW ES (RT Column 2)	

PARAMETER	2764-6	2764-7	2764-8	2764-9	2764-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1 2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2764-6	AO AP 6-4 GW ES (Detection Limits)	Client
2764-7	AO AP 6-4 GW ES (Conc. Column 1)	
2764-8	AO AP 6-4 GW ES (Conc. Column 2)	
2764-9	AO AP 6-4 GW ES (RT Column 1)	
2764-10	AO AP 6-4 GW ES (RT Column 2)	

PARAMETER	2764-6	2764-7	2764-8	2764-9	2764-10
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-6	AO AP 6-4 GW ES (Detection Limits)	Client
2764-7	AO AP 6-4 GW ES (Conc. Column 1)	
2764-8	AO AP 6-4 GW ES (Conc. Column 2)	
2764-9	AO AP 6-4 GW ES (RT Column 1)	
2764-10	AO AP 6-4 GW ES (RT Column 2)	

PARAMETER	2764-6	2764-7	2764-8	2764-9	2764-10
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV10	---	---	---	---
Date Collected	10.28.86	---	---	---	---
Date Analyzed	10.29.86	---	---	---	---

James W. Andrews, Ph.D.
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LOG NO: 86-2785

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-11	AO AP 6-5 GW ES (Detection Limits)	Client
2785-12	AO AP 6-5 GW ES (Conc. Column 1)	
2785-13	AO AP 6-5 GW ES (Conc. Column 2)	
2785-14	AO AP 6-5 GW ES (RT Column 1)	
2785-15	AO AP 6-5 GW ES (RT Column 2)	

PARAMETER	2785-11	2785-12	2785-13	2785-14	2785-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-11	AO AP 6-5 GW ES (Detection Limits)	Client
2785-12	AO AP 6-5 GW ES (Conc. Column 1)	
2785-13	AO AP 6-5 GW ES (Conc. Column 2)	
2785-14	AO AP 6-5 GW ES (RT Column 1)	
2785-15	AO AP 6-5 GW ES (RT Column 2)	

PARAMETER	2785-11	2785-12	2785-13	2785-14	2785-15
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-11	AO AP 6-5 GW ES (Detection Limits)	Client
2785-12	AO AP 6-5 GW ES (Conc. Column 1)	
2785-13	AO AP 6-5 GW ES (Conc. Column 2)	
2785-14	AO AP 6-5 GW ES (RT Column 1)	
2785-15	AO AP 6-5 GW ES (RT Column 2)	

PARAMETER	2785-11	2785-12	2785-13	2785-14	2785-15
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV12	---	---	---	---
Date Collected	[illegible]	---	---	---	---
Date Analyzed	10.31.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2764-11	AC AP 7-1 GW ES (Detection Limits)	Client
2764-12	AC AP 7-1 GW ES (Conc. Column 1)	
2764-13	AC AP 7-1 GW ES (Conc. Column 2)	
2764-14	AC AP 7-1 GW ES (RT Column 1)	
2764-15	AC AP 7-1 GW ES (RT Column 2)	

PARAMETER	2764-11	2764-12	2764-13	2764-14	2764-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO: 86-2764

Received: 29 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-11	AC AP 7-1 GW ES (Detection Limits)	Client
2764-12	AC AP 7-1 GW ES (Conc. Column 1)	
2764-13	AC AP 7-1 GW ES (Conc. Column 2)	
2764-14	AC AP 7-1 GW ES (RT Column 1)	
2764-15	AC AP 7-1 GW ES (RT Column 2)	

PARAMETER	2764-11	2764-12	2764-13	2764-14	2764-15
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2764-11	AC AP 7-1 GW ES (Detection Limits)	Client
2764-12	AC AP 7-1 GW ES (Conc Column 1)	
2764-13	AC AP 7-1 GW ES (Conc Column 2)	
2764-14	AC AP 7-1 GW ES (RT Column 1)	
2764-15	AC AP 7-1 GW ES (RT Column 2)	

PARAMETER		2764-11	2764-12	2764-13	2764-14	2764-15
Dilution factor		1	---	---	---	---
Percent Solids		NA	---	---	---	---
QC Report		QCV11	---	---	---	---
Date Collected		10.27.86	---	---	---	---
Date Analyzed		10 30 86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-16	AC AP 7-2 GW ES (Detection Limits)	Client
2764-17	AC AP 7-2 GW ES (Conc. Column 1)	
2764-18	AC AP 7-2 GW ES (Conc. Column 2)	
2764-19	AC AP 7 2 GW ES (RT Column 1)	
2764-20	AC AP 7-2 GW ES (RT Column 2)	

PARAMETER	2764-16	2764-17	2764-18	2764-19	2764-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2764-16	AC AP 7-2 GW ES (Detection Limits)	Client
2764-17	AC AP 7-2 GW ES (Conc. Column 1)	
2764-18	AC AP 7-2 GW ES (Conc. Column 2)	
2764-19	AC AP 7-2 GW ES (RT Column 1)	
2764-20	AC AP 7-2 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2764-16	2764-17	2764-18	2764-19	2764-20
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2 Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-16	AC AP 7-2 GW ES (Detection Limits)	Client
2764-17	AC AP 7-2 GW ES (Conc. Column 1)	
2764-18	AC AP 7-2 GW ES (Conc. Column 2)	
2764-19	AC AP 7-2 GW ES (RT Column 1)	
2764-20	AC AP 7-2 GW ES (RT Column 2)	

PARAMETER	2764-16	2764-17	2764-18	2764-19	2764-20
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV10	---	---	---	---
Date Collected	10.27.86	---	---	---	---
Date Analyzed	10.29.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-21	AC AP 7-3 GW ES (Detection Limits)	Client
2764-22	AC AP 7-3 GW ES (Conc. Column 1)	
2764-23	AC AP 7-3 GW ES (Conc. Column 2)	
2764-24	AC AP 7-3 GW ES (RT Column 1)	
2764-25	AC AP 7-3 GW ES (RT Column 2)	

PARAMETER	2764-21	2764-22	2764-23	2764-24	2764-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-21	AC AP 7-3 GW ES (Detection Limits)	Client
2764-22	AC AP 7-3 GW ES (Conc. Column 1)	
2764-23	AC AP 7-3 GW ES (Conc. Column 2)	
2764-24	AC AP 7-3 GW ES (RT Column 1)	
2764-25	AC AP 7-3 GW ES (RT Column 2)	

PARAMETER	2764-21	2764-22	2764-23	2764-24	2764-25
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2764-21	AC AP 7-3 GW ES (Detection Limits)	Client
2764-22	AC AP 7-3 GW ES (Conc Column 1)	
2764-23	AC AP 7-3 GW ES (Conc Column 2)	
2764-24	AC AP 7-3 GW ES (RT Column 1)	
2764-25	AC AP 7-3 GW ES (RT Column 2)	

GROUND WATER SAMPLES

PARAMETER	2764-21	2764-22	2764-23	2764-24	2764-25
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV10	---	---	---	---
Date Collected	10.28 86	---	---	---	---
Date Analyzed	10.29 86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-26	AC AP 7-4 GW ES (Detection Limits)	Client
2764-27	AC AP 7-4 GW ES (Conc. Column 1)	
2764-28	AC AP 7-4 GW ES (Conc. Column 2)	
2764-29	AC AP 7-4 GW ES (RT Column 1)	
2764-30	AC AP 7-4 GW ES (RT Column 2)	

PARAMETER	2764-26	2764-27	2764-28	2764-29	2764-30
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-26	AC AP 7-4 GW ES (Detection Limits)	Client
2764-27	AC AP 7-4 GW ES (Conc. Column 1)	
2764-28	AC AP 7-4 GW ES (Conc. Column 2)	
2764-29	AC AP 7-4 GW ES (RT Column 1)	
2764-30	AC AP 7-4 GW ES (RT Column 2)	

PARAMETER	2764-26	2764-27	2764-28	2764-29	2764-30
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-26	AC AP 7-4 GW ES (Detection Limits)	Client
2764-27	AC AP 7-4 GW ES (Conc. Column 1)	
2764-28	AC AP 7-4 GW ES (Conc. Column 2)	
2764-29	AC AP 7-4 GW ES (RT Column 1)	
2764-30	AC AP 7-4 GW ES (RT Column 2)	

PARAMETER	2764-26	2764-27	2764-28	2764-29	2764-30
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV10	---	---	---	---
Date Collected	10.28.86	---	---	---	---
Date Analyzed	10.29.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-31	AC AP 7-5 GW ES (Detection Limits)	Client
2764-32	AC AP 7-5 GW ES (Conc. Column 1)	
2764-33	AC AP 7-5 GW ES (Conc. Column 2)	
2764-34	AC AP 7-5 GW ES (RT Column 1)	
2764-35	AC AP 7-5 GW ES (RT Column 2)	

PARAMETER	2764-31	2764-32	2764-33	2764-34	2764-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-31	AC AP 7-5 GW ES (Detection Limits)	Client
2764-32	AC AP 7-5 GW ES (Conc. Column 1)	
2764-33	AC AP 7-5 GW ES (Conc. Column 2)	
2764-34	AC AP 7-5 GW ES (RT Column 1)	
2764-35	AC AP 7-5 GW ES (RT Column 2)	

PARAMETER	2764-31	2764-32	2764-33	2764-34	2764-35
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO: 86-2764

Received: 29 OCT 86

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Project: MacDill AFB Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-31	AC AP 7-5 GW ES (Detection Limits)	Client
2764-32	AC AP 7-5 GW ES (Conc. Column 1)	
2764-33	AC AP 7-5 GW ES (Conc. Column 2)	
2764-34	AC AP 7-5 GW ES (RT Column 1)	
2764-35	AC AP 7-5 GW ES (RT Column 2)	

PARAMETER	2764-31	2764-32	2764-33	2764-34	2764-35
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV10	---	---	---	---
Date Collected	10.28.86	---	---	---	---
Date Analyzed	10.29.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-41	DK MD3 SW-1 ES (Detection Limits)	Client
2687-42	DK MD3 SW-1 ES (Conc. Column 1)	
2687-43	DK MD3 SW-1 ES (Conc. Column 2)	
2687-44	DK MD3 SW-1 ES (RT Column 1)	
2687-45	DK MD3 SW-1 ES (RT Column 2)	

PARAMETER	2687-41	2687-42	2687-43	2687-44	2687-45
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-41	DK MD3 SW-1 ES (Detection Limits)	Client
2687-42	DK MD3 SW-1 ES (Conc. Column 1)	
2687-43	DK MD3 SW-1 ES (Conc. Column 2)	
2687-44	DK MD3 SW-1 ES (RT Column 1)	
2687-45	DK MD3 SW-1 ES (RT Column 2)	

PARAMETER	2687-41	2687-42	2687-43	2687-44	2687-45
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-41	DK MD3 SW-1 ES (Detection Limits)	Client
2687-42	DK MD3 SW-1 ES (Conc. Column 1)	
2687-43	DK MD3 SW-1 ES (Conc. Column 2)	
2687-44	DK MD3 SW-1 ES (RT Column 1)	
2687-45	DK MD3 SW-1 ES (RT Column 2)	

PARAMETER	2687-41	2687-42	2687-43	2687-44	2687-45
Dilution factor,	1	---	---	---	---
Percent Solids,	NA	---	---	---	---
QC Report,	QCV8	---	---	---	---
Date Collected	10.19.86	---	---	---	---
Date Analyzed	10.22.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-56	DK MD3 SW-2 ES (Detection Limits	Client
2687-57	DK MD3 SW-2 ES (Conc. Column 1)	
2687-58	DK MD3 SW-2 ES (Conc. Column 2)	
2687-59	DK MD3 SW-2 ES (RT Column 1)	
2687-60	DK MD3 SW-2 ES (RT Column 2)	

PARAMETER	2687-56	2687-57	2687-58	2687-59	2687-60
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-56	DK MD3 SW-2 ES (Detection Limits	Client
2687-57	DK MD3 SW-2 ES (Conc. Column 1)	
2687-58	DK MD3 SW-2 ES (Conc. Column 2)	
2687-59	DK MD3 SW-2 ES (RT Column 1)	
2687-60	DK MD3 SW-2 ES (RT Column 2)	

PARAMETER	2687-56	2687-57	2687-58	2687-59	2687-60
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	WATER SAMPLES	SAMPLED BY
2687-56	DK MD3 SW-2 ES (Detection Limits		Client
2687-57	DK MD3 SW-2 ES (Conc. Column 1)		
2687-58	DK MD3 SW-2 ES (Conc. Column 2)		
2687-59	DK MD3 SW-2 ES (RT Column 1)		
2687-60	DK MD3 SW-2 ES (RT Column 2)		

PARAMETER	2687-56	2687-57	2687-58	2687-59	2687-60
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report	QCV9	---	---	---	---
Date Collected	10.19.86	---	---	---	---
Date Analyzed	10 23.86	---	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-46	DK MD3 SW-3 ES (Detection Limits)	Client
2687-47	DK MD3 SW-3 ES (Conc. Column 1)	
2687-48	DK MD3 SW-3 ES (Conc. Column 2)	
2687-49	DK MD3 SW-3 ES (RT Column 1)	
2687-50	DK MD3 SW-3 ES (RT Column 2)	

PARAMETER	2687-46	2687-47	2687-48	2687-49	2687-50
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-46	DK MD3 SW-3 ES (Detection Limits)	Client
2687-47	DK MD3 SW 3 ES (Conc. Column 1)	
2687-48	DK MD3 SW-3 ES (Conc. Column 2)	
2687-49	DK MD3 SW-3 ES (RT Column 1)	
2687-50	DK MD3 SW 3 ES (RT Column 2)	

PARAMETER	2687-46	2687-47	2687-48	2687-49	2687-50
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-46	DK MD3 SW-3 ES (Detection Limits)	Client
2687-47	DK MD3 SW-3 ES (Conc. Column 1)	
2687-48	DK MD3 SW-3 ES (Conc. Column 2)	
2687-49	DK MD3 SW-3 ES (RT Column 1)	
2687-50	DK MD3 SW-3 ES (RT Column 2)	

PARAMETER	2687-46	2687-47	2687-48	2687-49	2687-50
Dilution factor.	1	-	--		-
Percent Solids	NA	---	---	---	---
QC Report.	QCVs	-	--		-
Date Collected	10.19.86	---	---	-	--
Date Analyzed	10 22 86	-	---	--	- -

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-36	DK MD3 SW-4 ES (Detection Limits)	Client
2687-37	DK MMD3 SW-4 ES (Conc. Column 1)	
2687-38	DK MD3 SW-4 ES (Conc. Column 2)	
2687-39	DK MD3 SW-4 ES (RT Column 1)	
2687-40	DK MD3 SW-4 ES (RT Column 2)	

PARAMETER	2687-36	2687 37	2687-38	2687-39	2687-40
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-36	DK MD3 SW-4 ES (Detection Limits)	Client
2687-37	DK MMD3 SW-4 ES (Conc. Column 1)	
2687-38	DK MD3 SW-4 ES (Conc. Column 2)	
2687-39	DK MD3 SW-4 ES (RT Column 1)	
2687-40	DK MD3 SW-4 ES (RT Column 2)	

PARAMETER	2687-36	2687-37	2687-38	2687-39	2687-40
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO: 86-2687

Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-36	DK MD3 SW-4 ES (Detection Limits)	Client
2687-37	DK MMD3 SW-4 ES (Conc. Column 1)	
2687-38	DK MD3 SW-4 ES (Conc. Column 2)	
2687-39	DK MD3 SW-4 ES (RT Column 1)	
2687-40	DK MD3 SW-4 ES (RT Column 2)	

PARAMETER	2687-36	2687-37	2687-38	2687-39	2687-40
Dilution factor	1	---	---	---	---
Percent Solids	NA	---	---	---	---
QC Report.	QCV9	---	---	---	---
Date Collected	10.19.86	---	---	---	---
Date Analyzed	10 23.86		-	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-61	DK MD3 SW-5 ES (Detection Limits)	Client
2687-62	DK MD3 SW-5 ES (Conc. Column 1)	
2687-63	DK MD3 SW-5 ES (Conc. Column 2)	
2687-64	DK MD3 SW 5 ES (RT Column 1)	
2687-65	DK MD3 SW-5 ES (RT Column 2)	

PARAMETER	2687-61	2687-62	2687-63	2687-64	2687-65
Purgeable Halocarbons (601)					
Bromodichloromethane, ug l	0.4	ND	---	---	---
Bromoform, ug l	1	ND	---	---	---
Bromomethane, ug l	1	ND	---	---	---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
Chloroethane, ug l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug l	1	ND	---	---	---
Chloroform, ug l	0.2	ND	---	---	---
Chloromethane, ug l	1	ND	---	---	---
Dibromochloromethane, ug l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug l	1	ND	---	---	---
1,1-Dichloroethane, ug l	0.3	ND	---	---	---
1,2-Dichloroethane, ug l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-61	DK MD3 SW 5 ES (Detection Limits)	Client
2687-62	DK MD3 SW-5 ES (Conc. Column 1)	
2687-63	DK MD3 SW-5 ES (Conc. Column 2)	
2687-64	DK MD3 SW-5 ES (RT Column 1)	
2687-65	DK MD3 SW 5 ES (RT Column 2)	

PARAMETER	2687-61	2687-62	2687-63	2687-64	2687-65
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-61	DK MD3 SW-5 ES (Detection Limits)	Client
2687-62	DK MD3 SW-5 ES (Conc. Column 1)	
2687-63	DK MD3 SW-5 ES (Conc. Column 2)	
2687-64	DK MD3 SW-5 ES (RT Column 1)	
2687-65	DK MD3 SW-5 ES (RT Column 2)	

PARAMETER	2687-61	2687-62	2687-63	2687-64	2687-65
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV9	---	---	---	---
Date Collected	10.19.86	---	---	---	---
Date Analyzed	10 23.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-6	PL MD58 SW-1 ES (Detection Limits)	Client
2687-7	PL MD58 SW-1 ES (Conc. Column 1)	
2687-8	PL MD58 SW-1 ES (Conc. Column 2)	
2687-9	PL MD58 SW-1 ES (RT Column 1)	
2687-10	PL MD58 SW-1 ES (RT Column 2)	

PARAMETER	2687-6	2687-7	2687-8	2687-9	2687-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-6	PL MD58 SW-1 ES (Detection Limits)	Client
2687-7	PL MD58 SW-1 ES (Conc. Column 1)	
2687-8	PL MD58 SW-1 ES (Conc. Column 2)	
2687-9	PL MD58 SW-1 ES (RT Column 1)	
2687-10	PL MD58 SW-1 ES (RT Column 2)	

PARAMETER	2687-6	2687-7	2687-8	2687-9	2687-10
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-6	PL MD58 SW-1 ES (Detection Limits)	Client
2687-7	PL MD58 SW-1 ES (Conc. Column 1)	
2687-8	PL MD58 SW-1 ES (Conc. Column 2)	
2687-9	PL MD58 SW-1 ES (RT Column 1)	
2687-10	PL MD58 SW-1 ES (RT Column 2)	

PARAMETER	2687-6	2687-7	2687-8	2687-9	2687-10
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV8	--	--	---	---
Date Collected	10.20.86	---	---	---	---
Date Analyzed	10.22.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-31	PL MD58 SW-2 ES (Detection Limits)	Client
2687-32	PL MD58 SW-2 ES (Conc. Column 1)	
2687-33	PL MD58 SW-2 ES (Conc. Column 2)	
2687-34	PL MD58 SW-2 ES (RT Column 1)	
2687-35	PL MD58 SW-2 ES (RT Column 2)	

PARAMETER		2687-31	2687-32	2687-33	2687-34	2687-35
Purgeable Halocarbons (601)						
Bromodichloromethane, ug/l		0.4	ND	---	---	---
Bromoform, ug/l		1	ND	---	---	---
Bromomethane, ug/l		1	ND	---	---	---
Carbon Tetrachloride, ug/l		0.3	ND	---	---	---
Chlorobenzene, ug/l		1	ND	---	---	---
Chloroethane, ug/l		0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l		1	ND	---	---	---
Chloroform, ug/l		0.2	ND	---	---	---
Chloromethane, ug/l		1	ND	---	---	---
Dibromochloromethane, ug/l		0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l		0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l		1	ND	---	---	---
1,1-Dichloroethane, ug/l		0.3	ND	---	---	---
1,2-Dichloroethane, ug/l		0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l		0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l		0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-31	PL MD58 SW-2 ES (Detection Limits)	Client
2687-32	PL MD58 SW-2 ES (Conc. Column 1)	
2687-33	PL MD58 SW-2 ES (Conc. Column 2)	
2687-34	PL MD58 SW-2 ES (RT Column 1)	
2687-35	PL MD58 SW-2 ES (RT Column 2)	

PARAMETER	2687-31	2687-32	2687-33	2687-34	2687-35
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1.1.1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-31	PL MD58 SW-2 ES (Detection Limits)	Client
2687-32	PL MD58 SW-2 ES (Conc Column 1)	
2687-33	PL MD58 SW-2 ES (Conc Column 2)	
2687-34	PL MD58 SW-2 ES (RT Column 1)	
2687-35	PL MD58 SW-2 ES (RT Column 2)	

PARAMETER	2687-31	2687-32	2687-33	2687-34	2687-35
Dilution factor.	1	--	--	---	--
Percent Solids.	NA	---	---	---	---
QC Report.	QCV8	--	-	---	---
Date Collected	10.20.86	---	---	---	---
Date Analyzed	10.22.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2687-21	PL MD58 SW-3 ES (Detection Limits)	Client
2687-22	PL MD58 SW-3 ES (Conc. Column 1)	
2687-23	PL MD58 SW-3 ES (Conc. Column 2)	
2687-24	PL MD58 SW-3 ES (RT Column 1)	
2687-25	PL MD58 SW-3 ES (RT Column 2)	

PARAMETER	2687-21	2687-22	2687-23	2687-24	2687-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-21	PL MD58 SW 3 ES (Detection Limits)	Client
2687-22	PL MD58 SW-3 ES (Conc. Column 1)	
2687-23	PL MD58 SW-3 ES (Conc. Column 2)	
2687-24	PL MD58 SW-3 ES (RT Column 1)	
2687-25	PL MD58 SW-3 ES (RT Column 2)	

PARAMETER	2687-21	2687-22	2687-23	2687-24	2687-25
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-21	PL MD58 SW-3 ES (Detection Limits)	Client
2687-22	PL MD58 SW-3 ES (Conc. Column 1)	
2687-23	PL MD58 SW-3 ES (Conc. Column 2)	
2687-24	PL MD58 SW-3 ES (RT Column 1)	
2687-25	PL MD58 SW-3 ES (RT Column 2)	

PARAMETER	2687-21	2687-22	2687-23	2687-24	2687-25
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV8	---	---	---	---
Date Collected	10.20.86	---	---	---	---
Date Analyzed	10.22.86	---	---	---	---

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LOG NO: 86-2687

Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-26	PL MD58 SW-4 ES (Detection Limits)	Client
2687-27	PL MD58 SW-4 ES (Conc. Column 1)	
2687-28	PL MD58 SW-4 ES (Conc. Column 2)	
2687-29	PL MD58 SW-4 ES (RT Column 1)	
2687-30	PL MD58 SW-4 ES (RT Column 2)	

PARAMETER		2687-26	2687-27	2687-28	2687-29	2687-30
Purgeable Halocarbons (601)						
Bromodichloromethane,	ug/l	0.4	ND	NR	---	
Bromoform,	ug/l	1	ND		---	
Bromomethane,	ug/l	1	ND		---	
Carbon Tetrachloride,	ug/l	0.3	ND		---	
Chlorobenzene,	ug/l	1	ND		---	
Chloroethane,	ug/l	0.8	ND		---	
2-Chloroethylvinyl Ether,	ug/l	1	ND		---	
Chloroform,	ug/l	0.2	ND		---	
Chloromethane,	ug/l	1	ND		---	
Dibromochloromethane,	ug/l	0.5	ND		---	
1,2-Dichlorobenzene,	ug/l	0.5	ND		---	
1,3-Dichlorobenzene,	ug/l	0.5	ND		---	
1,4-Dichlorobenzene,	ug/l	0.5	ND		---	
Dichlorodifluoromethane,	ug/l	1	ND		---	
1,1-Dichloroethane,	ug/l	0.3	ND		---	
1,2-Dichloroethane,	ug/l	0.2	ND		---	
1,1-Dichloroethylene,	ug/l	0.4	ND		---	
trans-1,2-Dichloroethene,	ug/l	0.3	ND		---	

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-26	PL MD58 SW-4 ES (Detection Limits)	Client
2687-27	PL MD58 SW-4 ES (Conc. Column 1)	
2687-28	PL MD58 SW-4 ES (Conc. Column 2)	
2687-29	PL MD58 SW-4 ES (RT Column 1)	
2687-30	PL MD58 SW-4 ES (RT Column 2)	

PARAMETER	2687-26	2687-27	2687-28	2687-29	2687-30
1,2-Dichloropropane, ug/l	0.5	ND		---	
cis-1,3-Dichloropropene, ug/l	0.2	ND		---	
trans-1,3-Dichloropropene, ug/l	0.2	ND		---	
Methylene Chloride, ug/l	0.5	ND		---	
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND		---	
Tetrachloroethylene, ug/l	0.2	ND		---	
1,1,1-Trichloroethane, ug/l	0.3	ND		---	
1,1,2-Trichloroethane, ug/l	0.3	ND		---	
Trichloroethylene, ug/l	0.2	ND		---	
Trichlorofluoromethane, ug/l	0.5	ND		---	
Vinyl Chloride, ug/l	1	ND		---	
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND		---	
Chlorobenzene, ug/l	1	ND		---	
1,2-Dichlorobenzene, ug/l	0.5	ND		---	
1,3-Dichlorobenzene, ug/l	0.5	ND		---	
1,4-Dichlorobenzene, ug/l	0.5	ND		---	
Ethylbenzene, ug/l	1	ND		---	
Toluene, ug/l	1	ND		---	

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-26	PL MD58 SW-4 ES (Detection Limits)	Client
2687-27	PL MD58 SW-4 ES (Conc. Column 1)	
2687-28	PL MD58 SW-4 ES (Conc. Column 2)	
2687-29	PL MD58 SW-4 ES (RT Column 1)	
2687-30	PL MD58 SW-4 ES (RT Column 2)	

PARAMETER	2687-26	2687-27	2687-28	2687-29	2687-30
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV8	--	--	---	---
Date Collected	10 20 86	---	---	---	---
Date Analyzed	10 22 86	---	--	--	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	WATER SAMPLES	SAMPLED BY
2687-1	PL MD58 SW-5 ES (Detection Limits)		Client
2687-2	PL MD58 SW-5 ES (Conc. Column 1)		
2687-3	PL MD58 SW-5 ES (Conc. Column 2)		
2687-4	PL MD58 SW-5 ES (RT Column 1)		
2687-5	PL MD58 SW-5 ES (RT Column 2)		

PARAMETER	2687-1	2687-2	2687-3	2687-4	2687-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.3	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-1	PL MD58 SW-5 ES (Detection Limits)	Client
2687-2	PL MD58 SW-5 ES (Conc. Column 1)	
2687-3	PL MD58 SW 5 ES (Conc. Column 2)	
2687-4	PL MD58 SW 5 ES (RT Column 1)	
2687-5	PL MD58 SW 5 ES (RT Column 2)	

PARAMETER	2687-1	2687-2	2687-3	2687-4	2687-5
1.2-Dichloropropane, ug l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug l	0.2	ND	---	---	---
trans-1.3-Dichloropropene, ug l	0.2	ND	---	---	---
Methylene Chloride, ug l	0.5	ND	---	---	---
1.1.2.2-Tetrachloroethane, ug l	0.5	ND	---	---	---
Tetrachloroethylene, ug l	0.2	ND	---	---	---
1.1.1-Trichloroethane, ug l	0.3	ND	---	---	---
1.1.2-Trichloroethane, ug l	0.3	ND	---	---	---
Trichloroethylene, ug l	0.2	ND	---	---	---
Trichlorofluoromethane, ug l	0.5	ND	---	---	---
Vinyl Chloride, ug l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug l	0.5	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
1.2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1.3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1.4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2687-1	PL MD58 SW-5 ES (Detection Limits)	Client
2687-2	PL MD58 SW-5 ES (Conc. Column 1)	
2687-3	PL MD58 SW-5 ES (Conc. Column 2)	
2687-4	PL MD58 SW-5 ES (RT Column 1)	
2687-5	PL MD58 SW-5 ES (RT Column 2)	

PARAMETER	2687-1	2687-2	2687-3	2687-4	2687-5
Dilution factor	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV8	---	---	---	---
Date Collected	10.20.86	---	---	---	---
Date Analyzed	10.22.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	WATER SAMPLES	SAMPLED BY
2687-16	RL MD9 SW-1 E6 (Detection Limits)		Client
2687-17	RL MD9 SW-1 E6 (Conc. Column 1)		
2687-18	RL MD9 SW-1 E6 (Conc. Column 2)		
2687-19	RL MD9 SW-1 E6 (RT Column 1)		
2687-20	RL MD9 SW-1 E6 (RT Column 2)		

PARAMETER	2687-16	2687-17	2687-18	2687-19	2687-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-16	RL MD9 SW-1 E6 (Detection Limits)	Client
2687-17	RL MD9 SW-1 E6 (Conc. Column 1)	
2687-18	RL MD9 SW-1 E6 (Conc. Column 2)	
2687-19	RL MD9 SW-1 E6 (RT Column 1)	
2687-20	RL MD9 SW-1 E6 (RT Column 2)	

PARAMETER	2687-16	2687-17	2687-18	2687-19	2687-20
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-16	RL MD9 SW-1 E6 (Detection Limits)	Client
2687-17	RL MD9 SW-1 E6 (Conc. Column 1)	
2687-18	RL MD9 SW-1 E6 (Conc. Column 2)	
2687-19	RL MD9 SW-1 E6 (RT Column 1)	
2687-20	RL MD9 SW-1 E6 (RT Column 2)	

PARAMETER	2687-16	2687-17	2687-18	2687-19	2687-20
Dilution factor.	1	---	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV9	---	---	---	---
Date Collected	10.20.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-11	RL MD9 SW-2 ES (Detection Limits)	Client
2687-12	RL MD9 SW-2 ES (Conc. Column 1)	
2687-13	RL MD9 SW-2 ES (Conc. Column 2)	
2687-14	RL MD9 SW-2 ES (RT Column 1)	
2687-15	RL MD9 SW-2 ES (RT Column 2)	

PARAMETER		2687-11	2687-12	2687-13	2687-14	2687-15
Purgeable Halocarbons (601)						
Bromodichloromethane, ug/l		0.4	ND	---	---	---
Bromoform, ug/l		1	ND	---	---	---
Bromomethane, ug/l		1	ND	---	---	---
Carbon Tetrachloride, ug/l		0.3	ND	---	---	---
Chlorobenzene, ug/l		1	ND	---	---	---
Chloroethane, ug/l		0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l		1	ND	---	---	---
Chloroform, ug/l		0.2	ND	---	---	---
Chloromethane, ug/l		1	ND	---	---	---
Dibromochloromethane, ug/l		0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l		0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l		1	ND	---	---	---
1,1-Dichloroethane, ug/l		0.3	ND	---	---	---
1,2-Dichloroethane, ug/l		0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l		0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l		0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-11	RL MD9 SW-2 ES (Detection Limits)	Client
2687-12	RL MD9 SW-2 ES (Conc. Column 1)	
2687-13	RL MD9 SW-2 ES (Conc. Column 2)	
2687-14	RL MD9 SW-2 ES (RT Column 1)	
2687-15	RL MD9 SW-2 ES (RT Column 2)	

PARAMETER	2687-11	2687-12	2687-13	2687-14	2687-15
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3 Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-11	RL MD9 SW-2 ES (Detection Limits)	Client
2687-12	RL MD9 SW-2 ES (Conc. Column 1)	
2687-13	RL MD9 SW-2 ES (Conc. Column 2)	
2687-14	RL MD9 SW-2 ES (RT Column 1)	
2687-15	RL MD9 SW-2 ES (RT Column 2)	

PARAMETER	2687-11	2687-12	2687-13	2687-14	2687-15
Dilution factor.	1	---	---	---	---
Percent Solids.	NA		---	---	---
QC Report.	QCV8	---	---	---	---
Date Collected	10.20.86	---	---	---	---
Date Analyzed	10.22.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-30	CM MD-11 SW-1 ES (Detection Limits)	Client
2705-31	CM MD-11 SW-1 ES (Conc. Column 1)	
2705-32	CM MD-11 SW-1 ES (Conc. Column 2)	
2705-33	CM MD-11 SW-1 ES (RT. Column 1)	
2705-34	CM MD-11 SW-1 ES (RT. Column 2)	

PARAMETER	2705-30	2705-31	2705-32	2705-33	2705-34
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

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LOG NO: 86-2705

Received: 22 OCT 86

Mr. Mark Guthrie
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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-30	CM MD-11 SW-1 ES (Detection Limits)	Client
2705-31	CM MD-11 SW-1 ES (Conc. Column 1)	
2705-32	CM MD-11 SW-1 ES (Conc. Column 2)	
2705-33	CM MD-11 SW-1 ES (RT. Column 1)	
2705-34	CM MD-11 SW-1 ES (RT. Colum 2)	

PARAMETER	2705-30	2705-31	2705-32	2705-33	2705-34
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1.3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1.2.2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-30	CM MD-11 SW-1 ES (Detection Limits)	Client
2705-31	CM MD-11 SW-1 ES (Conc. Column 1)	
2705-32	CM MD-11 SW-1 ES (Conc. Column 2)	
2705-33	CM MD-11 SW-1 ES (RT. Column 1)	
2705-34	CM MD-11 SW-1 ES (RT. Column 2)	

PARAMETER	2705-30	2705-31	2705-32	2705-33	2705-34
Dilution factor,	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report, number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-15	CM MD-11 SW-2 ES (Detection Limits)	Client
2705-16	CM MD-11 SW-2 ES (Conc. Column 1)	
2705-17	CM MD-11 SW-2 ES (Conc. Column 2)	
2705-18	CM MD-11 SW-2 ES (RT Column 1)	
2705-19	CM MD-11 SW-2 ES (RT Column 2)	

PARAMETER	2705-15	2705-16	2705-17	2705-18	2705-19
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-15	CM MD-11 SW-2 ES (Detection Limits)	Client
2705-16	CM MD-11 SW-2 ES (Conc. Column 1)	
2705-17	CM MD-11 SW-2 ES (Conc. Column 2)	
2705-18	CM MD-11 SW-2 ES (RT Column 1)	
2705-19	CM MD-11 SW-2 ES (RT Column 2)	

PARAMETER	2705-15	2705-16	2705-17	2705-18	2705-19
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-15	CM MD-11 SW-2 ES (Detection Limits)	Client
2705-16	CM MD-11 SW-2 ES (Conc. Column 1)	
2705-17	CM MD-11 SW-2 ES (Conc. Column 2)	
2705-18	CM MD-11 SW-2 ES (RT Column 1)	
2705-19	CM MD-11 SW-2 ES (RT Column 2)	

PARAMETER	2705-15	2705-16	2705-17	2705-18	2705-19
Dilution factor.	1	---	---	---	---
Percent Solids. %	NA	---	---	---	---
QC Report. number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-25	CM MD-11 SW-3 ES (Detection Limits)	Client
2705-26	CM MD-11 SW-3 ES (Conc. Column 1)	
2705-27	CM MD-11 SW-3 ES (Conc. Column 2)	
2705-28	CM MD-11 SW-3 ES (RT. Column 1)	
2705-29	CM MD-11 SW-3 ES (RT. Column 2)	

PARAMETER	2705-25	2705-26	2705-27	2705-28	2705-29
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-25	CM MD-11 SW-3 ES (Detection Limits)	Client
2705-26	CM MD-11 SW-3 ES (Conc. Column 1)	
2705-27	CM MD-11 SW-3 ES (Conc. Column 2)	
2705-28	CM MD-11 SW-3 ES (RT. Column 1)	
2705-29	CM MD-11 SW-3 ES (RT. Column 2)	

PARAMETER	2705-25	2705-26	2705-27	2705-28	2705-29
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-25	CM MD-11 SW-3 ES (Detection Limits)	Client
2705-26	CM MD-11 SW-3 ES (Conc. Column 1)	
2705-27	CM MD-11 SW-3 ES (Conc. Column 2)	
2705-28	CM MD-11 SW-3 ES (RT. Column 1)	
2705-29	CM MD-11 SW-3 ES (RT. Column 2)	

PARAMETER	2705-25	2705-26	2705-27	2705-28	2705-29
Dilution factor,	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report, number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-55	FT MD-16 SW-1 ES (Detection Limits)	Client
2705-56	FT MD-16 SW-1 ES (Conc. Column 1)	
2705-57	FT MD-16 SW-1 ES (Conc. Column 2)	
2705-58	FT MD-16 SW-1 ES (RT. Column 1)	
2705-59	FT MD-16 SW-1 ES (RT. Column 2)	

PARAMETER	2705-55	2705-56	2705-57	2705-58	2705-59
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-55	FT MD-16 SW-1 ES (Detection Limits)	Client
2705-56	FT MD-16 SW-1 ES (Conc. Column 1)	
2705-57	FT MD-16 SW-1 ES (Conc. Column 2)	
2705-58	FT MD-16 SW-1 ES (RT. Column 1)	
2705-59	FT MD-16 SW-1 ES (RT. Column 2)	

PARAMETER	2705-55	2705-56	2705-57	2705-58	2705-59
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-55	FT MD-16 SW-1 ES (Detection Limits)	Client
2705-56	FT MD-16 SW-1 ES (Conc. Column 1)	
2705-57	FT MD-16 SW-1 ES (Conc. Column 2)	
2705-58	FT MD-16 SW-1 ES (RT. Column 1)	
2705-59	FT MD-16 SW-1 ES (RT. Column 2)	

PARAMETER	2705-55	2705-56	2705-57	2705-58	2705-59
Aromatic Volatiles (5030/8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor,	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report, number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-50	FT MD-16 SW-2 ES (Detection Limits)	Client
2705-51	FT MD-16 SW-2 ES (Conc. Column 1)	
2705-52	FT MD-16 SW-2 ES (Conc. Column 2)	
2705-53	FT MD-16 SW-2 ES (RT. Column 1)	
2705-54	FT MD-16 SW-2 ES (RT. Column 2)	

PARAMETER	2705-50	2705-51	2705-52	2705-53	2705-54
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.3	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.3	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.3	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.3	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO: 86-2705

Received: 22 OCT 86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-50	FT MD-16 SW-2 ES (Detection Limits)	Client
2705-51	FT MD-16 SW-2 ES (Conc. Column 1)	
2705-52	FT MD-16 SW-2 ES (Conc. Column 2)	
2705-53	FT MD-16 SW-2 ES (RT. Column 1)	
2705-54	FT MD-16 SW-2 ES (RT. Column 2)	

PARAMETER	2705-50	2705-51	2705-52	2705-53	2705-54
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-50	FT MD-16 SW-2 ES (Detection Limits)	Client
2705-51	FT MD-16 SW-2 ES (Conc. Column 1)	
2705-52	FT MD-16 SW-2 ES (Conc. Column 2)	
2705-53	FT MD-16 SW-2 ES (RT. Column 1)	
2705-54	FT MD-16 SW-2 ES (RT. Column 2)	

PARAMETER	2705-50	2705-51	2705-52	2705-53	2705-54
Aromatic Volatiles (5030 8020)					
Benzene, ug l	0.5	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---
Xylene, ug l	1	ND	---	---	---
Dilution factor	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-20	FT MD-16 SW-3 ES (Detection Limits)	Client
2705-21	FT MD-16 SW-3 ES (Conc. Column 1)	
2705-22	FT MD-16 SW-3 ES (Conc. Column 2)	
2705-23	FT MD-16 SW-3 ES (RT. Column 1)	
2705-24	FT MD-16 SW-3 ES (RT. Column 2)	

PARAMETER	2705-20	2705-21	2705-22	2705-23	2705-24
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-20	FT MD-16 SW-3 ES (Detection Limits)	Client
2705-21	FT MD-16 SW-3 ES (Conc. Column 1)	
2705-22	FT MD-16 SW-3 ES (Conc. Column 2)	
2705-23	FT MD-16 SW-3 ES (RT. Column 1)	
2705-24	FT MD-16 SW-3 ES (RT. Column 2)	

PARAMETER	2705-20	2705-21	2705-22	2705-23	2705-24
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2705-20	FT MD-16 SW-3 ES (Detection Limits)	Client
2705-21	FT MD-16 SW-3 ES (Conc. Column 1)	
2705-22	FT MD-16 SW-3 ES (Conc. Column 2)	
2705-23	FT MD-16 SW-3 ES (RT. Column 1)	
2705-24	FT MD-16 SW-3 ES (RT. Column 2)	

PARAMETER	2705-20	2705-21	2705-22	2705-23	2705-24
Aromatic Volatiles (5030 8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor,	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report, number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-40	FT MD-16 SW-4 ES (Detection Limits)	Client
2705-41	FT MD-16 SW-4 ES (Conc. Column 1)	
2705-42	FT MD-16 SW-4 ES (Conc. Column 2)	
2705-43	FT MD-16 SW-4 ES (RT. Column 1)	
2705-44	FT MD-16 SW-4 ES (RT. Column 2)	

PARAMETER	2705-40	2705-41	2705-42	2705-43	2705-44
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.6	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-40	FT MD-16 SW-4 ES (Detection Limits)	Client
2705-41	FT MD-16 SW-4 ES (Conc. Column 1)	
2705-42	FT MD-16 SW-4 ES (Conc. Column 2)	
2705-43	FT MD-16 SW-4 ES (RT. Column 1)	
2705-44	FT MD-16 SW-4 ES (RT. Column 2)	

PARAMETER	2705-40	2705-41	2705-42	2705-43	2705-44
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-40	FT MD-16 SW-4 ES (Detection Limits)	Client
2705-41	FT MD-16 SW-4 ES (Conc. Column 1)	
2705-42	FT MD-16 SW-4 ES (Conc. Column 2)	
2705-43	FT MD-16 SW-4 ES (RT. Column 1)	
2705-44	FT MD-16 SW-4 ES (RT. Column 2)	

PARAMETER	2705-40	2705-41	2705-42	2705-43	2705-44
Aromatic Volatiles (5030 8020)					
Benzene, ug l	0.5	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---
Xylene, ug l	1	ND	---	---	---
Dilution factor,	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-35	FT MD-16 SW-5 ES (Detection Limits)	Client
2705-36	FT MD-16 SW-5 ES (Conc. Column 1)	
2705-37	FT MD-16 SW-5 ES (Conc. Column 2)	
2705-38	FT MD-16 SW-5 ES (RT. Column 1)	
2705-39	FT MD-16 SW-5 ES (RT. Column 2)	

PARAMETER	2705-35	2705-36	2705-37	2705-38	2705-39
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---		---
Carbon Tetrachloride, ug l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	0.6	0.8	12.83	12.91
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-35	FT MD-16 SW-5 ES (Detection Limits)	Client
2705-36	FT MD-16 SW-5 ES (Conc Column 1)	
2705-37	FT MD-16 SW-5 ES (Conc. Column 2)	
2705-38	FT MD-16 SW-5 ES (RT. Column 1)	
2705-39	FT MD-16 SW-5 ES (RT. Column 2)	

PARAMETER	2705-35	2705-36	2705-37	2705-38	2705-39
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-35	FT MD-16 SW-5 ES (Detection Limits)	Client
2705-36	FT MD-16 SW-5 ES (Conc. Column 1)	
2705-37	FT MD-16 SW-5 ES (Conc. Column 2)	
2705-38	FT MD-16 SW-5 ES (RT. Column 1)	
2705-39	FT MD-16 SW-5 ES (RT. Column 2)	

PARAMETER	2705-35	2705-36	2705-37	2705-38	2705-39
Aromatic Volatiles (5030/8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	10.29.86	---	10.29.86

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-45	FT MD-16 SW-6 ES (Detection Limits)	Client
2705-46	FT MD-16 SW-6 ES (Conc. Column 1)	
2705-47	FT MD-16 SW-6 ES (Conc. Column 2)	
2705-48	FT MD-16 SW-6 ES (RT. Column 1)	
2705-49	FT MD-16 SW-6 ES (RT. Column 2)	

PARAMETER	2705-45	2705-46	2705-47	2705-48	2705-49
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.6	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
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2705-46	FT MD-16 SW-6 ES (Conc. Column 1)	
2705-47	FT MD-16 SW-6 ES (Conc. Column 2)	
2705-48	FT MD-16 SW-6 ES (RT. Column 1)	
2705-49	FT MD-16 SW-6 ES (RT. Column 2)	

PARAMETER	2705-45	2705-46	2705-47	2705-48	2705-49
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---

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LOG NO: 86-2705

Received: 22 OCT 86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-45	FT MD-16 SW-6 ES (Detection Limits)	Client
2705-46	FT MD-16 SW-6 ES (Conc. Column 1)	
2705-47	FT MD-16 SW-6 ES (Conc. Column 2)	
2705-48	FT MD-16 SW-6 ES (RT. Column 1)	
2705-49	FT MD-16 SW-6 ES (RT. Column 2)	

PARAMETER	2705-45	2705-46	2705-47	2705-48	2705-49
Aromatic Volatiles (5030 8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor,	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report, number	QCV8	---	---	---	---
Date Collected	10.21.86	---	---	---	---
Date Analyzed	10.23.86	---	---	---	---

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Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-51	DS MD17 SW-3 ES (Detection Limits)	Client
2687-52	DS MD17 SW-3 ES (Conc. Column 1)	
2687-53	DS MD17 SW-3 ES (Conc. Column 2)	
2687-54	DS MD17 SW-3 ES (RT Column 1)	
2687-55	DS MD17 SW-3 ES (RT Column 2)	

PARAMETER	2687-51	2687-52	2687-53	2687-54	2687-55
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2687-51	DS MD17 SW-3 ES (Detection Limits)	Client
2687-52	DS MD17 SW-3 ES (Conc. Column 1)	
2687-53	DS MD17 SW-3 ES (Conc. Column 2)	
2687-54	DS MD17 SW-3 ES (RT Column 1)	
2687-55	DS MD17 SW-3 ES (RT Column 2)	

PARAMETER	2687-51	2687-52	2687-53	2687-54	2687-55
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2687-51	DS MD17 SW-3 ES (Detection Limits)	Client
2687-52	DS MD17 SW-3 ES (Conc. Column 1)	
2687-53	DS MD17 SW-3 ES (Conc. Column 2)	
2687-54	DS MD17 SW-3 ES (RT Column 1)	
2687-55	DS MD17 SW-3 ES (RT Column 2)	

PARAMETER	2687-51	2687-52	2687-53	2687-54	2687-55
Dilution factor.	1	--	---	---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV9	--	--	---	---
Date Collected	10.20.86	--	---	---	---
Date Analyzed	10.23.86	--	---	---	---

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Received: 03 NOV 86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2803-1	AO AP6 SW-1 ES (Detection Limits)	Client
2803-2	AO AP6 SW-1 ES (Conc Column 1)	
2803-3	AO AP6 SW-1 ES (Conc Column 2)	
2803-4	AO AP6 SW-1 ES (RT Column 1)	
2803-5	AO AP6 SW-1 ES (RT Column 2)	

PARAMETER	2803-1	2803-2	2803-3	2803-4	2803-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.6	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.3	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2803-1	AO AP6 SW-1 ES (Detection Limits)	Client
2803-2	AO AP6 SW-1 ES (Conc. Column 1)	
2803-3	AO AP6 SW-1 ES (Conc. Column 2)	
2803-4	AO AP6 SW-1 ES (RT Column 1)	
2803-5	AO AP6 SW-1 ES (RT Column 2)	

PARAMETER	2803-1	2803-2	2803-3	2803-4	2803-5
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (EPA)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2803-1	AO AP6 SW-1 ES (Detection Limits)	Client
2803-2	AO AP6 SW-1 ES (Conc. Column 1)	
2803-3	AO AP6 SW-1 ES (Conc. Column 2)	
2803-4	AO AP6 SW-1 ES (RT Column 1)	
2803-5	AO AP6 SW-1 ES (RT Column 2)	

PARAMETER	2803-1	2803-2	2803-3	2803-4	2803-5
Dilution factor	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report number	QCV11	---	---	---	---
Date Collected	10 30 86	---	---	---	---
Date Analyzed	10.31.86	---	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-6	AO AP6 SW-2 ES (Detection Limits)	Client
2803-7	AO AP6 SW-2 ES (Conc. Column 1)	
2803-8	AO AP6 SW-2 ES (Conc. Column 2)	
2803-9	AO AP6 SW-2 ES (RT Column 1)	
2803-10	AO AP6 SW-2 ES (RT Column 2)	

PARAMETER	2803-6	2803-7	2803-8	2803-9	2803-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1	ND	---	---	---
Bromomethane, ug/l	1	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2803-6	AO AP6 SW-2 ES (Detection Limits)	Client
2803-7	AO AP6 SW-2 ES (Conc. Column 1)	
2803-8	AO AP6 SW-2 ES (Conc. Column 2)	
2803-9	AO AP6 SW-2 ES (RT Column 1)	
2803-10	AO AP6 SW-2 ES (RT Column 2)	

PARAMETER	2803-6	2803-7	2803-8	2803-9	2803-10
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-6	AO AP6 SW-2 ES (Detection Limits)	Client
2803-7	AO AP6 SW-2 ES (Conc. Column 1)	
2803-8	AO AP6 SW-2 ES (Conc. Column 2)	
2803-9	AO AP6 SW-2 ES (RT Column 1)	
2803-10	AO AP6 SW-2 ES (RT Column 2)	

PARAMETER	2803-6	2803-7	2803-8	2803-9	2803-10
Dilution factor	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report number	QCV11	--	---	---	---
Date Collected	[illegible]	---	---	---	---
Date Analyzed	10.31.86	---	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2803-11	AO AP6 SW-3 ES (Detection Limits)	Client
2803-12	AO AP6 SW-3 ES (Conc. Column 1)	
2803-13	AO AP6 SW-3 ES (Conc. Column 2)	
2803-14	AO AP6 SW-3 ES (RT Column 1)	
2803-15	AO AP6 SW-3 ES (RT Column 2)	

PARAMETER		2803-11	2803-12	2803-13	2803-14	2803-15
Purgeable Halocarbons - 601						
Bromodichloromethane,	ug/l	0.4	ND	---	---	---
Bromoform,	ug/l	1	ND	---	---	---
Bromomethane,	ug/l	1	ND	---	---	---
Carbon Tetrachloride,	ug/l	0.3	ND	---	---	---
Chlorobenzene,	ug/l	1	ND	---	---	---
Chloroethane,	ug/l	0.6	ND	---	---	---
2-Chloroethylvinyl Ether,	ug/l	1	ND	---	---	---
Chloroform,	ug/l	0.2	ND	---	---	---
Chloromethane,	ug/l	1	ND	---	---	---
Dibromochloromethane,	ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene,	ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene,	ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene,	ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane	ug/l	1	ND	---	---	---
1,1-Dichloroethane,	ug/l	0.3	ND	---	---	---
1,2-Dichloroethane,	ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene,	ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene,	ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-11	AO AP6 SW-3 ES (Detection Limits)	Client
2803-12	AO AP6 SW-3 ES (Conc. Column 1)	
2803-13	AO AP6 SW-3 ES (Conc. Column 2)	
2803-14	AO AP6 SW-3 ES (RT Column 1)	
2803-15	AO AP6 SW-3 ES (RT Column 2)	

PARAMETER	2803-11	2803-12	2803-13	2803-14	2803-15
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	0.2	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.2	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1	ND	---	---	---
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug/l	1	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Ethylbenzene, ug/l	1	ND	---	---	---
Toluene, ug/l	1	ND	---	---	---

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LOG NO: 86-2803

Received 03 NOV 86

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Project: Macdill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2803-11	AO AP6 SW-3 ES (Detection Limits)	Client
2803-12	AO AP6 SW-3 ES (Conc. Column 1)	
2803-13	AO AP6 SW-3 ES (Conc. Column 2)	
2803-14	AO AP6 SW-3 ES (RT Column 1)	
2803-15	AO AP6 SW-3 ES (RT Column 2)	

PARAMETER	2803-11	2803-12	2803-13	2803-14	2803-15
Dilution factor	1	---	---	---	---
Percent Solids, %	NA	---	---	---	---
QC Report number	QCV11	---	---	---	---
Date Collected	[illegible]	---	---	---	---
Date Analyzed	10.31 86	---	---	---	---

625 Analysis

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LOG NO: 86-2572

Received: 10 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, WATER SAMPLES	SAMPLED BY
2572-56	DK MD3-3	Client
2572-57	DK MD3-1	
2572-58	DK MD3-6	
2572-59	DK MD3-7	
2572-60	PL MD58-5	

PARAMETER	2572-56	2572-57	2572-58	2572-59	2572-60
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	360	250	410	240	500
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-56	DK MD3-3	Client
2572-57	DK MD3-1	
2572-58	DK MD3-6	
2572-59	DK MD3-7	
2572-60	PL MD58-5	

PARAMETER	2572-56	2572-57	2572-58	2572-59	2572-60
2-Chloronaphthalene ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate ug/l	54	ND	54	34	41
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-56	DK MD3-3	Client
2572-57	DK MD3-1	
2572-58	DK MD3-6	
2572-59	DK MD3-7	
2572-60	PL MD58-5	

PARAMETER	2572-56	2572-57	2572-58	2572-59	2572-60
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	-	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - WATER SAMPLES	SAMPLED BY
2572-56	DK MD3-3	Client
2572-57	DK MD3-1	
2572-58	DK MD3-6	
2572-59	DK MD3-7	
2572-60	PL MD58-5	

PARAMETER	2572-56	2572-57	2572-58	2572-59	2572-60
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

LOG NO: 86-2572

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-56	DK MD3-3	Client
2572-57	DK MD3-1	
2572-58	DK MD3-6	
2572-59	DK MD3-7	
2572-60	PL MD58-5	

PARAMETER	2572-56	2572-57	2572-58	2572-59	2572-60
Surrogates - Semivolatiles					
Phenol-5, % Rec	38	39	43	37	39
2-Fluorophenol, % Rec	29	21	25	26	28
2,4,6-Tribromophenol, % Rec	41	53	71	29	62
d-5 Nitrobenzene, % Rec	76	74	98	88	72
2-Fluorobiphenyl, % Rec	95	89	121	103	96
Terphenyl, % Rec	67	65	66	47	79
Dilution factor,	1	1	1	1	1
Date Collected	10.10.86	10.10.86	10.10.86	10.10.86	10.10.86
Date Analyzed	10.1310.24	10 1310.24	10.1310.24	10.1310.24	10.1310.24
Percent Solids,	NA	NA	NA	NA	NA
QC Report,	QCSV6	QCSV6	QCSV6	QCSV6	QCSV6

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-61	DK MD3-2	Client

PARAMETER	2572-61
Base Neutral and Acids (625)	
Acenaphthene, ug/l	ND
Acenaphthylene, ug/l	ND
Anthracene, ug/l	ND
Aldrin, ug/l	ND
Benzo(a)Anthracene, ug l	ND
Benzo(b)fluoranthene, ug/l	ND
Benzo (k) Fluoranthene, ug/l	ND
Benzo(a)pyrene, ug/l	ND
Benzo (g,h,i) Perylene, ug l	ND
Benzyl butyl phthalate, ug l	ND
Beta-BHC, ug/l	ND
Delta-BHC, ug l	ND
Bis (2-Chloroethyl) Ether, ug l	ND
Bis (2-Chloroethoxy) Methane, ug l	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	740
Bis (2-Chloroisopropyl) Ether, ug/l	ND
4-Bromophenyl Phenyl Ether, ug l	ND
Chlordane, ug/l	ND
2-Chloronaphthalene, ug l	ND
4-Chlorophenyl Phenyl Ether, ug l	ND
Chrysene, ug l	ND
4,4'-DDD, ug l	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	WATER SAMPLES	SAMPLED BY
2572-61	DK MD3-2		Client

PARAMETER	2572-61
4,4'-DDE, ug/l	ND
4,4'-DDT, ug/l	ND
Dibenzo (a,h) Anthracene, ug/l	ND
Di-N-Butyl Phthalate, ug/l	67
1,3-Dichlorobenzene, ug/l	ND
1,2-Dichlorobenzene, ug/l	ND
1,4-Dichlorobenzene, ug/l	ND
3,3-Dichlorobenzidine, ug/l	ND
Dieldrin, ug/l	ND
Diethyl Phthalate, ug/l	ND
Dimethyl phthalate, ug/l	ND
2,4-Dinitrotoluene, ug/l	ND
2,6-Dinitrotoluene, ug/l	ND
Di-N-Octyl Phthalate, ug/l	ND
Endosulfan Sulfate, ug/l	ND
Endrin Aldehyde, ug/l	ND
Fluoranthene, ug/l	ND
Fluorene, ug/l	ND
Heptachlor, ug/l	ND
Heptachlor Epoxide, ug/l	ND
Hexachlorobenzene, ug/l	ND
Hexachlorobutadiene, ug/l	ND
Hexachloroethane, ug/l	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-61	DK MD3-2	Client

PARAMETER	2572-61
Indeno (1,2,3-cd) Pyrene, ug/l	ND
Isophorone, ug/l	ND
Naphthalene, ug/l	ND
Nitrobenzene, ug/l	ND
N-Nitrosodi-N-Propylamine, ug/l	ND
PCB-1016, ug/l	ND
PCB-1221, ug/l	ND
PCB-1232, ug/l	ND
PCB-1242, ug/l	ND
PCB-1248, ug/l	ND
PCB-1254, ug/l	ND
PCB-1260, ug/l	ND
Phenanthrene, ug/l	ND
Pyrene, ug/l	ND
Toxaphene, ug/l	ND
1,2,4-Trichlorobenzene, ug/l	ND
4-Chloro-3-methylphenol, ug/l	ND
2-Chlorophenol, ug/l	ND
2,4-Dichlorophenol, ug/l	ND
2,4-Dimethylphenol, ug/l	ND
2,4-Dinitrophenol, ug/l	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND
2-Nitrophenol, ug/l	ND
4-Nitrophenol, ug/l	ND
Pentachlorophenol, ug/l	ND
Phenol, ug/l	ND
2,4,6-Trichlorophenol, ug/l	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2572-61	DK MD3-2	Client

PARAMETER	2572-61
Surrogates - Semivolatiles	
Phenol-5, % Rec	60
2-Fluorophenol, % Rec	33
2,4,6-Tribromophenol, % Rec	47
d-5 Nitrobenzene, % Rec	83
2-Fluorobiphenyl, % Rec	109
Terphenyl, % Rec	70
Percent Solids	NA
Dilution factor,	1
Date Collected	10.10.86
Date Analyzed	10.1310.24
QC Report	QCSV6

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO: 86-2613

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-76	PL MD58-6 GW ES	Client
2613-77	PL MD58-1 GW ES	
2613-78	PL MD58-7 GW OEHL	
2613-79	PL MD58 4 GW ES	
2613-80	PL MD58 3 GW ES	

PARAMETER	2613-76	2613-77	2613-78	2613-79	2613-80
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug l	ND	ND	ND	ND	ND
Anthracene, ug l	ND	ND	ND	ND	ND
Aldrin, ug l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug l	ND	ND	ND	ND	ND
Beta-BHC, ug l	ND	ND	ND	ND	ND
Delta-BHC, ug l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug l	140	110	170	200	270
Bis (2-Chloroisopropyl) Ether, ug l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug l	ND	ND	ND	ND	ND
Chlordane, ug l	ND	ND	ND	ND	ND

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LOG NO: 86-2613

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-76	PI MD58 6 GW ES	Client
2613-77	PL MD58 1 GW ES	
2613-78	PL MD58-7 GW	
2613-79	PL MD58-4 GW ES	
2613-80	PI MD58 3 GW ES	

GROUND WATER SAMPLES

PARAMETER	2613-76	2613-77	2613-78	2613-79	2613-80
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo(a,h)Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	14	17	16	18	15
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4 Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-76	PL MD58-6 GW ES	Client
2613-77	PL MD58-1 GW ES	
2613-78	PL MD58-7 GW	
2613-79	PL MD58-4 GW ES	
2613-80	PL MD58-3 GW ES	

PARAMETER	2613-76	2613-77	2613-78	2613-79	2613-80
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION : GROUND WATER SAMPLES	SAMPLED BY
2613-76	PL MD58 6 GW ES	Client
2613-77	PL MD58-1 GW ES	
2613-78	PL MD58-7 GW	
2613-79	PL MD58-4 GW ES	
2613-80	PL MD58 3 GW ES	

PARAMETER	2613-76	2613-77	2613-78	2613-79	2613-80
PCB-1260, ug l	ND	ND	ND	ND	ND
Phenanthrene, ug l	ND	ND	ND	ND	ND
Pyrene, ug l	ND	ND	ND	ND	ND
Toxaphene, ug l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug l	ND	ND	ND	ND	ND
4-Chloro 3-methylphenol, ug l	ND	ND	ND	ND	ND
2-Chlorophenol, ug l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug l	ND	ND	ND	ND	ND
2-Nitrophenol, ug l	ND	ND	ND	ND	ND
4-Nitrophenol, ug l	ND	ND	ND	ND	ND
Pentachlorophenol, ug l	ND	ND	ND	ND	ND
Phenol, ug l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug l	ND	ND	ND	ND	ND

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LOG NO: 86-2613

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-76	PL MD58-6 GW ES	Client
2613-77	PL MD58-1 GW ES	
2613-78	PL MD58-7 GW	
2613-79	PL MD58-4 GW ES	
2613-80	PL MD58-3 GW ES	

PARAMETER	2613-76	2613-77	2613-78	2613-79	2613-80
Surrogates - Semivolatiles					
Phenol-5, % Rec	42	41	57	31	44
2-Fluorophenol, % Rec	46	42	62	64	68
2,4,6-Tribromophenol, % Rec	38	70	89	93	78
d-5 Nitrobenzene, % Rec	42	69	94	73	80
2-Fluorobiphenyl, % Rec	45	86	99	89	93
Terphenyl, % Rec	41	45	73	56	62
Dilution factor	1	1	1	1	1
Percent Solids %	NA	NA	NA	NA	NA
Date Collected	10.13.86	10.13.86	10.13.86	10.13.86	10.13.86
Date Analyzed*	10.1410.27	10.1410.27	10.1410.27	10.1410.27	10.1410.27
QC Report	QCSV2613	QCSV2613	QCSV2613	QCSV2613	QCSV2613

Methods: EPA 600 4-79-020, SW 846 and 40 CFR Part 136

* First date is date extracted (month, day) and second date is date analyzes (month, day).

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Received: 18 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-26	RL MD9-3 GW ES	Client
2668-27	RL MD9-8 GW	
2668-28	CP MD13-1 GW ES	
2668-29	CP MD13-2 GW ES	
2668-30	CP MD13-3 GW ES	

PARAMETER	2668-26	2668-27	2668-28	2668-29	2668-30
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2668-26	RL MD9-3 GW ES	Client
2668-27	RL MD9-8 GW	
2668-28	CP MD13-1 GW ES	
2668-29	CP MD13-2 GW ES	
2668-30	CP MD13-3 GW ES	

PARAMETER	2668-26	2668-27	2668-28	2668-29	2668-30
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-26	RL MD9-3 GW ES	Client
2668-27	RL MD9-8 GW	
2668-28	CP MD13-1 GW ES	
2668-29	CP MD13-2 GW ES	
2668-30	CP MD13-3 GW ES	

PARAMETER	2668-26	2668-27	2668-28	2668-29	2668-30
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-26	RL MD9-3 GW ES	Client
2668-27	RL MD9-8 GW	
2668-28	CP MD13-1 GW ES	
2668-29	CP MD13-2 GW ES	
2668-30	CP MD13-3 GW ES	

PARAMETER	2668-26	2668-27	2668-28	2668-29	2668-30
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2668-26	RL MD9-3 GW ES	Client
2668-27	RL MD9-8 GW	
2668-28	CP MD13-1 GW ES	
2668-29	CP MD13-2 GW ES	
2668-30	CP MD13-3 GW ES	

PARAMETER	2668-26	2668-27	2668-28	2668-29	2668-30
Dilution factor,	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
Date Collected	10.17.86	10.17.86	10.17.86	10.17.86	10.17.86
Date Analyzed*	10.20/11.8	10.20/11.8	10.20/11.8	10.20/11.8	10.20/11.8
QC Report,	QCMS2668	QCMS2668	QCMS2668	QCMS2668	QCMS2668
Surrogates - Semivolatiles					
Phenol-5, % Rec	27	22	39	22	27
2-Fluorophenol, % Rec	62	51	42	29	29
2,4,6-Tribromophenol, % Rec	104	89	54	46	33
d-5 Nitrobenzene, % Rec	75	67	59	53	47
2-Fluorobiphenyl, % Rec	101	94	81	74	63
Terphenyl, % Rec	64	65	39	35	28

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* First date is date extracted (month.day) and second date is date analyzed (month.day).

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-81	PL MD58-2 GW ES	Client
2613-82	DS MD17-1 GW ES	
2613-83	DS MD17-2 GW ES	
2613-84	RL MD9-6 GW ES	
2613-85	RL MD9-5 GW ES	

PARAMETER	2613-81	2613-82	2613-83	2613-84	2613-85
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene. ug/l	ND	ND	ND	ND	ND
Anthracene. ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene. ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene. ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene. ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene. ug/l	ND	ND	ND	ND	ND
Benzo (g.h.i) Perylene. ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate. ug/l	ND	ND	ND	ND	ND
Beta-BHC. ug/l	ND	ND	ND	ND	ND
Delta-BHC. ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether. ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane. ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate. ug/l	210	130	210	ND	ND
Bis (2-Chloroisopropyl) Ether. ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether. ug/l	ND	ND	ND	ND	ND
Chlordane. ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-81	PL MD58-2 GW ES	Client
2613-82	DS MD17-1 GW ES	
2613-83	DS MD17-2 GW ES	
2613-84	RL MD9-6 GW ES	
2613-85	RL MD9-5 GW ES	

GROUND WATER SAMPLES

PARAMETER	2613-81	2613-82	2613-83	2613-84	2613-85
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	24	ND	25	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-81	PL MD58-2 GW ES	Client
2613-82	DS MD17-1 GW ES	
2613-83	DS MD17-2 GW ES	
2613-84	RL MD9-6 GW ES	
2613-85	RL MD9-5 GW ES	

PARAMETER	2613-81	2613-82	2613-83	2613-84	2613-85
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-81	PL MD58-2 GW ES	Client
2613-82	DS MD17-1 GW ES	
2613-83	DS MD17-2 GW ES	
2613-84	RL MD9-6 GW ES	
2613-85	RL MD9 5 GW ES	

GROUND WATER SAMPLES

PARAMETER	2613-81	2613 82	2613-83	2613-84	2613-85
PCB-1260, ug l	ND	ND	ND	ND	ND
Phenanthrene, ug l	ND	ND	ND	ND	ND
Pyrene, ug l	ND	ND	ND	ND	ND
Toxaphene, ug l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug l	ND	ND	ND	ND	ND
2-Chlorophenol, ug l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug l	ND	ND	ND	ND	ND
2-Nitrophenol, ug l	ND	ND	ND	ND	ND
4-Nitrophenol, ug l	ND	ND	ND	ND	ND
Pentachlorophenol, ug l	ND	ND	ND	ND	ND
Phenol, ug l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug l	ND	ND	ND	ND	ND

LOG NO: 86-2613

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2613-81	PL MD58-2 GW ES	Client
2613-82	DS MD17-1 GW ES	
2613-83	DS MD17-2 GW ES	
2613-84	RL MD9-6 GW ES	
2613-85	RL MD9-5 GW ES	

PARAMETER	2613-81	2613-82	2613-83	2613-84	2613-85
Surrogates - Semivolatiles					
Phenol-5, % Rec	42	46	55	37	37
2-Fluorophenol, % Rec	33	51	45	15	15
2,4,6-Tribromophenol, % Rec	83	67	85	76	72
d-5 Nitrobenzene, % Rec	82	85	104	76	75
2-Fluorobiphenyl, % Rec	97	97	107	93	91
Terphenyl, % Rec	83	68	81	77	94
Dilution factor	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
Date Collected	10.13.86	10.13.86	10.13.86	10.14.86	10.14.86
Date Analyzed *	10.1410.27	10.1410.28	10.1410.28	10.1511.4	10.1511.4
QC Report	QCSV2613	QCSV2613	QCSV2613	QCSV2613	QCSV2613

Methods: EPA 600 4-79-020, SW-846 and 40 CFR Part 136

* First date is date extracted (month,day) and second date is date analyzed (month,day).

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2613-86	RL MD9-7 GW ES	Client
2613-87	RL MD9-2 GW ES	
2613-88	RL MD9-4 GW ES	
2613-89	DS MD17-3 GW ES	
2613-90	DS MD17 4 GW	

PARAMETER	2613-86	2613-87	2613-88	2613-89	2613-90
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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(912) 354-7858

LOG NO: 86-2613

Received: 14 OCT 86

Mr. Mark Guthrie
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2613-86	RL MD9-7 GW ES	Client
2613-87	RL MD9-2 GW ES	
2613-88	RL MD9-4 GW ES	
2613-89	DS MD17-3 GW ES	
2613-90	DS MD17-4 GW	

PARAMETER	2613-86	2613-87	2613-88	2613-89	2613-90
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

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2613-87	RL MD9-2 GW ES	
2613-88	RL MD9-4 GW ES	
2613-89	DS MD17-3 GW ES	
2613-90	DS MD17-4 GW	

PARAMETER	2613-86	2613-87	2613-88	2613-89	2613-90
Endrin Aldehyde, ug l	ND	ND	ND	ND	ND
Fluoranthene, ug l	ND	ND	ND	ND	ND
Fluorene, ug l	ND	ND	ND	ND	ND
Heptachlor, ug l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug l	ND	ND	ND	ND	ND
Hexachloroethane, ug l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug l	ND	ND	ND	ND	ND
Isophorone, ug l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug l	ND	ND	ND	ND	ND

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2613-87	RL MD9-2 GW ES	
2613-88	RL MD9-4 GW ES	
2613-89	DS MD17-3 GW ES	
2613-90	DS MD17-4 GW	

PARAMETER	2613-86	2613-87	2613-88	2613-89	2613-90
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

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2613-86	RL MD9-7 GW ES	Client
2613-87	RL MD9-2 GW ES	
2613-88	RL MD9-4 GW ES	
2613-89	DS MD17-3 GW ES	
2613-90	DS MD17-4 GW	

PARAMETER	2613-86	2613-87	2613-88	2613-89	2613-90
Surrogates - Semivolatiles					
Phenol-5, % Rec	29	37	29	31	43
2-Fluorophenol, % Rec	23	31	21	26	44
2,4,6-Tribromophenol, % Rec	38	86	47	39	37
d-5 Nitrobenzene, % Rec	70	89	71	72	89
2-Fluorobiphenyl, % Rec	93	102	89	90	116
Terphenyl, % Rec	52	53	45	44	76
Dilution factor	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
Date Collected	10.14.86	10.14.86	10.14.86	10.14.86	10.14.86
Date Analyzed*	10.1511.4	10.1510.31	10.1510.31	10.1511.7	10.1511.7
QC Report.	QCSV2613	QCSV2613	QCSV2613	QCSV2613	QCSV2613

Methods: EPA 600 4-79-020, SW-846 and 40 CFR Part 136

* First date is date extracted (month,day) and second date is date analyzed (month,day).

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LOG NO: 86-2785

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-16	AO AP 6-1 GW ES	Client
2785-17	AO AP 6-3 GW ES	
2785-18	AO AP 6-5 GW ES	

PARAMETER	2785-16	2785-17	2785-18
Base Neutral and Acids (625)			
Acenaphthene, ug/l	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND
Anthracene, ug/l	ND	ND	ND
Aldrin, ug/l	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND
Benzo(b)fluoranthene, mg/l	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND
Benzyl butyl phthalate, mg/l	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	25	32	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND
Chlordane, ug/l	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND

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LOG NO: 86-2785

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-16	AO AP 6-1 GW ES	Client
2785-17	AO AP 6-3 GW ES	
2785-18	AO AP 6-5 GW ES	

PARAMETER	2785-16	2785-17	2785-18
Chrysene, ug/l	ND	ND	ND
4.4'-DDD, ug/l	ND	ND	ND
4.4'-DDE, ug/l	ND	ND	ND
4.4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	10	9	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, mg/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-16	AO AP 6-1 GW ES	Client
2785-17	AO AP 6-3 GW ES	
2785-18	AO AP 6-5 GW ES	

PARAMETER	2785-16	2785-17	2785-18
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, mg/l	ND	ND	ND

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Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2785-16	AO AP 6-1 GW ES	Client
2785-17	AO AP 6-3 GW ES	
2785-18	AO AP 6-5 GW ES	

PARAMETER	2785-16	2785-17	2785-18
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Dilution factor,	1	1	1
Percent Solids, %	NA	NA	NA
Date Collected	10.29.86	10.28.86	10.28.86
Date Analyzed	11.3/11.20	11.3/11.21	11.3/11.21
QC Report,	QCSV6	QCSV6	QCSV6

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LOG NO: 86-2764

Received: 29 OCT 86

Mr. Mark Guthrie
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-36	AO AP 6-2 GW ES	Client
2764-37	AO AP 6-4 GW ES	
2764-38	AC AP 7-1 GW ES	
2764-39	AC AP 7-2 GW ES	
2764-40	AC AP 7-3 GW ES	

PARAMETER	2764-36	2764-37	2764-38	2764-39	2764-40
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	26	71
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-36	AO AP 6-2 GW ES	Client
2764-37	AO AP 6-4 GW ES	
2764-38	AC AP 7-1 GW ES	
2764-39	AC AP 7-2 GW ES	
2764-40	AC AP 7-3 GW ES	

PARAMETER	2764-36	2764-37	2764-38	2764-39	2764-40
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	5	5	ND	7	31
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
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2764-37	AO AP 6-4 GW ES	
2764-38	AC AP 7-1 GW ES	
2764-39	AC AP 7-2 GW ES	
2764-40	AC AP 7-3 GW ES	

PARAMETER	2764-36	2764-37	2764-38	2764-39	2764-40
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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LOG NO: 86-2764

Received: 29 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-36	AO AP 6-2 GW ES	Client
2764-37	AO AP 6-4 GW ES	
2764-38	AC AP 7-1 GW ES	
2764-39	AC AP 7-2 GW ES	
2764-40	AC AP 7-3 GW ES	

PARAMETER	2764-36	2764-37	2764-38	2764-39	2764-40
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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LOG NO: 86-2764

Received: 29 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2764-36	AO AP 6-2 GW ES	Client
2764-37	AO AP 6-4 GW ES	
2764-38	AC AP 7-1 GW ES	
2764-39	AC AP 7-2 GW ES	
2764-40	AC AP 7-3 GW ES	

PARAMETER	2764-36	2764-37	2764-38	2764-39	2764-40
Surrogates - Semivolatiles					
Phenol-5, % Rec.	19	30	16	40	31
d-5 Nitrobenzene, % Rec.	50	94	67	108	101
2-Fluorobiphenyl, % Rec.	104	106	95	122	119
Terphenyl, % Rec.	65	57	51	88	106
Dilution factor	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
Date Collected	10.28.86	10.28.86	10.28.86	10.28.86	10.28.86
Date Analyzed*	10.3011.19	10.3011.20	10.3011.20	10.3011.20	10.3011.20
QC Report,	QCSV6	QCSV6	QCSV6	QCSV6	QCSV6

Methods: EPA 600 4-79-020, SW-846 and 40 CFR Part 136

* First date is date extracted (month.day) and second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-41	AC AP 7-4 GW ES	Client
2764-42	AC AP 7-5 GW ES	

PARAMETER	2764-41	2764-42
Base Neutral and Acids (625)		
Acenaphthene, mg/l	ND	ND
Acenaphthylene, ug/l	ND	ND
Anthracene, ug/l	ND	ND
Aldrin, ug/l	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND
Benzo(b)fluoranthene, mg/l	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND
Benzo(a)pyrene, ug/l	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND
Benzyl butyl phthalate, mg/l	ND	ND
Beta-BHC, ug/l	ND	ND
Delta-BHC, ug/l	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	37	26
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND
Chlordane, ug/l	ND	ND
2-Chloronaphthalene, ug/l	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND
Chrysene, ug/l	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-41	AC AP 7-4 GW ES	Client
2764-42	AC AP 7-5 GW ES	

PARAMETER	2764-41	2764-42
4,4'-DDD, ug/l	ND	ND
4,4'-DDE, ug/l	ND	ND
4,4'-DDT, ug/l	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND
Di-N-Butyl Phthalate, ug/l	15	12
1,3-Dichlorobenzene, ug/l	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND
Dieldrin, ug/l	ND	ND
Diethyl Phthalate, ug/l	ND	ND
Dimethyl phthalate, mg/l	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND
Endosulfan Sulfate, ug/l	ND	ND
Endrin Aldehyde, ug/l	ND	ND
Fluoranthene, ug/l	ND	ND
Fluorene, ug/l	ND	ND
Heptachlor, ug/l	ND	ND
Heptachlor Epoxide, ug/l	ND	ND
Hexachlorobenzene, ug/l	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2764-41	AC AP 7-4 GW ES	Client
2764-42	AC AP 7-5 GW ES	

PARAMETER	2764-41	2764-42
Hexachlorobutadiene, ug/l	ND	ND
Hexachloroethane, ug/l	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND
Isophorone, ug/l	ND	ND
Naphthalene, ug/l	ND	ND
Nitrobenzene, ug/l	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND
PCB-1016, ug/l	ND	ND
PCB-1221, ug/l	ND	ND
PCB-1232, ug/l	ND	ND
PCB-1242, ug/l	ND	ND
PCB-1248, ug/l	ND	ND
PCB-1254, ug/l	ND	ND
PCB-1260, ug/l	ND	ND
Phenanthrene, ug/l	ND	ND
Pyrene, ug/l	ND	ND
Toxaphene, ug/l	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND
4-Chloro-3-methylphenol, mg/l	ND	ND
2-Chlorophenol, ug/l	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2764-41	AC AP 7-4 GW ES	Client
2764-42	AC AP 7-5 GW ES	

PARAMETER	2764-41	2764-42
2,4-Dinitrophenol, ug/l	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND
2-Nitrophenol, ug/l	ND	ND
4-Nitrophenol, ug/l	ND	ND
Pentachlorophenol, ug/l	ND	ND
Phenol, ug/l	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND
Surrogates - Semivolatiles		
Phenol-5, % Rec.	41	10
d-5 Nitrobenzene, % Rec.	24	68
2-Fluorobiphenyl, % Rec.	36	90
Terphenyl, % Rec.	20	48
Dilution factor	1	1
Percent Solids, %	NA	NA
Date Collected	10.28.86	10.28.86
Date Analyzed*	10.30|1.20	10.30|1.20
QC Report	QCSR6	QCSR6

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*** First date is date extracted (month.day) and second date is date analyzed (month.day).**

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-81	DS MD17 SW-3 ES	Client
2687-82	DK MD3 SW-2 ES	
2687-83	DK MD3 SW-5 ES	

PARAMETER	2687-81	2687-82	2687-83
Base Neutral and Acids (625)			
Acenaphthene, ug/l	ND	ND	ND
Acenaphthylene, ug l	ND	ND	ND
Anthracene, ug l	ND	ND	ND
Aldrin, ug l	ND	ND	ND
Benzo(a)Anthracene, ug l	ND	ND	ND
Benzo(b)fluoranthene, mg l	ND	ND	ND
Benzo (k) Fluoranthene, ug l	ND	ND	ND
Benzo(a)pyrene, ug l	ND	ND	ND
Benzo (g,h,i) Perylene, ug l	ND	ND	ND
Benzyl butyl phthalate, mg l	ND	ND	ND
Beta-BHC, ug l	ND	ND	ND
Delta-BHC, ug l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug l	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug l	ND	ND	ND
Chlordane, ug l	ND	ND	ND
2-Chloronaphthalene, ug l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug l	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2687-81	DS MD17 SW-3 ES	Client
2687-82	DK MD3 SW-2 ES	
2687-83	DK MD3 SW-5 ES	

PARAMETER	2687-81	2687-82	2687-83
Chrysene, ug/l	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND
4,4 DDE, ug/l	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, mg/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-81	DS MD17 SW-3 ES	Client
2687-82	DK MD3 SW-2 ES	
2687-83	DK MD3 SW-5 ES	

PARAMETER	2687-81	2687-82	2687-83
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, mg/l	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-81	DS MD17 SW-3 ES	Client
2687-82	DK MD3 SW-2 ES	
2687-83	DK MD3 SW-5 ES	

PARAMETER	2687-81	2687-82	2687-83
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Surrogates - Semivolatiles			
Phenol-5, mg/l	52	55	62
2-Fluorophenol, mg/l	51	66	63
2,4 6-Tribromophenol, mg/l	109	68	63
d-5 Nitrobenzene, mg/l	92	77	95
2-Fluorobiphenyl, mg/l	116	101	110
Terphenyl, mg/l	85	57	76

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-81	DS MD17 SW-3 ES	Client
2687-82	DK MD3 SW-2 ES	
2687-83	DK MD3 SW-5 ES	

PARAMETER	2687-81	2687-82	2687-83
Dilution factor,	1	1	1
Percent Solids, %	NA	NA	NA
QC Report, number	QCSV10	QCSV10	QCSV10
Date Collected	10.20.86	10.19.86	10.19.86
Date Analyzed*	10 2411.11	10.2411.12	10.2411.13

* First date is date extracted (month.day) and second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-76	PL MD58 SW-3 ES	Client
2687-77	DK MD3 SW-4 ES	
2687-78	PL MD58 SW-4 ES	
2687-79	DK MD3 SW-1 ES	
2687-80	DK MD3 SW-3 ES	

PARAMETER	2687-76	2687-77	2687-78	2687-79	2687-80
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, mg/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, mg/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	25	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-76	PL MD58 SW-3 ES	Client
2687-77	DK MD3 SW-4 ES	
2687-78	PL MD58 SW-4 ES	
2687-79	DK MD3 SW-1 ES	
2687-80	DK MD3 SW-3 ES	

PARAMETER	2687-76	2687-77	2687-78	2687-79	2687-80
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4.4'-DDE, ug l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a.h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug l	ND	ND	5	ND	ND
1,3-Dichlorobenzene, ug l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, mg/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-76	PL MD58 SW-3 ES	Client
2687-77	DK MD3 SW-4 ES	
2687-78	PL MD58 SW-4 ES	
2687-79	DK MD3 SW-1 ES	
2687-80	DK MD3 SW-3 ES	

PARAMETER	2687-76	2687-77	2687-78	2687-79	2687-80
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-76	PL MD58 SW-3 ES	Client
2687-77	DK MD3 SW-4 ES	
2687-78	PL MD58 SW-4 ES	
2687-79	DK MD3 SW-1 ES	
2687-80	DK MD3 SW-3 ES	

PARAMETER	2687-76	2687-77	2687-78	2687-79	2687-80
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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LOG NO: 86-2687

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-76	PL MD58 SW-3 ES	Client
2687-77	DK MD3 SW-4 ES	
2687-78	PL MD58 SW-4 ES	
2687-79	DK MD3 SW-1 ES	
2687-80	DK MD3 SW-3 ES	

PARAMETER	2687-76	2687-77	2687-78	2687-79	2687-80
Surrogates - Semivolatiles					
Phenol-5, % Rec.	70	60	62	40	45
2-Fluorophenol, % Rec.	64	67	60	38	47
2,4,6-Tribromophenol, % Rec.	91	67	81	33	45
d-5 Nitrobenzene, % Rec.	104	105	87	67	79
2-Fluorobiphenyl, % Rec.	122	120	104	90	106
Terphenyl, % Rec.	83	74	57	36	54
Dilution factor.	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCSV10	QCSV10	QCSV10	QCSV10	QCSV10
Date Collected	10.20.86	10.19.86	10.20.86	10.19.86	10.19.86
Date Analyzed*	10.2311.12	10.2411.13	10.2411.12	10.2411.12	10.2411.12

* First date is date extracted (month.day) and
second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-71	PL MD58 SW-2 ES	Client
2687-72	PL MD58 SW-5 ES	
2687-73	PL MD58 SW-1 ES	
2687-74	RL MD9 SW-2 ES	
2687-75	RL MD9 SW-1 ES	

PARAMETER	2687-71	2687-72	2687-73	2687-74	2687-75
Base Neutral and Acids (625)					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, mg/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, mg/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	23	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2687-71	PL MD58 SW-2 ES	Client
2687-72	PL MD58 SW-5 ES	
2687-73	PL MD58 SW-1 ES	
2687-74	RL MD9 SW-2 ES	
2687-75	RL MD9 SW-1 ES	

PARAMETER	2687-71	2687-72	2687-73	2687-74	2687-75
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	5	4	ND	3	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, mg/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-71	PL MD58 SW-2 ES	Client
2687-72	PL MD58 SW-5 ES	
2687-73	PL MD58 SW-1 ES	
2687-74	RL MD9 SW-2 ES	
2687-75	RL MD9 SW-1 ES	

PARAMETER	2687-71	2687-72	2687-73	2687-74	2687-75
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2687-71	PL MD58 SW-2 ES	Client
2687-72	PL MD58 SW-5 ES	
2687-73	PL MD58 SW-1 ES	
2687-74	RL MD9 SW-2 ES	
2687-75	RL MD9 SW-1 ES	

PARAMETER	2687-71	2687-72	2687-73	2687-74	2687-75
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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2687-71	PL MD58 SW-2 ES	Client
2687-72	PL MD58 SW-5 ES	
2687-73	PL MD58 SW-1 ES	
2687-74	RL MD9 SW-2 ES	
2687-75	RL MD9 SW-1 ES	

PARAMETER	2687-71	2687-72	2687-73	2687-74	2687-75
Surrogates - Semivolatiles					
Phenol-5, mg l	73	65	59	67	29
2-Fluorophenol, mg l	73	64	59	55	28
2,4,6-Tribromophenol, mg l	105	83	83	55	34
d-5 Nitrobenzene, mg l	102	92	85	93	59
2-Fluorobiphenyl, mg l	124	110	108	118	80
Terphenyl, mg l	73	49	55	75	35
Dilution factor,	1	1	1	1	1
Pe cent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCSV10	QCSV10	QCSV10	QCSV10	QCSV10
Date Collected	10.20.86	10.20.86	10.20.86	10.20.86	10.20.86
Date Analyzed*	10.2311.12	10.2311.12	10.2311.12	10.2311.12	10.2311.12

* First date is date extracted (month.day) and
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LOG NO: 86-2705

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-60	CM MD-11 SW-2 ES	Client
2705-61	CM MD-11 SW-3 ES	
2705-62	CM MD-11 SW-1 ES	

PARAMETER	2705-60	2705-61	2705-62
Base Neutral and Acids (625)			
Acenaphthene, ug/l	ND	ND	ND
Acenaphthylene, ug/l	ND	ND	ND
Anthracene, ug/l	ND	ND	ND
Aldrin, ug/l	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND
Chlordane, ug/l	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-60	CM MD-11 SW-2 ES	Client
2705-61	CM MD-11 SW-3 ES	
2705-62	CM MD-11 SW-1 ES	

PARAMETER	2705-60	2705-61	2705-62
Chrysene, ug/l	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-60	CM MD-11 SW-2 ES	Client
2705-61	CM MD-11 SW-3 ES	
2705-62	CM MD-11 SW-1 ES	

PARAMETER	2705-60	2705-61	2705-62
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-60	CM MD-11 SW-2 ES	Client
2705-61	CM MD-11 SW-3 ES	
2705-62	CM MD-11 SW-1 ES	

PARAMETER	2705-60	2705-61	2705-62
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Surrogates - Semivolatiles			
Phenol-5, % Rec.	55	45	60
2-Fluorophenol, % Rec.	66	47	67
2,4,6-Tribromophenol, % Rec.	68	45	67
d-5 Nitrobenzene, % Rec.	77	79	105
2-Fluorobiphenyl, % Rec.	101	106	120
Terphenyl, % Rec.	57	54	74

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LOG NO: 86-2705

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-60	CM MD-11 SW-2 ES	Client
2705-61	CM MD-11 SW-3 ES	
2705-62	CM MD-11 SW-1 ES	

PARAMETER	2705-60	2705-61	2705-62
Dilution factor.	1	1	1
Percent Solids, %	NA	NA	NA
Date Collected	10.21.86	10.21.86	10.21.86
Date Analyzed*	10.2211.17	10.2211.17	10.2211.17
QC Report	QCMS2668	QCMS2668	QCMS2668

* First date is date extracted (month.day) and
second date is date analyzed (month.day).

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LOG NO: 86-2803

Received: 03 NOV 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-16	AO AP6 SW-1 ES	Client
2803-17	AO AP6 SW-2 ES	
2803-18	AO AP6 SW-3 ES	

PARAMETER	2803-16	2803-17	2803-18
Base Neutral and Acids (625)			
Acenaphthene, ug l	ND	ND	ND
Acenaphthylene, ug l	ND	ND	ND
Anthracene, ug l	ND	ND	ND
Aldrin, ug l	ND	ND	ND
Benzo(a)Anthracene, ug l	ND	ND	ND
Benzo(b)fluoranthene, ug l	ND	ND	ND
Benzo (k) Fluoranthene, ug l	ND	ND	ND
Benzo(a)pyrene, ug l	ND	ND	ND
Benzo (g,h,i) Perylene, ug l	ND	ND	ND
Benzyl butyl phthalate, ug l	ND	ND	ND
Beta-BHC, ug l	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug l	ND	ND	ND
Chlordane, ug/l	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-16	AO AP6 SW-1 ES	Client
2803-17	AO AP6 SW-2 ES	
2803-18	AO AP6 SW-3 ES	

PARAMETER	2803-16	2803-17	2803-18
Chrysene, ug/l	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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LOG NO: 86-2803

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-16	AO AP6 SW-1 ES	Client
2803-17	AO AP6 SW-2 ES	
2803-18	AO AP6 SW-3 ES	

PARAMETER	2803-16	2803-17	2803-18
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-16	AO AP6 SW-1 ES	Client
2803-17	AO AP6 SW-2 ES	
2803-18	AO AP6 SW-3 ES	

PARAMETER	2803-16	2803-17	2803-18
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Surrogates - Semivolatiles			
Phenol-5, % Rec.	34	21	44
2-Fluorophenol, % Rec.	48	34	37
2,4,6-Tribromophenol, % Rec.	60	62	66
d-5 Nitrobenzene, % Rec.	48	72	76
2-Fluorobiphenyl, % Rec.	67	96	99
Terphenyl, % Rec.	55	96	82

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LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2803-16	AO AP6 SW-1 ES	Client
2803-17	AO AP6 SW-2 ES	
2803-18	AO AP6 SW-3 ES	

PARAMETER	2803-16	2803-17	2803-18
Dilution factor	1	1	1
Percent Solids, %	NA	NA	NA
Date Collected	10.30.86	10.29.86	10.29.86
Date Analyzed	11.3 11.21	11.3 11.21	11.3 11.21
QC Report	QCSV2803	QCSV2803	QCSV2803

*First date is date extracted (month.day) and second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-1	MDB-1 GW ES (Detection Limits)	Client
2572-2	MDB-1 GW ES (Conc. Column 1)	
2572-3	MDB-1 GW ES (Conc. Column 2)	
2572-4	MDB-1 GW ES (RT Column 1)	
2572-5	MDB-1 GW ES (RT Column 2)	

PARAMETER		2572-1	2572-2	2572-3	2572-4	2572-5
Aromatic Volatiles (5030/8020)						
Benzene, ug/l		0.5	ND	---	---	---
Chlorobenzene, ug/l		1	ND	---	---	---
1.2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1.3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1.4-Dichlorobenzene, ug/l		0.5	ND	---	---	---
Ethylbenzene, ug/l		1	ND	---	---	---
Toluene, ug/l		1	ND	---	---	---
Xylene, ug/l		1	ND	---	---	---
Dilution factor.		1	---	---	---	---
Percent Solids.		NA	---	---	---	---
QC Report.		QCV1	---	---	---	---
Date Collected		10.09.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1.2-Dibromoethane (EDB) 501.2.	ug/l	0.02	ND	NR	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-6	MDB-2 GW ES (Detection Limits)	Client
2572-7	MDB-2 GW ES (Conc. Column 1)	
2572-8	MDB-2 GW ES (Conc. Column 2)	
2572-9	MDB-2 GW ES (RT Column 1)	
2572-10	MDB-2 GW ES (RT Column 2)	

PARAMETER	2572-6	2572-7	2572-8	2572-9	2572-10
Aromatic Volatiles (5030/8020)					
Benzene, ug/l	0.5	0.7	ND	18.63	
Chlorobenzene, ug/l	1	ND	ND	---	
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	---	
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	---	
Ethylbenzene, ug/l	1	12	6.0	28.87	31.85
Toluene, ug/l	1	1.8	ND*	25.13	
Xylene, ug/l	1	1.0	1.0	34.6235.98	32.1 33.6

Dilution factor.	1	---		---	---
Percent Solids.	NA	---	---	---	---
QC Report.	QCV1	---	---	---	---
Date Collected	10.09.86	---	---	---	---
Date Analyzed	10.10.86	---	10.16.86	---	---
1,2-Dibromoethane (EDB) 501.2 ug/l	0.02	ND	NR	---	---

*** Was present at a level below the detection limit (app. 0.5 ug/l).**

502.1 Analysis

(Please note that 502.1 analysis for Site B is located at the bottom of of the 5030/8020 data sheets)

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	GROUND WATER SAMPLES	SAMPLED BY
2572-11	MDB-3 GW ES (Detection Limits)		Client
2572-12	MDB-3 GW ES (Conc. Column 1)		
2572-13	MDB-3 GW ES (Conc. Column 2)		
2572-14	MDB-3 GW ES (RT Column 1)		
2572-15	MDB-3 GW ES (RT Column 2)		

PARAMETER		2572-11	2572-12	2572-13	2572-14	2572-15
Aromatic Volatiles (5030/8020)						
Benzene, ug/l		0.5	ND	---	---	---
Chlorobenzene, ug/l		1	ND	---	---	---
1,2-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l		0.5	ND	---	---	---
Ethylbenzene, ug/l		1	ND	---	---	---
Toluene, ug/l		1	ND	---	---	---
Xylene, ug/l		1	ND	---	---	---
Dilution factor,		1	---	---	---	---
Percent Solids,		NA	---	---	---	---
QC Report,		QCV1	---	---	---	---
Date Collected		10.09.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1,2-Dibromoethane (EDB) 501.2,	ug/l	0.02	ND	NR	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-16	MDB-4 GW ES (Detection Limits)	Client
2572-17	MDB-4 GW ES (Conc. Column 1)	
2572-18	MDB-4 GW ES (Conc. Column 2)	
2572-19	MDB-4 GW ES (RT Column 1)	
2572-20	MDB-4 GW ES (RT Column 2)	

PARAMETER		2572-16	2572-17	2572-18	2572-19	2572-20
Aromatic Volatiles (5030 8020)						
Benzene, ug l		0.5	ND	---	---	---
Chlorobenzene, ug l		1	ND	---	---	---
1,2-Dichlorobenzene, ug l		0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l		0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l		0.5	ND	---	---	---
Ethylbenzene, ug l		1	ND	---	---	---
Toluene, ug l		1	ND	---	---	---
Xylene, ug l		1	ND	---	---	---
Dilution factor,		1	---	---	---	---
Percent Solids,		NA	---	---	---	---
QC Report,		QCV1	---	---	---	---
Date Collected		10.09.86	---	---	---	---
Date Analyzed		10.10.86	---	---	---	---
1,2-Dibromoethane (EDB) 501.2	ug l	0.02	ND	NR	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2572-21	MDB-5 GW (Detection Limits)	Client
2572-22	MDB-5 GW (Conc. Column 1)	
2572-23	MDB-5 GW (Conc. Column 2)	
2572-24	MDB-5 GW (RT Column 1)	
2572-25	MDB-5 GW (RT Column 2)	

PARAMETER	2572-21	2572-22	2572-23	2572-24	2572-25
Aromatic Volatiles (5030/8020)					
Benzene, ug/l	0.5	ND	---	---	---
Chlorobenzene, ug l	1	ND	---	---	---
1,2-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug l	0.5	ND	---	---	---
Ethylbenzene, ug l	1	ND	---	---	---
Toluene, ug l	1	ND	---	---	---
Xylene, ug/l	1	ND	---	---	---
Dilution factor,	1	---	---	---	---
Percent Solids,	NA	---	---	---	---
QC Report,	QCV1	---	---	---	---
Date Collected	10.09.86	---	---	---	---
Date Analyzed	10.10.86	---	---	---	---
1,2-Dibromoethane (EDB) 501.2 ug l 0.02	ND	NR	---	---	---

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LOG NO: 86-2705

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-68	FT MD-16 SW-1 ES	Client

PARAMETER	2705-68
1.2-Dibromoethane (EDB) 501.2. ug/l	<0.02
Dilution factor.	1
Percent Solids. %	NA
Date Collected	10.21.86
Date Analyzed*	10.2211.17
QC Report	QCEDB5

* First date is date extracted (month.day) and
second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2705-63	FT MD-16 SW-3 ES	Client
2705-64	FT MD-16 SW-5 ES	
2705-65	FT MD-16 SW-4 ES	
2705-66	FT MD-16 SW-6 ES	
2705-67	FT MD-16 SW-2 ES	

PARAMETER	2705-63	2705-64	2705-65	2705-66	2705-67
1.2-Dibromoethane (EDB) 501.2. ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Dilution factor.	1	1	1	1	1
Percent Solids. %	NA	NA	NA	NA	NA
Date Collected	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86
Date Analyzed *	10.2211.17	10.2211.17	10.2211.17	10.2211.17	10.2211.7
QC Report	QCEDB5	QCEDB5	QCEDB5	QCEDB5	QCEDB5

* First date is date extracted (month.day) and
second date is date analyzed (month.day).

3550/8270 Analysis

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
Semivolatile Organics (3550/8270)					
1,3-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Hexachloroethane, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, mg/kg dw	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, mg/kg dw	ND	ND	ND	ND	ND
Nitrobenzene, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorobutadiene, mg/kg dw	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Isophorone, mg/kg dw	ND	ND	ND	ND	ND
Naphthalene, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene, mg/kg dw	ND	ND	ND	ND	ND
2-Chloronaphthalene, mg/kg dw	ND	ND	ND	ND	ND
Acenaphthylene, mg/kg dw	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
Acenaphthene, mg/kg dw	ND	ND	ND	ND	ND
Dimethyl Phthalate, mg/kg dw	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, mg/kg dw	ND	ND	ND	ND	ND
Fluorene, mg/kg dw	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, mg/kg dw	ND	ND	ND	ND	ND
Diethyl Phthalate, mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Gamma-BHC, mg/kg dw	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, mg kg dw	ND	ND	ND	ND	ND
Delta-BHC, mg/kg dw	ND	ND	ND	ND	ND
Phenanthrene, mg/kg dw	ND	ND	ND	ND	ND
Anthracene, mg/kg dw	ND	ND	ND	ND	ND
Beta-BHC, mg/kg dw	ND	ND	ND	ND	ND
Heptachlor, mg/kg dw	ND	ND	ND	ND	ND
Alpha-BHC, mg/kg dw	ND	ND	ND	ND	ND
Aldrin, mg/kg dw	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
Dibutyl phthalate, mg/kg dw	ND	ND	ND	ND	ND
Heptachlor Epoxide, mg kg dw	ND	ND	ND	ND	ND
Endosulfan I, mg/kg dw	ND	ND	ND	ND	ND
Fluoranthene mg/kg dw	ND	ND	ND	ND	ND
Dieldrin, mg/kg dw	ND	ND	ND	ND	ND
4.4'-DDE, mg kg dw	ND	ND	ND	ND	ND
Pyrene, mg/kg dw	ND	ND	ND	ND	ND
Endrin, mg kg dw	ND	ND	ND	ND	ND
Endosulfan II, mg/kg dw	ND	ND	ND	ND	ND
4.4'-DDD, mg/kg dw	ND	ND	ND	ND	ND
Benzidine, mg/kg dw	ND	ND	ND	ND	ND
4.4'-DDT, mg/kg dw	ND	ND	ND	ND	ND
Endosulfan Sulfate, mg/kg dw	ND	ND	ND	ND	ND
Endrin Aldehyde, mg kg dw	ND	ND	ND	ND	ND
Butyl Benzyl Phthalate, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, mg/kg dw	ND	ND	ND	ND	ND
Chrysene, mg/kg dw	ND	ND	ND	ND	ND
Benzo(a)Anthracene, mg/kg dw	ND	ND	ND	ND	ND

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(912) 354-7858

LOG NO: 86-2687

Received: 22 OCT 86

Mr. Mark Guthrie
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57 Executive Park South., Suite 590
Atlanta, Georgia 30329

Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD 3 ES	
2687-88	RL MD9 SD-1 ES	

SEDIMENT SAMPLES

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
3,3-Dichlorobenzidine, mg/kg dw	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, mg/kg dw	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, mg/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, mg/kg dw	ND	ND	ND	ND	ND
Benzo(a)pyrene, mg/kg dw	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, mg/kg dw	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, mg/kg dw	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodimethylamine, mg/kg dw	ND	ND	ND	ND	ND
Chlordane, mg/kg dw	ND	ND	ND	ND	ND
Toxaphene, mg/kg dw	ND	ND	ND	ND	ND
PCB-1016, mg/kg dw	ND	ND	ND	ND	ND
PCB-1221, mg/kg dw	ND	ND	ND	ND	ND
PCB-1232, mg/kg dw	ND	ND	ND	ND	ND
PCB-1242, mg/kg dw	ND	ND	ND	ND	ND
PCB-1248, mg/kg dw	ND	ND	ND	ND	ND
PCB-1254, mg/kg dw	ND	ND	ND	ND	ND
PCB-1260, mg/kg dw	ND	ND	ND	ND	ND
2-Chlorophenol, mg/kg dw	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD 1 ES	

SEDIMENT SAMPLES

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
2-Nitrophenol, mg kg dw	ND	ND	ND	ND	ND
Phenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dimethylphenol, mg kg dw	ND	ND	ND	ND	ND
2,4-Dichlorophenol, mg kg dw	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, mg/kg dw	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dinitrophenol, mg/kg dw	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Pentachlorophenol, mg/kg dw	ND	ND	ND	ND	ND
4-Nitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Surrogates - Semivolatiles					
2,4,6-Tribromophenol, % Rec.	76	107	78	57	82
d-5 Nitrobenzene, % Rec.	36	28	99	---	39
2-Fluorobiphenyl, % Rec.	59	28	49	22	76
Terphenyl, % Rec.	70	84	69	48	60
Phenol-5, % Rec.	---	---	---	17	72

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
Dilution factor,	1	1	1	1	1
Percent Solids, %	77	81	80	72	80
QC Report, number	QCSV11	QCSV11	QCSV11	QCSV11	QCSV11
Date Collected	10.19.86	10.19.86	10.19.86	10.19.86	10.20.86
Date Analyzed*	10.2911.15	10.2911.15	10.2711.15	10.2711.15	10.2711.16

* First date is date extracted (month.day) and
second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD-5 ES	

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
Semivolatile Organics (3550 8270)					
1,3-Dichlorobenzene. mg kg dw	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Hexachloroethane. mg kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether. mg kg dw	ND	ND	ND	ND	ND
1,2 Dichlorobenzene. mg kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether. mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine. mg kg dw	ND	ND	ND	ND	ND
Nitrobenzene. mg/kg dw	ND	ND	ND	ND	ND
Hexachlorobutadiene. mg/kg dw	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene. mg/kg dw	ND	ND	ND	ND	ND
Isophorone, mg/kg dw	ND	ND	ND	ND	ND
Naphthalene. mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene. mg/kg dw	ND	ND	ND	ND	ND
2-Chloronaphthalene. mg/kg dw	ND	ND	ND	ND	ND
Acenaphthylene. mg/kg dw	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD-5 ES	

SEDIMENT SAMPLES

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
Acenaphthene, mg/kg dw	ND	ND	ND	ND	ND
Dimethyl Phthalate, mg kg dw	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, mg kg dw	ND	ND	ND	ND	ND
Fluorene, mg/kg dw	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, mg/kg dw	ND	ND	ND	ND	ND
Diethyl Phthalate, mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Gamma-BHC, mg/kg dw	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, mg/kg dw	ND	ND	ND	ND	ND
Delta-BHC, mg/kg dw	ND	ND	ND	ND	ND
Phenanthrene, mg/kg dw	ND	ND	ND	ND	ND
Anthracene, mg/kg dw	ND	ND	ND	ND	ND
Beta-BHC, mg/kg dw	ND	ND	ND	ND	ND
Heptachlor, mg/kg dw	ND	ND	ND	ND	ND
Alpha-BHC, mg/kg dw	ND	ND	ND	ND	ND
Aldrin, mg/kg dw	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION	SEDIMENT SAMPLES	SAMPLED BY
2687-94	DK MD3 SD-7 ES		Client
2687-95	PL MD58 SD-5 ES		
2687-96	DK MD3 SD-6 ES		
2687-97	DK MD3 SD-8		
2687-98	DK MD3 SD-5 ES		

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
Dibutyl phthalate, mg/kg dw	ND	ND	ND	ND	ND
Heptachlor Epoxide, mg kg dw	ND	ND	ND	ND	ND
Endosulfan I, mg/kg dw	ND	ND	ND	ND	ND
Fluoranthene, mg kg dw	ND	ND	ND	ND	ND
Dieldrin, mg kg dw	ND	ND	ND	ND	ND
4,4'-DDE, mg kg dw	ND	ND	ND	ND	ND
Pyrene, mg/kg dw	ND	ND	ND	ND	ND
Endrin, mg/kg dw	ND	ND	ND	ND	ND
Endosulfan II, mg/kg dw	ND	ND	ND	ND	ND
4,4'-DDD, mg kg dw	ND	ND	ND	ND	ND
Benzidine, mg kg dw	ND	ND	ND	ND	ND
4,4'-DDT, mg/kg dw	ND	ND	ND	ND	ND
Endosulfan Sulfate, mg kg dw	ND	ND	ND	ND	ND
Endrin Aldenyde, mg kg dw	ND	ND	ND	ND	ND
Butyl Benzyl Phthalate, mg kg dw	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, mg kg dw	ND	ND	ND	ND	ND
Chrysene, mg/kg dw	ND	ND	ND	ND	ND
Benzo(a)Anthracene, mg kg dw	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD 5 ES	

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
3.3-Dichlorobenzidine. mg kg dw	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate. mg kg dw	ND	ND	ND	ND	ND
Benzo(b)fluoranthene. mg/kg dw	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene. mg kg dw	ND	ND	ND	ND	ND
Benzo(a)pyrene. mg kg dw	ND	ND	ND	ND	ND
Indeno (1.2.3-cd) Pyrene. mg kg dw	ND	ND	ND	ND	ND
Dibenzo (a.h) Anthracene. mg kg dw	ND	ND	ND	ND	ND
Benzo (g.h.i) Perylene. mg kg dw	ND	ND	ND	ND	ND
N-Nitrosodimethylamine. mg kg dw	ND	ND	ND	ND	ND
Chlordane. mg kg dw	ND	ND	ND	ND	ND
Toxaphene. mg kg dw	ND	ND	ND	ND	ND
PCB-1016. mg/kg dw	ND	ND	ND	ND	ND
PCB-1221. mg/kg dw	ND	ND	ND	ND	ND
PCB-1232. mg/kg dw	ND	ND	ND	ND	ND
PCB-1242. mg/kg dw	ND	ND	ND	ND	ND
PCB-1248. mg/kg dw	ND	ND	ND	ND	ND
PCB-1254. mg/kg dw	ND	ND	ND	ND	ND
PCB-1260. mg/kg dw	ND	ND	ND	ND	ND
2-Chlorophenol. mg kg dw	ND	ND	ND	ND	ND

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2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD-5 ES	

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
2-Nitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Phenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dimethylphenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dichlorophenol, mg/kg dw	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, mg kg dw	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dinitrophenol, mg kg dw	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg l	ND	ND	ND	ND	ND
Pentachlorophenol, mg/kg dw	ND	ND	ND	ND	ND
4-Nitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Surrogates - Semivolatiles					
Phenol-5, % Rec.	58	84	43	44	---
2,4,6-Tribromophenol, % Rec.	56	94	49	37	110
d-5 Nitrobenzene, % Rec.	62	86	36	51	---
2-Fluorobiphenyl, % Rec.	97	109	75	77	81
Terphenyl, % Rec.	42	79	70	53	70

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2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD-5 ES	

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
Dilution factor.	1	1	1	1	1
Percent Solids, %	82	68	88	73	76
QC Report, number	QCSV11	QCSV11	QCSV11	QCSV11	QCSV11
Date Collected	10.20.86	10.20.86	10.20.86	10.19.86	10.19.86
Date Analyzed *	10.2811.16	10.2811.14	10.2711.15	10.2711.16	10.2711.15

* First date is date extracted (month.day) and second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
Semivolatile Organics (3550/8270)					
1,3-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Hexachloroethane, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, mg/kg dw	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, mg/kg dw	ND	ND	ND	ND	ND
Nitrobenzene, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorobutadiene, mg/kg dw	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, mg/kg dw	ND	ND	ND	ND	ND
Isophorone, mg/kg dw	ND	ND	ND	ND	ND
Naphthalene, mg/kg dw	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene, mg/kg dw	ND	ND	ND	ND	ND
2-Chloronaphthalene, mg/kg dw	ND	ND	ND	ND	ND
Acenaphthylene, mg/kg dw	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RI MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PI MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
Acenaphthene, mg/kg dw	ND	ND	ND	ND	ND
Dimethyl Phthalate, mg kg dw	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, mg kg dw	ND	ND	ND	ND	ND
Fluorene, mg kg dw	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, mg kg dw	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, mg kg dw	ND	ND	ND	ND	ND
Diethyl Phthalate, mg kg dw	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine, mg/kg dw	ND	ND	ND	ND	ND
Hexachlorobenzene, mg kg dw	ND	ND	ND	ND	ND
Gamma-BHC, mg kg dw	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, mg kg dw	ND	ND	ND	ND	ND
Delta-BHC, mg kg dw	ND	ND	ND	ND	ND
Phenanthrene, mg kg dw	ND	ND	ND	ND	ND
Anthracene, mg kg dw	ND	ND	ND	ND	ND
Beta-BHC, mg kg dw	ND	ND	ND	ND	ND
Heptachlor, mg kg dw	ND	ND	ND	ND	ND
Alpha-BHC, mg kg dw	ND	ND	ND	ND	ND
Aldrin, mg kg dw	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD 2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

SEDIMENT SAMPLES

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
Dibutyl phthalate, mg/kg dw	ND	ND	ND	ND	ND
Heptachlor Epoxide, mg kg dw	ND	ND	ND	ND	ND
Endosulfan I, mg/kg dw	ND	ND	ND	ND	ND
Fluoranthene, mg kg dw	ND	ND	ND	ND	ND
Dieldrin, mg/kg dw	ND	ND	ND	ND	ND
4,4'-DDE, mg kg dw	ND	ND	ND	ND	ND
Pyrene, mg/kg dw	ND	ND	ND	ND	ND
Endrin, mg/kg dw	ND	ND	ND	ND	ND
Endosulfan II, mg/kg dw	ND	ND	ND	ND	ND
4,4'-DDD, mg/kg dw	ND	ND	ND	ND	ND
Benzidine, mg kg dw	ND	ND	ND	ND	ND
4,4'-DDT, mg kg dw	ND	ND	ND	ND	ND
Endosulfan Sulfate, mg kg dw	ND	ND	ND	ND	ND
Endrin Aldehyde, mg kg dw	ND	ND	ND	ND	ND
Butyl Benzyl Phthalate, mg kg dw	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, mg/kg dw	ND	ND	ND	ND	ND
Chrysene, mg/kg dw	ND	ND	ND	ND	ND
Benzo(a)Anthracene, mg kg dw	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD 2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
3.3-Dichlorobenzidine, mg/kg dw	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, mg/kg dw	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, mg/kg dw	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, mg/kg dw	ND	ND	ND	ND	ND
Benzo(a)pyrene, mg/kg dw	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, mg/kg dw	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, mg/kg dw	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, mg/kg dw	ND	ND	ND	ND	ND
N-Nitrosodimethylamine, mg/kg dw	ND	ND	ND	ND	ND
Chlordane, mg/kg dw	ND	ND	ND	ND	ND
Toxaphene, mg/kg dw	ND	ND	ND	ND	ND
PCB-1016, mg/kg dw	ND	ND	ND	ND	ND
PCB-1221, mg/kg dw	ND	ND	ND	ND	ND
PCB-1232, mg/kg dw	ND	ND	ND	ND	ND
PCB-1242, mg/kg dw	ND	ND	ND	ND	ND
PCB-1248, mg/kg dw	ND	ND	ND	ND	ND
PCB-1254, mg/kg dw	ND	ND	ND	ND	ND
PCB-1260, mg/kg dw	ND	ND	ND	ND	ND
2-Chlorophenol, mg/kg dw	ND	ND	ND	ND	ND

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LOG NO: 86-2687

Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
2-Nitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Phenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dimethylphenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dichlorophenol, mg/kg dw	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, mg/kg dw	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/kg dw	ND	ND	ND	ND	ND
2,4-Dinitrophenol, mg/kg dw	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Pentachlorophenol, mg/kg dw	ND	ND	ND	ND	ND
4-Nitrophenol, mg/kg dw	ND	ND	ND	ND	ND
Surrogates - Semivolatiles					
Phenol-5, % Rec.	42	86	74	44	71
d-5 Nitrobenzene % Rec.	47	74	18	23	64
2-Fluorobiphenyl, % Rec.	78	102	53	44	101
2,4,6-Tribromophenol % Rec.	---	67	49	69	96
Terphenyl, % Rec.	---	45	40	76	113

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
Dilution factor.	10	1	1	1	1
Percent Solids, %	71	71	77	83	78
QC Report. number	QCVS11	QCVS11	QCSV11	QCSV11	QCSV11
Date Collected	10.20.86	10.20.86	10.20.86	10.20.86	10.20.86
Date Analyzed *	10.2311.16	10.2311.17	10.2711.16	10.2711.17	10.2711.17

* First date is date extracted (month.day) and
second date is date analyzed (month.day).

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-102	PL MD58 SD-3 ES	Client

PARAMETER	2687-102
Semivolatile Organics (3550 8270)	
1,3-Dichlorobenzene, mg kg dw	ND
1,4-Dichlorobenzene, mg kg dw	ND
Hexachloroethane, mg/kg dw	ND
Bis (2-Chloroethyl) Ether, mg kg dw	ND
1,2-Dichlorobenzene, mg kg dw	ND
Bis (2-Chloroisopropyl) Ether, mg/kg dw	ND
N-Nitrosodi-N-Propylamine, mg/kg dw	ND
Nitrobenzene, mg kg dw	ND
Hexachlorobutadiene, mg kg dw	ND
1,2,4-Trichlorobenzene, mg kg dw	ND
Isophorone, mg/kg dw	ND
Naphthalene, mg/kg dw	ND
Bis (2-Chloroethoxy) Methane, mg kg dw	ND
Hexachlorocyclopentadiene, mg/kg dw	ND
2-Chloronaphthalene, mg/kg dw	ND
Acenaphthylene, mg/kg dw	ND
3, mg/kg dw	ND
Dimethyl Phthalate, mg/kg dw	ND
2,6-Dinitrotoluene, mg/kg dw	ND
Fluorene, mg/kg dw	ND
4-Chlorophenyl Phenyl Ether, mg kg dw	ND
2,4-Dinitrotoluene, mg/kg dw	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-102	PL MD58 SD-3 ES	Client

PARAMETER	2687-102
Diethyl Phthalate, mg kg dw	ND
3, mg/kg dw	ND
Hexachlorobenzene, mg kg dw	ND
Gamma-BHC, mg/kg dw	ND
4-Bromophenyl Phenyl Ether, mg kg dw	ND
Delta-BHC, mg/kg dw	ND
Phenanthrene, mg/kg dw	ND
Anthracene, mg/kg dw	ND
Beta-BHC, mg kg dw	ND
Heptachlor, mg/kg dw	ND
Alpha-BHC, mg/kg dw	ND
Aldrin, mg/kg dw	ND
Dibutyl phthalate, mg/kg dw	ND
Heptachlor Epoxide, mg/kg dw	ND
Endosulfan I, mg/kg dw	ND
Fluoranthene, mg/kg dw	ND
Dieldrin, mg/kg dw	ND
4,4'-DDE, mg/kg dw	ND
Pyrene, mg/kg dw	ND
Endrin, mg/kg dw	ND
Endosulfan II, mg/kg dw	ND
4,4'-DDD, mg/kg dw	ND
Benzidine, mg/kg dw	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-102	PL MD58 SD-3 FS	Client

PARAMETER	2687-102
4,4'-DDT, mg kg dw	ND
Endosulfan Sulfate, mg/kg dw	ND
Endrin Aldehyde, mg/kg dw	ND
Butyl Benzyl Phthalate, mg/kg dw	ND
Bis (2-Ethylhexyl) Phthalate, mg kg dw	ND
Chrysene, mg/kg dw	ND
Benzo(a)Anthracene, mg kg dw	ND
3,3-Dichlorobenzidine, mg/kg dw	ND
Di-N-Octyl Phthalate, mg/kg dw	ND
Benzo(b)fluoranthene, mg/kg dw	ND
Benzo (k) Fluoranthene, mg/kg dw	ND
Benzo(a)pyrene, mg/kg dw	ND
Indeno (1,2,3-cd) Pyrene, mg kg dw	ND
Dibenzo (a,h) Anthracene, mg kg dw	ND
Benzo (g,h,i) Perylene, mg kg dw	ND
N-Nitrosodimethylamine, mg kg dw	ND
Chlordane, mg/kg dw	ND
Toxaphene, mg/kg dw	ND
PCB-1016, mg/kg dw	ND
PCB-1221, mg/kg dw	ND
PCB-1232, mg/kg dw	ND
PCB-1242, mg/kg dw	ND
PCB-1248, mg/kg dw	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-102	PL MD58 SD-3 ES	Client

PARAMETER	2687-102
PCB-1254, mg/kg dw	ND
PCB-1260, mg/kg dw	ND
2-Chlorophenol, mg kg dw	ND
2-Nitrophenol, mg kg dw	ND
Phenol, mg/kg dw	ND
2,4-Dimethylphenol, mg kg dw	ND
2,4-Dichlorophenol, mg kg dw	ND
2,4,6-Trichlorophenol, mg/kg dw	ND
4-Chloro-3-methylphenol, mg/kg dw	ND
2,4-Dinitrophenol, mg/kg dw	ND
2-Methyl-4,6-dinitrophenol, mg/kg dw	ND
Pentachlorophenol, mg kg dw	ND
4-Nitrophenol, mg/kg dw	ND
Dilution factor,	1
Percent Solids, %	80
QC Report, number	QCSV11
Date Collected	10.20.86
Date Analyzed	10.27 11.14

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-102	PL MD58 SD-3 ES	Client

PARAMETER	2687-102
Surrogates - Semivolatiles	
Phenol-5, % Rec.	45
d-5 Nitrobenzene, % Rec.	92
2-Fluorobiphenyl, % Rec.	121
Terphenyl, % Rec.	80

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-99	PL MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
Semivolatile Organics (3550 8270)		
1,3-Dichlorobenzene, mg kg dw	ND	ND
1,4-Dichlorobenzene, mg kg dw	ND	ND
Hexachloroethane, mg kg dw	ND	ND
Bis (2-Chloroethyl) Ether, mg kg dw	ND	ND
1,2-Dichlorobenzene, mg kg dw	ND	ND
Bis (2-Chloroisopropyl) Ether, mg kg dw	ND	ND
N-Nitrosodi-N-Propylamine mg kg dw	ND	ND
Nitrobenzene, mg kg dw	ND	ND
Hexachlorobutadiene, mg kg dw	ND	ND
1,2,4-Trichlorobenzene, mg kg dw	ND	ND
Isophorone, mg kg dw	ND	ND
Naphthalene, mg kg dw	ND	ND
Bis (2-Chloroethoxy) Methane, mg kg dw	ND	ND
Hexachlorocyclopentadiene, mg kg dw	ND	ND
2-Chloronaphthalene, mg kg dw	ND	ND
Acenaphthylene, mg kg dw	ND	ND
Acenaphthene, mg/kg dw	ND	ND
Dimethyl Phthalate, mg kg dw	ND	ND
2,6-Dinitrotoluene mg kg dw	ND	ND
Fluorene, mg kg dw	ND	ND
4-Chlorophenyl Phenyl Ether, mg kg dw	ND	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-99	PI MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
2,4-Dinitrotoluene, mg kg dw	ND	ND
Diethyl Phthalate, mg kg dw	ND	ND
N-Nitrosodiphenylamine, mg/kg dw	ND	ND
Hexachlorobenzene, mg kg dw	ND	ND
Gamma-BHC, mg kg dw	ND	ND
4-Bromophenyl Phenyl Ether, mg kg dw	ND	ND
Delta-BHC, mg/kg dw	ND	ND
Phenanthrene, mg kg dw	ND	ND
Anthracene, mg/kg dw	ND	ND
Beta-BHC, mg kg dw	ND	ND
Heptachlor, mg kg dw	ND	ND
Alpha-BHC, mg kg dw	ND	ND
Aldrin, mg kg dw	ND	ND
Dibutyl phthalate, mg/kg dw	ND	ND
Heptachlor Epoxide, mg kg dw	ND	ND
Endosulfan I, mg/kg dw	ND	ND
Fluoranthene, mg kg dw	ND	ND
Dieldrin, mg kg dw	ND	ND
4,4'-DDE, mg kg dw	ND	ND
Pyrene, mg/kg dw	ND	ND
Endrin, mg kg dw	ND	ND
Endosulfan II, mg/kg dw	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-99	PL MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
4,4'-DDD, mg/kg dw	ND	ND
Benzidine, mg kg dw	ND	ND
4,4'-DDT, mg/kg dw	ND	ND
Endosulfan Sulfate, mg kg dw	ND	ND
Endrin Aldehyde, mg/kg dw	ND	ND
Butyl Benzyl Phthalate, mg kg dw	ND	ND
Bis (2-Ethylhexyl) Phthalate, mg kg dw	ND	ND
Chrysene, mg/kg dw	ND	ND
Benzo(a)Anthracene, mg kg dw	ND	ND
3,3-Dichlorobenzidine, mg kg dw	ND	ND
Di-N-Octyl Phthalate, mg/kg dw	ND	ND
Benzo(b)fluoranthene, mg/kg dw	ND	ND
Benzo (k) Fluoranthene, mg kg dw	ND	ND
Benzo(a)pyrene, mg kg dw	ND	ND
Indeno (1,2,3-cd) Pyrene, mg kg dw	ND	ND
Dibenzo (a,h) Anthracene, mg kg dw	ND	ND
Benzo (g,h,i) Perylene, mg kg dw	ND	ND
N-Nitrosodimethylamine, mg kg dw	ND	ND
Chlordane, mg kg dw	ND	ND
Toxaphene, mg kg dw	ND	ND
PCB-1016, mg kg dw	ND	ND
PCB-1221, mg kg dw	ND	ND

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LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-99	PL MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
PCB-1232, mg/kg dw	ND	ND
PCB-1242, mg/kg dw	ND	ND
PCB-1248, mg/kg dw	ND	ND
PCB-1254, mg kg dw	ND	ND
PCB-1260, mg kg dw	ND	ND
2-Chlorophenol, mg kg dw	ND	ND
2-Nitrophenol, mg kg dw	ND	ND
Phenol, mg kg dw	ND	ND
2,4-Dimethylphenol, mg kg dw	ND	ND
2,4-Dichlorophenol, mg kg dw	ND	ND
2,4,6-Trichlorophenol, mg kg dw	ND	ND
4-Chloro-3-methylphenol, mg/kg dw	ND	ND
2,4-Dinitrophenol, mg kg dw	ND	ND
2-Methyl-4,6-dinitrophenol, mg/kg dw	ND	ND
Pentachlorophenol, mg kg dw	ND	ND
4-Nitrophenol, mg kg dw	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SEDIMENT SAMPLES	SAMPLED BY
2687-99	PL MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
Surrogates - Semivolatiles		
Phenol-5, % Rec.	62	86
2,4,6-Tribromophenol, % Rec.	66	77
d-5 Nitrobenzene, % Rec.	84	74
2-Fluorobiphenyl, % Rec.	114	102
Terphenyl, % Rec.	75	45
Dilution factor.	1	1
Percent Solids.	71	71
QC Report.	QCSV11	QCSV11
Date Collected	10.20.86	10.20.86
Date Analyzed	10.2811.14	10.2811.14

* First date is date extracted (month.day) and second date is date analyzed.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-1	CM MD-11 SD-2 ES	Client
2705-2	DS MD-17 SD-4	
2705-3	CM MD-11 SD-3 ES	
2705-4	CM MD-11 SD-1 ES	

PARAMETER	2705-1	2705-2	2705-3	2705-4
Semivolatile Organics (3550/8270)				
1,3-Dichlorobenzene, mg/kg	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg	ND	ND	ND	ND
Hexachloroethane, mg/kg	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, mg/kg	ND	ND	ND	ND
1,2-Dichlorobenzene, mg/kg	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, mg/kg	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, mg/kg	ND	ND	ND	ND
Nitrobenzene, mg/kg	ND	ND	ND	ND
Hexachlorobutadiene, mg/kg	ND	ND	ND	ND
1,2,4-Trichlorobenzene, mg/kg	ND	ND	ND	ND
Isophorone, mg/kg	ND	ND	ND	ND
Naphthalene, mg/kg	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, mg/kg	ND	ND	ND	ND
Hexachlorocyclopentadiene, mg/kg	ND	ND	ND	ND
2-Chloronaphthalene, mg/kg	ND	ND	ND	ND
Acenaphthylene, mg/kg	ND	ND	ND	ND
Acenaphthene, mg/kg	ND	ND	ND	ND
Dimethyl Phthalate, mg/kg	ND	ND	ND	ND
2,6-Dinitrotoluene, mg/kg	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-1	CM MD-11 SD-2 ES	Client
2705-2	DS MD-17 SD-4	
2705-3	CM MD-11 SD-3 ES	
2705-4	CM MD-11 SD-1 ES	

PARAMETER	2705-1	2705-2	2705-3	2705-4
Fluorene, mg/kg	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, mg/kg	ND	ND	ND	ND
2,4-Dinitrotoluene, mg/kg	ND	ND	ND	ND
Diethyl Phthalate, mg/kg	ND	ND	ND	ND
N-Nitrosodiphenylamine, mg/kg	ND	ND	ND	ND
Hexachlorobenzene, mg/kg	ND	ND	ND	ND
Gamma-BHC, mg/kg	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, mg/kg	ND	ND	ND	ND
Delta-BHC, mg/kg	ND	ND	ND	ND
Phenanthrene, mg/kg	ND	ND	ND	ND
Anthracene, mg/kg	ND	ND	ND	ND
Beta-BHC, mg/kg	ND	ND	ND	ND
Heptachlor, mg/kg	ND	ND	ND	ND
Alpha-BHC, mg/kg	ND	ND	ND	ND
Aldrin, mg/kg	ND	ND	ND	ND
Dibutyl phthalate, mg/kg	0.43	ND	ND	ND
Heptachlor Epoxide, mg/kg	ND	ND	ND	ND
Endosulfan I, mg/kg	ND	ND	ND	ND
Fluoranthene, mg/kg	ND	ND	ND	ND
Dieldrin, mg/kg	ND	ND	ND	ND

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LOG NO: 86-2705

Received: 22 OCT 86

Mr. Mark Guthrie
Engineering-Science
57 Executive Park South., Suite 590
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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-1	CM MD-11 SD-2 ES	Client
2705-2	DS MD-17 SD-4	
2705-3	CM MD-11 SD-3 ES	
2705-4	CM MD-11 SD-1 ES	

PARAMETER	2705-1	2705-2	2705-3	2705-4
4,4'-DDE, mg/kg	ND	ND	ND	ND
Pyrene, mg/kg	ND	0.58	ND	ND
Endrin, mg/kg	ND	ND	ND	ND
Endosulfan II, mg/kg	ND	ND	ND	ND
4,4'-DDD, mg/kg	ND	ND	ND	ND
Benzidine, mg/kg	ND	ND	ND	ND
4,4'-DDT, mg/kg	ND	ND	ND	ND
Endosulfan Sulfate, mg/kg	ND	ND	ND	ND
Endrin Aldehyde, mg/kg	ND	ND	ND	ND
Butyl Benzyl Phthalate, mg/kg	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, mg/kg	ND	0.69	ND	0.55
Chrysene, mg/kg	ND	ND	ND	ND
Benzo(a)Anthracene, mg/kg	ND	ND	ND	ND
3,3-Dichlorobenzidine, mg/kg	ND	ND	ND	ND
Di-N-Octyl Phthalate, mg/kg	ND	ND	ND	ND
Benzo(b)fluoranthene, mg/kg	ND	ND	ND	ND
Benzo (k) Fluoranthene, mg/kg	ND	ND	ND	ND
Benzo(a)pyrene, mg/kg	ND	ND	ND	ND
Indeno (1.2.3-cd) Pyrene, mg/kg	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, mg/kg	ND	ND	ND	ND

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SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.

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LOG NO: 86-2705

Received: 22 OCT 86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-1	CM MD-11 SD-2 ES	Client
2705-2	DS MD-17 SD-4	
2705-3	CM MD-11 SD-3 ES	
2705-4	CM MD-11 SD-1 ES	

PARAMETER	2705-1	2705-2	2705-3	2705-4
Benzo (g,h,i) Perylene, mg/kg	ND	ND	ND	ND
N-Nitrosodimethylamine, mg/kg	ND	ND	ND	ND
Chlordane, mg/kg	ND	ND	ND	ND
Toxaphene, mg/kg	ND	ND	ND	ND
PCB-1016, mg/kg	ND	ND	ND	ND
PCB-1221, mg/kg	ND	ND	ND	ND
PCB-1232, mg/kg	ND	ND	ND	ND
PCB-1242, mg/kg	ND	ND	ND	ND
PCB-1248, mg/kg	ND	ND	ND	ND
PCB-1254, mg/kg	ND	ND	ND	ND
PCB-1260, mg/kg	ND	ND	ND	ND
2-Chlorophenol, mg/kg	ND	ND	ND	ND
2-Nitrophenol, mg/kg	ND	ND	ND	ND
Phenol, mg/kg	ND	ND	ND	ND
2,4-Dimethylphenol, mg/kg	ND	ND	ND	ND
2,4-Dichlorophenol, mg/kg	ND	ND	ND	ND
2,4,6-Trichlorophenol, mg/kg	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg/kg	ND	ND	ND	ND
2,4-Dinitrophenol, mg/kg	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg/kg	ND	ND	ND	ND
Pentachlorophenol, mg/kg	ND	ND	ND	ND
4-Nitrophenol, mg/kg	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-1	CM MD-11 SD-2 ES	Client
2705-2	DS MD-17 SD-4	
2705-3	CM MD-11 SD-3 ES	
2705-4	CM MD-11 SD-1 ES	

PARAMETER	2705-1	2705-2	2705-3	2705-4
Surrogates - Semivolatiles				
2,4,6-Tribromophenol, mg/kg	139	125	25	109
Terphenyl, mg/kg	95	74	73	78
	---	---	---	---
Dilution factor,	1	1	1	1
Percent Solids, %	88	75	55	88
Date Collected	10.21.86	10.20.86	10.21.86	10.21.86
Date Analyzed *	10.2711.17	10.2711.18	10.2711.18	10.2711.17
QC Report	QCMS2705	QCMS2705	QCMS2705	QCMS2705

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LOG NO: 86-2803

Received: 03 NOV 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2803-19	AO AP6 SD-1 ES	Client
2803-20	AO AP6 SD-2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD-4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
Semivolatile Organics (3550 8270)				
1,3-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND
Hexachloroethane, mg/kg dw	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, mg/kg dw	ND	ND	ND	ND
1,2-Dichlorobenzene, mg/kg dw	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, mg/kg dw	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, mg/kg dw	ND	ND	ND	ND
Nitrobenzene, mg/kg dw	ND	ND	ND	ND
Hexachlorobutadiene, mg/kg dw	ND	ND	ND	ND
1,2,4-Trichlorobenzene, mg/kg dw	ND	ND	ND	ND
Isophorone, mg/kg dw	ND	ND	ND	ND
Naphthalene, mg/kg dw	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, mg/kg dw	ND	ND	ND	ND
Hexachlorocyclopentadiene, mg/kg dw	ND	ND	ND	ND
2-Chloronaphthalene, mg/kg dw	ND	ND	ND	ND
Acenaphthylene, mg/kg dw	ND	ND	ND	ND
Acenaphthene, mg/kg dw	ND	ND	ND	ND
Dimethyl Phthalate, mg/kg dw	ND	ND	ND	ND
2,6-Dinitrotoluene, mg/kg dw	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2803-19	AO AP6 SD-1 ES	Client
2803-20	AO AP6 SD-2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD-4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
Fluorene, mg/kg dw	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, mg/kg dw	ND	ND	ND	ND
2,4-Dinitrotoluene, mg/kg dw	ND	ND	ND	ND
Diethyl Phthalate, mg/kg dw	ND	ND	ND	ND
N-Nitrosodiphenylamine, mg/kg dw	ND	ND	ND	ND
Hexachlorobenzene, mg/kg dw	ND	ND	ND	ND
Gamma-BHC, mg/kg dw	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, mg/kg dw	ND	ND	ND	ND
Delta-BHC, mg/kg dw	ND	ND	ND	ND
Phenanthrene, mg/kg dw	ND	ND	ND	ND
Anthracene, mg/kg dw	ND	ND	ND	ND
Beta-BHC, mg/kg dw	ND	ND	ND	ND
Heptachlor, mg/kg dw	ND	ND	ND	ND
Alpha-BHC, mg/kg dw	ND	ND	ND	ND
Aldrin, mg/kg dw	ND	ND	ND	ND
Dibutyl phthalate, mg/kg dw	0.63	ND	ND	ND
Heptachlor Epoxide, mg/kg dw	ND	ND	ND	ND
Endosulfan I, mg/kg dw	ND	ND	ND	ND
Fluoranthene, mg/kg dw	ND	ND	ND	ND
Dieldrin, mg/kg dw	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2803-19	AO AP6 SD 1 ES	Client
2803-20	AO AP6 SD 2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD 4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
4,4'-DDE, mg/kg dw	ND	ND	ND	ND
Pyrene, mg/kg dw	ND	ND	ND	ND
Endrin, mg/kg dw	ND	ND	ND	ND
Endosulfan II, mg/kg dw	ND	ND	ND	ND
4,4'-DDD, mg/kg dw	ND	ND	ND	ND
Benzidine, mg/kg dw	ND	ND	ND	ND
4,4'-DDT, mg/kg dw	ND	ND	ND	ND
Endosulfan Sulfate, mg/kg dw	ND	ND	ND	ND
Endrin Aldehyde, mg/kg dw	ND	ND	ND	ND
Butyl Benzyl Phthalate, mg/kg dw	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, mg/kg dw	ND	ND	ND	ND
Chrysene, mg/kg dw	ND	ND	ND	ND
Benzo(a)Anthracene, mg/kg dw	ND	ND	ND	ND
3,3-Dichlorobenzidine, mg/kg dw	ND	ND	ND	ND
Di-N-Octyl Phthalate, mg/kg dw	ND	ND	ND	ND
Benzo(b)fluoranthene, mg/kg dw	ND	ND	ND	ND
Benzo (k) Fluoranthene, mg/kg dw	ND	ND	ND	ND
Benzo(a)pyrene, mg/kg dw	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, mg/kg dw	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, mg/kg dw	ND	ND	ND	ND

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Project: MacDill AFB Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2803-19	AO AP6 SD-1 ES	Client
2803-20	AO AP6 SD-2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD-4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
Benzo (g,h,i) Perylene, mg kg dw	ND	ND	ND	ND
N-Nitrosodimethylamine, mg kg dw	ND	ND	ND	ND
Chlordane, mg kg dw	ND	ND	ND	ND
Toxaphene, mg kg dw	ND	ND	ND	ND
PCB-1016, mg kg dw	ND	ND	ND	ND
PCB-1221, mg kg dw	ND	ND	ND	ND
PCB-1232, mg kg dw	ND	ND	ND	ND
PCB-1242, mg kg dw	ND	ND	ND	ND
PCB-1248, mg kg dw	ND	ND	ND	ND
PCB-1254, mg kg dw	ND	ND	ND	ND
PCB-1260, mg kg dw	ND	ND	ND	ND
2-Chlorophenol, mg kg dw	ND	ND	ND	ND
2-Nitrophenol, mg kg dw	ND	ND	ND	ND
Phenol, mg kg dw	ND	ND	ND	ND
2,4-Dimethylphenol, mg kg dw	ND	ND	ND	ND
2,4 Dichlorophenol, mg kg dw	ND	ND	ND	ND
2,4,6-Trichlorophenol mg kg dw	ND	ND	ND	ND
4-Chloro-3-methylphenol, mg kg dw	ND	ND	ND	ND
2,4-Dinitrophenol, mg kg dw	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, mg kg dw	ND	ND	ND	ND
Pentachlorophenol mg kg dw	ND	ND	ND	ND
4-Nitrophenol, mg kg dw	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2803-19	AO AP6 SD-1 ES	Client
2803-20	AO AP6 SD-2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD-4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
Surrogates - Semivolatiles				
2,4,6-Tribromophenol, % Rec.	36	45	25	25
Terphenyl, % Rec.	44	49	31	37
Other Surrogates - Semivolatiles	---	---	---	---
Dilution factor	1	1	1	1
Percent Solids, %	NA	NA	NA	NA
Date Collected	10.30.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11.5 11.22	11.5 11.22	11.5 11.22	11.5 11.22
QC REPORT	QCSV2803S	QCSV2803S	QCSV2803S	QCSV2803S

Methods: EPA 600-4-79-020, SW-846 and 40 CFR Part 136

*First date is date extracted (month.day) and second date is date analyzed (month.day).

James W. Andrews, Ph.D.

8240 Analysis

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LOG NO: 86-2687

Received: 22 OCT 86

Mr. Mark Guthrie
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
8240 Volatile Organics					
Chloromethane, ug/kg dw	ND	ND	ND	ND	ND
Bromomethane, ug/kg dw	ND	ND	ND	ND	ND
Vinyl Chloride, ug/kg dw	ND	ND	ND	ND	ND
Chloroethane, ug/kg dw	ND	ND	ND	ND	ND
Methylene Chloride, ug kg dw	ND	ND	ND	ND	ND
Trichlorofluoromethane, ug/kg dw	ND	ND	ND	ND	ND
1,1-Dichloroethene, ug/kg dw	ND	ND	ND	ND	ND
1,1-Dichloroethane, ug/kg dw	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene, ug/kg dw	ND	ND	ND	ND	ND
Chloroform, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichloroethane, ug/kg dw	ND	ND	ND	ND	ND
1,1,1-Trichloroethane, ug/kg dw	ND	ND	ND	ND	ND
Carbon Tetrachloride, ug/kg dw	ND	ND		ND	ND
Bromodichloromethane, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichloropropane, ug/kg dw	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND	ND
Trichloroethene, ug/kg dw	ND	ND	ND	ND	ND
Benzene, ug/kg dw	ND	ND	ND	ND	ND

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
Dibromochloromethane, ug/kg dw	ND	ND	ND	ND	ND
1,1,2-Trichloroethane, ug/kg dw	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether, ug/kg dw	ND	ND	ND	ND	ND
Bromoform, ug/kg dw	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane, ug/kg dw	ND	ND	ND	ND	ND
Tetrachloroethene, ug/kg dw	ND	ND	ND	ND	ND
Toluene, ug/kg dw	ND	ND	ND	ND	ND
Chlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
Ethylbenzene, ug/kg dw	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
Surrogates - Volatiles					
Toluene-d8, %	84 %	89 %	83%	91%	88 %
4-Bromofluorobenzene, %	78 %	86 %	76 %	78 %	88 %
1,2-Dichloroethane-d4, %	105 %	113 %	120 %	105 %	116%

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-84	DK MD3 SD-1 ES	Client
2687-85	DK MD3 SD-4 ES	
2687-86	DK MD3 SD-2 ES	
2687-87	DK MD3 SD-3 ES	
2687-88	RL MD9 SD-1 ES	

PARAMETER	2687-84	2687-85	2687-86	2687-87	2687-88
Dilution factor.	1	1	1	1	1
Percent Solids, %	80	73	81	83	78
QC Report, number	QCMSV1	QCMSV1	QCMSV1	QCMSV1	QCMSV1
Date Collected	10.19.86	10.19.86	10.19.86	10.19.86	10.20.86
Date Analyzed	10.27.86	10.27.86	10.27.86	10.27.86	10.27.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD 8	
2687-98	DK MD3 SD-5 ES	

SEDIMENT SAMPLES

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
8240 Volatile Organics					
Chloromethane, ug kg dw	ND	ND	ND	ND	ND
Bromomethane, ug/kg dw	ND	ND	ND	ND	ND
Vinyl Chloride, ug/kg dw	ND	ND	ND	ND	ND
Chloroethane, ug/kg dw	ND	ND	ND	ND	ND
Methylene Chloride, ug/kg dw	ND	ND	ND	ND	ND
Trichlorofluoromethane, ug/kg dw	ND	ND	ND	ND	ND
1,1-Dichloroethene, ug/kg dw	ND	ND	ND	ND	ND
1,1-Dichloroethane, ug/kg dw	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene, ug/kg dw	ND	ND	ND	ND	ND
Chloroform, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichloroethane, ug/kg dw	ND	ND	ND	ND	ND
1,1,1-Trichloroethane, ug/kg dw	ND	ND	ND	ND	ND
Carbon Tetrachloride, ug/kg dw	ND	ND	ND	ND	ND
Bromodichloromethane, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichloropropane, ug/kg dw	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND	ND
Trichloroethene, ug/kg dw	ND	ND	ND	ND	ND
Benzene, ug/kg dw	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD-5 ES	

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
Dibromochloromethane, ug/kg dw	ND	ND	ND	ND	ND
1,1,2-Trichloroethane, ug/kg dw	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether, ug/kg dw	ND	ND	ND	ND	ND
Bromoform, ug/kg dw	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane, ug/kg dw	ND	ND	ND	ND	ND
Tetrachloroethene, ug/kg dw	ND	ND	ND	ND	ND
Toluene, ug/kg dw	ND	ND	ND	ND	ND
Chlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
Ethylbenzene, ug/kg dw	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
Surrogates - Volatiles					
Toluene-d8, % Rec.	89%	92%	88 %	98 %	81 %
4-Bromofluorobenzene, % Rec.	90%	89%	90%	87%	89 %
1,2-Dichloroethane-d4, % Rec.	84 %	112%	107 %	110%	119 %

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LOG NO: 86-2687

Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-94	DK MD3 SD-7 ES	Client
2687-95	PL MD58 SD-5 ES	
2687-96	DK MD3 SD-6 ES	
2687-97	DK MD3 SD-8	
2687-98	DK MD3 SD-5 ES	

PARAMETER	2687-94	2687-95	2687-96	2687-97	2687-98
Dilution factor,	1	1	1	1	1
Percent Solids, %	81	77	87	72	78
QC Report, number	QCMSV1	QCMSV1	QCMSV1	QCMSV1	QCMSV1
Date Collected	10.20.86	10.20.86	10.20.86	10.19.86	10.19.86
Date Analyzed	10.27.86	10.26.86	10.26.86	10.26.86	10.26.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-101	PL MD58 SD-3 ES	Client

PARAMETER	2687-101
8240 Volatile Organics	
Chloromethane, ug/kg dw	ND
Bromomethane, ug/kg dw	ND
Vinyl Chloride, ug/kg dw	ND
Chloroethane, ug/kg dw	ND
Methylene Chloride, ug kg dw	ND
Trichlorofluoromethane, ug/kg dw	ND
1,1-Dichloroethene, ug kg dw	ND
1,1-Dichloroethane, ug kg dw	ND
trans-1,2-Dichloroethene, ug/kg dw	ND
Chloroform, ug/kg dw	ND
1,2-Dichloroethane, ug/kg dw	ND
1,1,1-Trichloroethane, ug/kg dw	ND
Carbon Tetrachloride, ug/kg dw	ND
Bromodichloromethane, ug/kg dw	ND
1,2-Dichloropropane, ug/kg dw	ND
trans-1,3-Dichloropropene, ug kg dw	ND
Trichloroethene, ug/kg dw	ND
Benzene, ug/kg dw	ND
Dibromochloromethane, ug/kg dw	ND
1,1,2-Trichloroethane, ug/kg dw	ND
cis-1,3-Dichloropropene, ug/kg dw	ND
2-Chloroethylvinyl Ether, ug/kg dw	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-101	PL MD58 SD-3 ES	Client

PARAMETER	2687-101
Bromoform, ug/kg dw	ND
1,1,2,2-Tetrachloroethane, ug kg dw	ND
Tetrachloroethene, ug kg dw	ND
Toluene, ug/kg dw	ND
Chlorobenzene, ug/kg dw	ND
Ethylbenzene, ug kg dw	ND
1,3-Dichlorobenzene, ug kg dw	ND
1,2-Dichlorobenzene, ug kg dw	ND
1,4-Dichlorobenzene, ug kg dw	ND
Dilution factor,	1
Percent Solids, %	79
QC Report, number	QCMSV1
Date Collected	10.20.86
Date Analyzed	10.26.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SEDIMENT SAMPLES	SAMPLED BY
2687-99	PL MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
8240 Volatile Organics		
Chloromethane, ug/kg dw	ND	ND
Bromomethane, ug/kg dw	ND	ND
Vinyl Chloride, ug/kg dw	ND	ND
Chloroethane, ug/kg dw	ND	ND
Methylene Chloride, ug/kg dw	ND	ND
Trichlorofluoromethane, ug/kg dw	ND	ND
1,1-Dichloroethene, ug kg dw	ND	ND
1,1-Dichloroethane, ug kg dw	ND	ND
trans-1,2-Dichloroethene, ug kg dw	ND	ND
Chloroform, ug/kg dw	ND	ND
1,2-Dichloroethane, ug/kg dw	ND	ND
1,1,1-Trichloroethane, ug/kg dw	ND	ND
Carbon Tetrachloride, ug/kg dw	ND	ND
Bromodichloromethane, ug/kg dw	ND	ND
1,2-Dichloropropane, ug/kg dw	ND	ND
trans-1,3-Dichloropropene, ug kg dw	ND	ND
Trichloroethene, ug/kg dw	ND	ND
Benzene, ug/kg dw	ND	ND
Dibromochloromethane, ug/kg dw	ND	ND
1,1,2-Trichloroethane, ug/kg dw	ND	ND
cis-1,3-Dichloropropene, ug/kg dw	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-99	PL MD58 SD-4 ES	Client
2687-100	DS MD17 SD-3 ES	

PARAMETER	2687-99	2687-100
2-Chloroethylvinyl Ether, ug/kg dw	ND	ND
Bromoform, ug/kg dw	ND	ND
1,1,2,2-Tetrachloroethane, ug kg dw	ND	ND
Tetrachloroethene, ug kg dw	ND	ND
Toluene, ug/kg dw	ND	ND
Chlorobenzene, ug/kg dw	ND	ND
Ethylbenzene, ug/kg dw	ND	ND
1,3-Dichlorobenzene, ug kg dw	ND	ND
1,2-Dichlorobenzene, ug/kg dw	ND	ND
1,4-Dichlorobenzene, ug/kg dw	ND	ND
Surrogates - Volatiles		
Toluene-d8, % Rec.	80 %	83%
4-Bromofluorobenzene, % Rec.	72 %	112 %
1,2-Dichloroethane-d4, % Rec.	129 %	86 %

Dilution factor,	1	1
Percent Solids, %	71	68
QC Report, number	QCMSV1	QCMSV1
Date Collected	10.20.86	10.20.86
Date Analyzed	10.26.86	10.26.86

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LOG NO: 86-2705

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-10	FT MD-16 SD-1 ES	Client
2705-11	FT MD-16 SD-2 ES	
2705-12	FT MD-16 SD-3 ES	
2705-13	FT MD-16 SD-6 ES	
2705-14	FT MD-16 SD-5 ES	

PARAMETER	2705-10	2705-11	2705-12	2705-13	2705-14
8240 Volatile Organics					
Chloromethane, mg/kg	ND	ND	ND	ND	ND
Bromomethane, mg/kg	ND	ND	ND	ND	ND
Vinyl Chloride, mg/kg	ND	ND	ND	ND	ND
Chloroethane, mg/kg	ND	ND	ND	ND	ND
Methylene Chloride, mg/kg	ND	ND	ND	ND	ND
Trichlorofluoromethane, mg/kg	ND	ND	ND	ND	ND
1,1-Dichloroethene, mg/kg	ND	ND	ND	ND	ND
1,1-Dichloroethane, mg/kg	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene, mg/kg	ND	ND	ND	ND	ND
Chloroform, mg/kg	ND	ND	ND	ND	ND
1,2-Dichloroethane, mg/kg	ND	ND	ND	ND	ND
1,1,1-Trichloroethane, mg/kg	ND	ND	ND	ND	ND
Carbon Tetrachloride, mg/kg	ND	ND	ND	ND	ND
Bromodichloromethane, mg/kg	ND	ND	ND	ND	ND
1,2-Dichloropropane, mg/kg	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene, mg/kg	ND	ND	ND	ND	ND
Trichloroethene, mg/kg	ND	ND	ND	ND	ND
Benzene, mg/kg	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-10	FT MD-16 SD-1 ES	Client
2705-11	FT MD-16 SD-2 ES	
2705-12	FT MD-16 SD-3 ES	
2705-13	FT MD-16 SD-6 ES	
2705-14	FT MD-16 SD-5 ES	

PARAMETER	2705-10	2705-11	2705-12	2705-13	2705-14
Dibromochloromethane, mg/kg	ND	ND	ND	ND	ND
1,1,2-Trichloroethane, mg/kg	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene, mg/kg	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether, mg/kg	ND	ND	ND	ND	ND
Bromoform, mg/kg	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane, mg/kg	ND	ND	ND	ND	ND
Tetrachloroethene, mg/kg	ND	ND	ND	ND	ND
Toluene, mg/kg	ND	ND	ND	ND	ND
Chlorobenzene, mg/kg	ND	ND	ND	ND	ND
Ethylbenzene, mg/kg	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, mg/kg	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, mg/kg	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg	ND	ND	ND	ND	ND
Surrogates - Volatiles					
Toluene-d8, mg/kg	91 %	82 %	81 %	95 %	96 %
4-Bromofluorobenzene, mg/kg	83 %	83 %	80 %	79 %	80 %
1,2-Dichloroethane-d4, mg/kg	90 %	84 %	97 %	89 %	94 %

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-10	FT MD-16 SD-1 ES	Client
2705-11	FT MD-16 SD-2 ES	
2705-12	FT MD-16 SD-3 ES	
2705-13	FT MD-16 SD-6 ES	
2705-14	FT MD-16 SD-5 ES	

PARAMETER	2705-10	2705-11	2705-12	2705-13	2705-14
Dilution factor.	1	1	1	1	1
Percent Solids, %	78	72	72	74	43
QC report, number	QCMSV2	QCMSV2	QCMSV2	QCMSV2	QCMSV2
Date Collected	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86
Date Analyzed	11.03.86	11.03.86	11.01.86	11.01.86	11.01.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
8240 Volatile Organics					
Chloromethane, ug/kg dw	ND	ND	ND	ND	ND
Bromomethane, ug/kg dw	ND	ND	ND	ND	ND
Vinyl Chloride, ug/kg dw	ND	ND	ND	ND	ND
Chloroethane, ug/kg dw	ND	ND	ND	ND	ND
Methylene Chloride, ug/kg dw	ND	ND	ND	ND	ND
Trichlorofluoromethane, ug/kg dw	ND	ND	ND	ND	ND
1,1-Dichloroethene, ug/kg dw	ND	ND	ND	ND	ND
1,1-Dichloroethane, ug/kg dw	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene ug/kg dw	ND	ND	ND	ND	ND
Chloroform, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichloroethane, ug/kg dw	ND	ND	ND	ND	ND
1,1,1-Trichloroethane, ug/kg dw	ND	ND	ND	ND	ND
Carbon Tetrachloride, ug/kg dw	ND	ND	ND	ND	ND
Bromodichloromethane, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichloropropane, ug/kg dw	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND	ND
Trichloroethene, ug/kg dw	ND	ND	ND	ND	ND
Benzene, ug/kg dw	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
Dibromochloromethane, ug kg dw	ND	ND	ND	ND	ND
1,1,2-Trichloroethane, ug/kg dw	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether, ug kg dw	ND	ND	ND	ND	ND
Bromoform, ug/kg dw	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane, ug/kg dw	ND	ND	ND	ND	ND
Tetrachloroethene, ug/kg dw	ND	ND	ND	ND	ND
Toluene, ug/kg dw	ND	ND	ND	ND	ND
Chlorobenzene, ug kg dw	ND	ND	ND	ND	ND
Ethylbenzene, ug/kg dw	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/kg dw	ND	ND	ND	ND	ND
Surrogates - Volatiles					
Toluene-d8, % Rec.	89%	82 %	97 %	92%	97 %
4-Bromofluorobenzene, % Rec.	115 %	80 %	86 %	91%	85 %
1,2-Dichloroethane-d4, % Rec.	93 %	113 %	88 %	77 %	96 %

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2687-89	DS MD17 SD-2 ES	Client
2687-90	DS MD17 SD-3 ES	
2687-91	RL MD9 SD-2 ES	
2687-92	PL MD58 SD-1 ES	
2687-93	PL MD58 SD-2 ES	

PARAMETER	2687-89	2687-90	2687-91	2687-92	2687-93
Dilution factor.	1	1	1	1	1
Percent Solids. %	82	68	81	96	77
QC Report. number	QCMSV1	QCMSV1	QCMSV1	QCMSV1	QCMSV1
Date Collected	10.20.86	10.20.86	10.20.86	10.20.86	10.20.86
Date Analyzed	10.27.86	10.27.86	10.27.86	10.27.86	10.27.86

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LOG NO: 86-2705

Received: 22 OCT 86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SEDIMENT SAMPLES	SAMPLED BY
2705-5	CM MD-11 SD-2 ES	Client
2705-6	DS MD-17 SD-4	
2705-7	CM MD-11 SD-3 ES	
2705-8	CM MD-11 SD-1 ES	
2705-9	FT MD-16 SD-4 ES	

PARAMETER	2705-5	2705-6	2705-7	2705-8	2705-9
8240 Volatile Organics					
Chloromethane, mg/kg	ND	ND	ND	ND	ND
Bromomethane, mg/kg	ND	ND	ND	ND	ND
Vinyl Chloride, mg/kg	ND	ND	ND	ND	ND
Chloroethane, mg/kg	ND	ND	ND	ND	ND
Methylene Chloride, mg/kg	ND	ND	ND	ND	ND
Trichlorofluoromethane, mg/kg	ND	ND	ND	ND	ND
1,1-Dichloroethene, mg/kg	ND	ND	ND	ND	ND
1,1-Dichloroethane, mg/kg	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene, mg/kg	ND	ND	ND	ND	ND
Chloroform, mg/kg	ND	ND	ND	ND	ND
1,2-Dichloroethane, mg/kg	ND	ND	ND	ND	ND
1,1,1-Trichloroethane, mg/kg	ND	ND	ND	ND	ND
Carbon Tetrachloride, mg/kg	ND	ND	ND	ND	ND
Bromodichloromethane, mg/kg	ND	ND	ND	ND	ND
1,2-Dichloropropane, mg/kg	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene, mg/kg	ND	ND	ND	ND	ND
Trichloroethene, mg/kg	ND	ND	ND	ND	ND
Benzene, mg/kg	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-5	CM MD-11 SD-2 ES	Client
2705-6	DS MD-17 SD-4	
2705-7	CM MD-11 SD-3 ES	
2705-8	CM MD-11 SD-1 ES	
2705-9	FT MD-16 SD-4 ES	

PARAMETER	2705-5	2705-6	2705-7	2705-8	2705-9
Dibromochloromethane, mg/kg	ND	ND	ND	ND	ND
1,1,2-Trichloroethane, mg/kg	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene, mg/kg	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether, mg/kg	ND	ND	ND	ND	ND
Bromoform, mg/kg	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane, mg/kg	ND	ND	ND	ND	ND
Tetrachloroethene, mg/kg	ND	ND	ND	ND	ND
Toluene, mg/kg	ND	ND	ND	ND	ND
Chlorobenzene, mg/kg	ND	ND	ND	ND	ND
Ethylbenzene, mg/kg	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, mg/kg	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, mg/kg	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, mg/kg	ND	ND	ND	ND	ND
Surrogates - Volatiles					
Toluene-d8, mg/kg	93 %	97 %	71 %	87 %	100 %
4-Bromofluorobenzene, mg/kg	138 %	84 %	71 %	86 %	93 %
1,2-Dichloroethane-d4, mg/kg	49 %	93 %	99 %	100 %	118 %

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2705-5	CM MD-11 SD-2 ES	Client
2705-6	DS MD-17 SD-4	
2705-7	CM MD-11 SD-3 ES	
2705-8	CM MD-11 SD-1 ES	
2705-9	FT MD-16 SD-4 ES	

PARAMETER	2705-5	2705-6	2705-7	2705-8	2705-9
Dilution factor,	1	1	1	1	1
Percent Solids, %	62	70	72	78	78
QC Report, number	QCMSV2	QCMSV2	QCMSV2	QCMSV2	QCMSV2
Date Collected	10.21.86	10.20.86	10.21.86	10.21.86	10.21.86
Date Analyzed	11.01.86	11.01.86	11.03.86	11.03.86	11.03.86

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LOG NO: 86-2603

Received: 03 NOV 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2603-19	AO AP6 SD-1 ES	Client
2603-20	AO AP6 SD-2 ES	
2603-21	AO AP6 SD-3 ES	
2603-22	AO AP6 SD-4 ES	

PARAMETER	2603-19	2603-20	2603-21	2603-22
6240 Volatile Organics				
Chloromethane, ug/kg dw	ND	ND	ND	ND
Bromomethane, ug/kg dw	ND	ND	ND	ND
Vinyl Chloride, ug/kg dw	ND	ND	ND	ND
Chloroethane, ug/kg dw	ND	ND	ND	ND
Methylene Chloride, ug/kg dw	ND	ND	ND	ND
Trichlorofluoromethane, ug/kg dw	ND	ND	ND	ND
1,1-Dichloroethene, ug/kg dw	ND	ND	ND	ND
1,1-Dichloroethane, ug/kg dw	ND	ND	ND	ND
trans-1,2-Dichloroethene, ug/kg dw	ND	ND	ND	ND
Chloroform, ug/kg dw	ND	ND	ND	ND
1,2-Dichloroethane, ug/kg dw	ND	ND	ND	ND
1,1,1-Trichloroethane, ug/kg dw	ND	ND	ND	ND
Carbon Tetrachloride, ug/kg dw	ND	ND	ND	ND
Bromodichloromethane, ug/kg dw	ND	ND	ND	ND
1,2-Dichloropropane, ug/kg dw	ND	ND	ND	ND
trans-1,3-Dichloropropene, ug/kg dw	ND	ND	ND	ND
Trichloroethene, ug/kg dw	ND	ND	ND	ND
Benzene, ug/kg dw	ND	ND	ND	ND
Dibromochloromethane, ug/kg dw	ND	ND	ND	ND

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LOG NO: 86-2803

Received: 03 NOV 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2803-19	AO AP6 SD-1 ES	Client
2803-20	AO AP6 SD-2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD-4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
1,1,2-Trichloroethane, ug kg dw	ND	ND	ND	ND
cis-1,3-Dichloropropene, ug kg dw	ND	ND	ND	ND
2-Chloroethylvinyl Ether, ug kg dw	ND	ND	ND	ND
Bromoform, ug kg dw	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane, ug kg dw	ND	ND	ND	ND
Tetrachloroethene, ug kg dw	ND	ND	ND	ND
Toluene, ug kg dw	ND	ND	ND	ND
Chlorobenzene, ug kg dw	ND	ND	ND	ND
Ethylbenzene, ug kg dw	ND	ND	ND	ND
1,3-Dichlorobenzene, ug kg dw	ND	ND	ND	ND
1,2-Dichlorobenzene, ug kg dw	ND	ND	ND	ND
1,4-Dichlorobenzene, ug kg dw	ND	ND	ND	ND
Surrogates - Volatiles				
Toluene-d6, % Rec.	92	102	108	109
4-Bromofluorobenzene, % Rec.	83	88	94	95
1,2-Dichloroethane-d4, % Rec.	63	57	67	63

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2803-19	AO AP6 SD-1 ES	Client
2803-20	AO AP6 SD-2 ES	
2803-21	AO AP6 SD-3 ES	
2803-22	AO AP6 SD-4 ES	

PARAMETER	2803-19	2803-20	2803-21	2803-22
Dilution factor,	1	1	1	1
Percent Solids, %	79	80	58	72
QC Report, number	QCMSV2	QCMSV2	QCMSV2	QCMSV2
Date Collected	10.30.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11.05.86	11.05.86	11.05.86	11.05.86

8150 Analysis

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LOG NO: 86-2785

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2785-19	AA AP9 SS-1 ES	Client
2785-20	AA AP9 SS-2 ES	
2785-21	AA AP9 SS-3 ES	
2785-22	AA AP9 SS-4 ES	
2785-23	AA AP9 SS-5 ES	

SEDIMENT SAMPLES

PARAMETER	2785-19	2785-20	2785-21	2785-22	2785-23
8150 Chlorinated Herbicides					
2,4-D, mg kg dw	<0.03	<0.03	<0.03	<0.03	<0.03
2,4-DB, mg kg dw	<0.01	<0.01	<0.01	<0.01	<0.01
2,4,5-T, mg kg dw	<0.02	<0.02	<0.02	<0.02	<0.02
2,4,5-TP Silvex, mg kg dw	<0.003	<0.003	<0.003	<0.003	<0.003
DALAPON, mg kg dw	<0.05	<0.05	<0.05	<0.05	<0.05
DICAMBA, mg kg dw	<0.01	<0.01	<0.01	<0.01	<0.01
DICHLORPROP, mg kg dw	<0.05	<0.05	<0.05	<0.05	<0.05
DINOSEB, mg kg dw	<0.02	<0.02	<0.02	<0.02	<0.02
(4-Chloro-2-Methylphenoxy)-Acetic Acid, mg kg dw	<8.0	<8.0	<8.0	<8.0	<8.0
2-(4-Chloro-2-Methylphenoxy)-Propanoic Acid, mg kg dw	<11	<11	<11	<11	<11
Dilution factor	1	1	1	1	1
Percent Solids, %	93	95	92	90	92
QC Report, number	QCH1	QCH1	QCH1	QCH1	QCH1
Date Collected	10.29.86	10.29.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11.04.22	11.04.22	11.04.22	11.04.22	11.04.22

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2785-24	AA AP9 SS-6 ES	Client
2785-25	AA AP9 SS-7 ES	
2785-26	AA AP9 SS-8 ES	
2785-27	AA AP9 SS-9 ES	
2785-28	AA AP9 SS-10 ES	

PARAMETER	2785-24	2785-25	2785-26	2785-27	2785-28
8150 Chlorinated Herbicides					
2,4-D, mg kg dw	<0.03	<0.03	<0.03	<0.03	<0.03
2,4-DB, mg kg dw	<0.01	<0.01	<0.01	<0.01	<0.01
2,4,5-T, mg kg dw	<0.02	<0.02	<0.02	<0.02	<0.02
2,4,5-TP Silvex, mg kg dw	<0.003	<0.003	<0.003	<0.003	<0.003
DALAPON, mg kg dw	<0.05	<0.05	<0.05	<0.05	<0.05
DICAMBA, mg kg dw	<0.01	<0.01	<0.01	<0.01	<0.01
DICHLORPROP, mg kg dw	<0.05	<0.05	<0.05	<0.05	<0.05
DINOSEB, mg kg dw	<0.02	<0.02	<0.02	<0.02	<0.02
(4-Chloro-2-Methylphenoxy)-Acetic Acid, mg kg dw	<8.0	<8.0	<8.0	<8.0	<8.0
2-(4-Chloro-2-Methylphenoxy)-Propanoic Acid, mg kg dw	<11	<11	<11	<11	<11
Dilution factor	1	1	1	1	1
Percent Solids, %	84	93	96	94	93
QC Report number	QCH1	QCH1	QCH1	QCH1	QCH1
Date Collected	10.29.86	10.29.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11.04.22	11.04.22	11.04.22	11.04.22	11.04.22

Methods: EPA 600-4-79-020, SW-846 and 40 CFR Part 136

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2785-29	AA AP9 SS 11 ES	Client

PARAMETER	2785-29
8150 Chlorinated Herbicides	
2,4-D, mg/kg dw	<0.03
2,4-DB, mg/kg dw	<0.01
2,4,5-T, mg/kg dw	<0.02
2,4,5-TP Silvex, mg kg dw	<0.003
DALAPON mg/kg dw	<0.05
DICAMBA, mg kg dw	<0.01
DICHLORPROP, mg/kg dw	<0.05
DINOSEB, mg kg dw	<0.02
(4-Chloro-2-Methylphenoxy)-Acetic Acid, mg/kg dw	<8.0
2-(4-Chloro-2-Methylphenoxy)-Propanoic Acid, mg kg dw	<11
Dilution factor,	1
Percent Solids, %	96
QC Report, number	QCH1
Date Collected	10.29.86
Date Analyzed	11.04.22

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

James W. Andrews, Ph.D.

8280 Analysis

James W. Andrews, Ph.D.
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LOG NO: 86-2753

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SOIL SAMPLES	SAMPLED BY
2753-12	AA AP9 SS-4 ES	Client
2753-13	AA AP9 SS-2 ES	
2753-14	AA AP9 SS-1 ES	
2753-15	AA AP9 SS-5 ES	
2753-16	AA AP9 SS-6 ES	

PARAMETER	2753-12	2753-13	2753-14	2753-15	2753-16
Dioxin-2,3,7,8-TCDD (8280), ug/kg	<1	<1	<1	<1	<1
Dilution factor,	1	1	1	1	1
Percent Solids, %	86	86	84	84	84
QC Report, number	QCD1	QCD1	QCD1	QCD1	QCD1
Date Collected	10.29.86	10.29.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11.05/26	11.05/26	11.05/26	11.05/26	11.05/26

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Month.Date extracted/date analyzed.

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LOG NO: 86-2753

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SOIL SAMPLES	SAMPLED BY
2753-17	AA AP9 SS-3 ES	Client

PARAMETER	2753-17
Dioxin-2,3,7,8-TCDD (8280), ug/kg	<1
Dilution factor,	1
Percent Solids, %	90
QC Report, number	QCD1
Date Collected	10.29.86
Date Analyzed	11.05/28

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

J. W. Andrews, Ph. D.

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LOG NO: 86-2753

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SOIL SAMPLES	SAMPLED BY
2753-7	AA AP9 SS-9 ES	Client
2753-8	AA AP9 SS-8 ES	
2753-9	AA AP9 SS-10 ES	
2753-10	AA AP9 SS-7 ES	
2753-11	AA AP9 SS-11 ES	

PARAMETER	2753-7	2753-8	2753-9	2753-10	2753-11
Dioxin-2,3,7,8-TCDD (8280), ug/kg	<1	<1	<1	<1	<1
Dilution factor,	1	1	1	1	1
Percent Solids, %	82	87	82	84	84
QC Report, number	QCD1	QCD1	QCD1	QCD1	QCD1
Date Collected	10.29.86	10.29.86	10.29.86	10.29.86	10.29.86
Date Analyzed *	11.05/26	11.05/26	11.05/26	11.05/26	11.05/26

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Month.Date extracted/Date analyzed

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LOG NO: 86-2538

Received: 23 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2538-1	MDB-1 GW ES	Client
2538-2	MDB-2 GW ES	
2538-3	MDB-3 GW ES	
2538-4	MDB-4 GW ES	
2538-5	MDB-5 GW	

PARAMETER	2538-1	2538-2	2538-3	2538-4	2538-5
Lead (239.2), mg/l	<0.005	<0.005	0.01	<0.005	<0.005
Hydrocarbons by IR (418.1), mg/l	<0.10	<0.10	<0.10	0.50	<0.10
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	PH1/M13	PH1/M13	PH1/M13	PH1/M13	PH1/M13
Date Collected	10.09.86	10.09.86	10.09.86	10.09.86	10.09.86
Date Analyzed	10.22.86	10.22.86	10.22.86	10.22.86	10.22.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136
Date analyzed is date of Petroleum hydrocarbon analysis.
Lead was analyzed on 10.21.86.

J. W. Andrews

J. W. Andrews, Ph. D.

418.1 Analysis

James W. Andrews, Ph.D.
President

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LOG NO: 86-2672

Received: 22 OCT 86

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2672-1	FT MD16 SW-3 ES	Client
2672-2	FT MD16 SW-6 ES	
2672-3	FT MD16 SW-2 ES	
2672-4	FT MD16 SW-5 ES	
2672-5	FT MD16 SW-4 ES	

PARAMETER	2672-1	2672-2	2672-3	2672-4	2672-5
Hydrocarbons by IR (418.1). mg/l	<0.10	<0.10	<0.10	<0.10	<0.10
Percent Solids. %	NA	NA	NA	NA	NA
QC Report. number	QCPH4	QCPH4	QCPH4	QCPH4	QCPH4
Date Collected	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86
Date Analyzed	11.13.86	11.13.86	11.13.86	11.13.86	11.13.86

James W. Andrews, Ph.D.
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LOG NO: 86-2672

Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SURFACE WATER SAMPLES	SAMPLED BY
2672-6	FT MD16 SW-1 ES	Client

PARAMETER	2672-6
Hydrocarbons by IR (418.1), mg/l	<0.10
Percent Solids, %	NA
QC Report, number	QCPH4
Date Collected	10.21.86
Date Analyzed	11.13.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2672-7	FT MD16 SD-5 ES	Client
2672-8	FT MD16 SD-2 ES	
2672-9	FT MD16 SD-6 ES	
2672-10	FT MD16 SD-1 ES	
2672-11	FT MD16 SD-4 ES	

PARAMETER	2672-7	2672-8	2672-9	2672-10	2672-11
Hydrocarbons by IR (418.1). mg/kg dw	2.6	<1.0	<1.0	<1.0	<1.0
Percent Solids. %	48	67	75	65	71
QC Report. number	QCPH5	QCPH5	QCPH5	QCPH5	QCPH5
Date Collected	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86
Date Analyzed	11.14.86	11.14.86	11.14.86	11.14.86	11.14.86

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LOG NO. 86-2672

Received: 22 OCT 86

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2672-12	FT MD16 SD-3 ES	Client

PARAMETER	2672-12
Hydrocarbons by IR (418.1). mg kg dw	<1.0
Percent Solids. %	71
QC Report. number	QCPH5
Date Collected	10.21.86
Date Analyzed	11.14.86

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LOG NO: 86-2615

Received: 17 OCT 86

Mr. Mark Guthrie
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2615-1	FA MD23-3 GW ES	Client
2615-2	FA MD23-8 GW ES	
2615-3	FA MD23-9 GW ES	
2615-4	FA MD23-2 GW ES	
2615-5	FA MD23-1 GW ES	

PARAMETER	2615-1	2615-2	2615-3	2615-4	2615-5
Hydrocarbons by IR (418.1), mg l	22	<0.10	<0.10	0.20	<0.10
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCPH2	QCPH2	QCPH2	QCPH2	QCPH2
Date Collected	10.16.86	10.16.86	10.16.86	10.16.86	10.16.86
Date Analyzed	10.23.86	10.23.86	10.23.86	10.23.86	10.23.86

James W. Andrews, Ph.D.
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LOG NO: 86-2595

Received: 16 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2595-6	FA MD23-11 GW ES	Client
2595-7	FA MD23-5 GW ES	

PARAMETER	2595-6	2595-7
Hydrocarbons by IR (418.1), mg l	<0.10	<0.10
Percent Solids. %	NA	NA
QC Report. number	QCPH1	QCPH1
Date Collected	10.15.86	10.15.86
Date Analyzed	10.22.86	10.22.86

James W. Andrews, Ph.D.
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LOG NO: 86-2595

Received: 16 OCT 86

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2595-1	FA MD23-13 GW ES	Client
2595-2	FA MD23-6 GW ES	
2595-3	FA MD23-4 GW ES	
2595-4	FA MD23-12 GW ES	
2595-5	FA MD23-14 GW ES	

PARAMETER	2595-1	2595-2	2595-3	2595-4	2595-5
Hydrocarbons by IR (418.1). mg/l	<0.10	<0.10	0.50	<0.10	<0.10
Percent Solids, %	NA	NA	NA	NA	NA
QC Report. number	QCPH1	QCPH1	QCPH1	QCPH1	QCPH1
Date Collected	10.15.86	10.15.86	10.15.86	10.15.86	10.15.86
Date Analyzed	10.22.86	10.22.86	10.22.86	10.22.86	10.22.86

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Whitfield Avenue at Shipyard Road (31406)
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LOG NO: 86-2615

Received: 17 OCT 86

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2615-6	FA MD23-7 GW ES	Client
2615-7	FA MD23-16 GW	

PARAMETER	2615-6	2615-7
Hydrocarbons by IR (418.1). mg/l	<0.10	<0.10
Percent Solids. %	NA	NA
QC Report. number	QCPH2	QCPH2
Date Collected	10.16.86	10.16.86
Date Analyzed	10.23.86	10.23.86

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LOG NO: 86-2656

Received: 21 OCT 86

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Project: MacDill AFB Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2656-1	FA MD 23-D2 GW ES	Client

PARAMETER	2656-1
Lead (239.2), mg/l	<0.005
Hydrocarbons by IR (418.1), mg/l	<0.10
Percent Solids, %	NA
QC Report, number	PH2/M12
Date Collected	10.19.86
Date Analyzed	10.23.86

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LOG NO: 86-2640

Received: 18 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2640-1	FA MD 23-10 GW ES	
2640-2	FA MD 23-D3 GW ES	
2640-3	FA MD 23-D1 GW ES	

PARAMETER	2640-1	2640-2	2640-3
Lead (239.2), mg/l	<0.005	<0.005	<0.005
Hydrocarbons by IR (418.1), mg/l	<0.10	0.12	<0.20
Percent Solids, %	NA	NA	NA
QC Report, number	M12/PH2	PH2/M12	PH2/M12
Date Collected	10.17.86	10.17.86	10.17.86
Date Analyzed	10.23.86	10.23.86	10.23.86

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LOG NO: 86-2753

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2753-1	AO AP6-3 GW ES	Client
2753-2	AO AP6-1 GW ES	
2753-3	AO AP6-5 GW ES	

PARAMETER	2753-1	2753-2	2753-3
Hydrocarbons by IR (418.1), mg/l	<0.10	<0.10	<0.10
Percent Solids, %	NA	NA	NA
QC Report, number	QCPH5	QCPH5	QCPH5
Date Collected	10.28.86	10.29.86	10.28.86
Date Analyzed	11.14.86	11.14.86	11.14.86

J-396

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LOG NO: 86-2772

Received: 31 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , SURFACE WATER SAMPLES	SAMPLED BY
2772-1	AO AP SW-1 ES	Client
2772-2	AO AP SW-2 ES	
2772-3	AO AP SW-3 ES	

PARAMETER	2772-1	2772-2	2772-3
Hydrocarbons by IR (418.1), mg/l	0.34	<0.10	<0.10
Date Collected	10.30.86	10.29.86	10.29.86
Date Analyzed	11.14.86	11.14.86	11.14.86

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LOG NO: 86-2736

Received: 29 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2736-1	AC AP 7-4 GW ES	Client
2736-2	AC AP 7-5 GW ES	
2736-3	AC AP 7-2 GW ES	
2736-4	AC AP 7-1 GW ES	
2736-5	AC AP 7-3 GW ES	

PARAMETER	2736-1	2736-2	2736-3	2736-4	2736-5
Hydrocarbons by IR (418.1), mg/l	<0.10	<0.10	<0.10	<0.10	<0.10
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCPH3	QCPH3	QCPH3	QCPH3	QCPH3
Date Collected	10.28.86	10.28.86	10.27.86	10.27.86	10.28.86
Date Analyzed	11.13.86	11.13.86	11.13.86	11.13.86	11.13.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2736-6	AO AP 6-4 GW ES	Client
2736-7	AO AP 6-2 GW ES	
2736-8	AC AP 7-5 GW ES	
2736-9	AC AP 7-4 GW ES	

PARAMETER	2736-6	2736-7	2736-8	2736-9
Hydrocarbons by IR (418.1), mg/l	<0.10	<0.10	<0.10	<0.10
Percent Solids, %	NA	NA	NA	NA
QC Report, number	QCPH3	QCPH3	QCPH3	QCPH3
Date Collected	10.28.86	10.28.86	10.28.86	10.28.86
Date Analyzed	11.13.86	11.13.86	11.13.86	11.13.86

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LOG NO: 86-2772

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2772-4	AO AP SD-1 ES	Client
2772-5	AO AP SD-2 ES	
2772-6	AO AP SD-3 ES	
2772-7	AO AP SD-4 ES	

PARAMETER	2772-4	2772-5	2772-6	2772-7
Metals in EP Extract (1310/6010)				
Arsenic (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Barium (EP Tox), mg/l	<0.05	<0.05	<0.05	<0.05
Cadmium (EP-Tox), mg/l	<0.005	<0.005	<0.005	<0.005
Chromium (EP Tox), mg/l	<0.05	<0.05	<0.05	<0.05
Lead (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Selenium (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Silver (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Mercury - EP Tox (7471), mg/l	<0.0002	<0.0002	<0.0002	<0.0002
Hydrocarbons by IR (418.1), mg/kg dw	<1.0	<1.0	<1.0	<1.0
Percent Solids, %	70	77	76	78
QC Report number	QCM19	QCM19	QCM19	QCM19
Date Collected	10.30.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11/12.86	11/12.86	11/12.86	11/12.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

Date analyzed - Nov./Dec. 1986

J. W. Andrews, Ph. D.

Metals Analyses

200.7/245.1, 239.2, 213.2 218.2, 239.1,

1310/6010, 3050/7420, 3050/7130, 3050/7190, 3050/7950

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LOG NO: 86-2554

Received: 11 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2554-6	DK MD3-6 GW ES	Client

PARAMETER	2554-6
Metals scan (200.7/245.1)	
Aluminum, mg/l	43
Arsenic, mg/l	0.03
Antimony, mg/l	<0.01
Barium, mg/l	0.10
Beryllium, mg/l	<0.01
Boron, mg/l	0.10
Cadmium, mg/l	<0.01
Calcium, mg/l	200
Chromium, mg/l	<0.05
Cobalt, mg/l	<0.05
Copper, mg/l	<0.05
Iron, mg/l	3.1
Lead, mg/l	0.01
Magnesium, mg/l	23
Manganese, mg/l	<0.05
Molybdenum, mg/l	<0.01
Nickel, mg/l	<0.05
Potassium, mg/l	7.4
Selenium, mg/l	<0.01
Silica, mg/l	55
Silver, mg/l	<0.05
Sodium, mg/l	120
Thallium, mg/l	<0.5
Vanadium, mg/l	0.15
Zinc, mg/l	<0.05

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LOG NO: 86-2554

Received: 11 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2554-6	DK MD3-6 GW ES	Client

PARAMETER	2554-6
Mercury, mg/l	<0.0002
Percent Solids, %	NA
QC Report, number	QC M20
Date Collected	10.10.86
Date Analyzed	10/11.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Month. Date extracted/date analyzed.

* Elevated metal level may be due to interference of salt water matrix. Note sodium level.

J. W. Andrews

J. W. Andrews, Ph. D.

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LOG NO: 86-2554

Received: 11 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2554-1	DK MD3-3 GW ES	Client
2554-2	PL MD58-5 GW ES	
2554-3	DK MD3-7 GW	
2554-4	DK MD3-1 GW ES	
2554-5	DK MD3-2 GW FS	

PARAMETER	2554-1	2554-2	2554-3	2554-4	2554-5
Metals scan (200.7/245.1)					
Aluminum, mg/l	3.5	7.6	6.7	6.7	5.6
Arsenic, mg/l	0.04 *	<0.01	0.01 *	0.01 *	0.05 *
Antimony, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Barium, mg/l	0.07	<0.05	0.20	0.18	0.20
Beryllium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Boron, mg/l	0.40	<0.05	1.1	0.90	1.9
Cadmium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium, mg/l	410	150	580	580	550
Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Iron, mg/l	23	5.5	6.4	6.6	24
Lead, mg/l	0.01 *	0.01	0.03 *	0.01 *	0.04 *
Magnesium, mg/l	160	9.5	520	430	680
Manganese, mg/l	0.07	<0.05	0.09	0.08	0.05
Molybdenum, mg/l	<0.01	<0.01	<0.01	0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/l	41	3.7	140	120	190

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2554-1	DK MD3-3 GW ES	Client
2554-2	PL MD58-5 GW ES	
2554-3	DK MD3-7 GW	
2554-4	DK MD3-1 GW ES	
2554-5	DK MD3-2 GW ES	

PARAMETER	2554-1	2554-2	2554-3	2554-4	2554-5
Selenium, mg/l	0.18 *	<0.01	0.46 *	0.39 *	0.47 *
Silica, mg/l	13	29	17	24	17
Silver, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium, mg/l	1400	31	4300	3600	7000
Thallium, mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium, mg/l	<0.05	0.08	<0.05	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Mercury, mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCM20	QCM20	QCM20	QCM20	QCM20
Date Collected	10.10.86	10.10.86	10.10.86	10.10.86	10.10.86
Date Analyzed	10/11.86	10/11.86	10/11.86	10/11.86	10/11.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO: 86-2562

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2562-1	PL MD58-7 GW	Client
2562-2	PL MD58-4 GW ES	
2562-3	PL MD58-3 GW ES	
2562-4	PL MD58-2 GW ES	
2562-5	PL MD58-1 GW ES	

PARAMETER	2562-1	2562-2	2562-3	2562-4	2562-5
Metals scan (200.7/245.1)					
Aluminum, mg/l	<0.01	3.0	6.3	2.1	1.9
Arsenic, mg/l	<0.01	<0.01	<0.01	<0.01	0.01
Barium, mg/l	0.08	0.08	<0.05	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Boron, mg/l	1.1	1.1	0.20	0.38	1.5
Cadmium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium, mg/l	100	100	55	75	340
Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Iron, mg/l	17	14	1.3	1.6	0.60
Lead, mg/l	<0.01	<0.01	<0.01	0.024	0.13 *
Magnesium, mg/l	26	27	29	110	310
Manganese, mg/l	<0.05	<0.05	<0.05	<0.05	0.08
Molybdenum, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/l	38	38	13	34	110
Selenium, mg/l	<0.01	<0.01	0.01	0.05 *	0.17 *

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LOG NO: 86-2562

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2562-1	PL MD58-7 GW	Client
2562-2	PL MD58-4 GW ES	
2562-3	PL MD58-3 GW ES	
2562-4	PL MD58-2 GW ES	
2562-5	PL MD58-1 GW ES	

PARAMETER	2562-1	2562-2	2562-3	2562-4	2562-5
Silica, mg/l	18	18	23	14	15
Silver, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium, mg/l	62	65	290	1000	1900
Thallium, mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium, mg/l	<0.05	<0.05	0.08	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Antimony, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury, mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCM11	QCM11	QCM11	QCM11	QCM11
Date Collected	10.13.86	10.13.86	10.13.86	10.13.86	10.13.86
Date Analyzed	10/11.86	10/11.86	10/11.86	10/11.86	10/11.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2562-6	PL MD58-6 GW ES	Client

PARAMETER	2562-6
Metals scan (200.7/245.1)	
Aluminum, mg/l	33
Arsenic, mg/l	0.03
Antimony, mg/l	<0.01
Barium, mg/l	<0.05
Beryllium, mg/l	<0.01
Boron, mg/l	<0.05
Cadmium, mg/l	<0.01
Calcium, mg/l	48
Chromium, mg/l	<0.05
Cobalt, mg/l	<0.05
Copper, mg/l	<0.05
Iron, mg/l	3.6
Lead, mg/l	0.01
Magnesium, mg/l	3.0
Manganese, mg/l	<0.05
Molybdenum, mg/l	<0.01
Nickel, mg/l	<0.05
Potassium, mg/l	2.3
Selenium, mg/l	<0.01
Silica, mg/l	50
Silver, mg/l	<0.05
Sodium, mg/l	12
Thallium, mg/l	<0.5
Vanadium, mg/l	<0.05
Zinc, mg/l	<0.05

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Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2562-6	PL MD58-6 GW ES	Client

PARAMETER	2562-6
Mercury, mg/l	<0.0002
Percent Solids, %	NA
QC Report, number	QCM11
Date Collected	10.13.86
Date Analyzed	10/11.86

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LOG NO: 86-2575

Received: 15 OCT 86

Mr. Mark Guthrie
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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2575-1	RL MD9-4 GW ES	Client
2575-2	RL MD9-5 GW ES	
2575-3	RL MD9-6 GW ES	
2575-4	RL MD9-2 GW ES	
2575-5	RL MD9-7 GW ES	

PARAMETER	2575-1	2575-2	2575-3	2575-4	2575-5
Metals scan (200.7/245.1)					
Aluminum, mg/l	43	7.9	<0.1	1.7	1.9
Arsenic, mg/l	0.03 *	0.01	<0.01	<0.01	<0.01
Antimony, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Barium, mg/l	0.13	<0.05	<0.05	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Boron, mg/l	0.40	0.48	0.10	1.5	0.55
Cadmium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium, mg/l	180	310	510	210	130
Chromium, mg/l	0.11	<0.05	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Iron, mg/l	35	5.8	<0.05	0.28	16
Lead, mg/l	0.03 *	0.01	0.02 *	0.04 *	0.02
Magnesium, mg/l	89	74	84	260	73
Manganese, mg/l	<0.05	0.13	<0.05	<0.05	<0.05
Molybdenum, mg/l	<0.01	0.02	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/l	30	28	9.0	110	15

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2575-1	RL MD9-4 GW ES	Client
2575-2	RL MD9-5 GW ES	
2575-3	RL MD9-6 GW ES	
2575-4	RL MD9-2 GW ES	
2575-5	RL MD9-7 GW ES	

PARAMETER	2575-1	2575-2	2575-3	2575-4	2575-5
Selenium, mg/l	0.07 *	0.03 *	0.09 *	0.06 *	0.07 *
Silica, mg/l	110	31	47	42	28
Silver, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium, mg/l	1000	460	890	2400	890
Thallium, mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium, mg/l	0.09	0.08	<0.05	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Mercury, mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCM11	QCM11	QCM11	QCM11	QCM11
Date Collected	10.14.86	10.14.86	10.14.86	10.14.86	10.14.86
Date Analyzed	10/11.86	10/11.86	10/11.86	10/11.86	10/11.86

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LOG NO: 86-2640

Received: 18 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2640-4	RL MD 9-8 GW	Client
2640-5	RL MD 9-3 GW ES	

PARAMETER	2640-4	2640-5
Metals scan (200.7 245.1)		
Aluminum, mg/l	18	19
Arsenic, mg/l	0.02 *	0.02 *
Antimony, mg/l	<0.01	<0.01
Barium, mg/l	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01
Boron, mg/l	1.3	1.3
Cadmium, mg/l	<0.01	<0.01
Calcium, mg/l	150	150
Chromium, mg/l	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05
Copper, mg/l	<0.05	<0.05
Iron, mg/l	4.8	4.5
Lead, mg/l	0.01	0.01
Magnesium, mg/l	170	160
Manganese, mg/l	0.06	0.06
Molybdenum, mg/l	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05
Potassium, mg/l	110	110
Selenium, mg/l	0.20 *	0.18*
Silica, mg/l	35	34
Silver, mg/l	<0.05	<0.05
Sodium, mg/l	2500	2400
Thallium, mg/l	<0.5	<0.5
Vanadium, mg/l	0.09	0.08
Zinc, mg/l	<0.05	<0.05

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION - GROUND WATER SAMPLES	SAMPLED BY
2640-4	RL MD 9-8 GW	Client
2640-5	RL MD 9-3 GW ES	

PARAMETER	2640-4	2640-5
Mercury, mg/l	<0.0002	<0.0002
Percent Solids, %	NA	NA
QC Report, number	QCM10	QCM10
Date Collected	10.17.86	10.17.86
Date Analyzed*	10.11.86	10.11.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Month, Date extracted/date analyzed.

* Elevated metal level may be due to interference of salt water matrix. Note sodium level.

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LOG NO: 86-2753

Received: 30 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2753-4	AO AP6-1 GW ES	Client
2753-5	AO AP6-3 GW ES	
2753-6	AO AP6-5 GW ES	

PARAMETER	2753-4	2753-5	2753-6
Metals scan (200.7/245.1)			
Aluminum, mg/l	11	14	<0.1
Arsenic, mg/l	<0.01	<0.01	<0.01
Antimony, mg/l	<0.01	<0.01	<0.01
Barium, mg/l	<0.05	0.06	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01
Boron, mg/l	<0.05	<0.05	<0.05
Cadmium, mg/l	<0.01	<0.01	<0.01
Calcium, mg/l	53	37	0.26
Chromium, mg/l	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05
Iron, mg/l	6.0	5.7	<0.05
Lead, mg/l	<0.01	<0.01	<0.01
Magnesium, mg/l	9.3	8.0	<0.05
Manganese, mg/l	0.15	<0.05	<0.05
Molybdenum, mg/l	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05
Potassium, mg/l	9.5	13	<0.10
Selenium, mg/l	<0.01	<0.01	<0.01
Silica, mg/l	26	36	0.60
Silver, mg/l	<0.05	<0.05	<0.05
Sodium, mg/l	12	14	<1.0
Thallium, mg/l	<0.5	<0.5	<0.5
Vanadium, mg/l	0.08	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	<0.05

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2753-4	AO AP6-1 GW ES	Client
2753-5	AO AP6-3 GW ES	
2753-6	AO AP6-5 GW ES	

PARAMETER	2753-4	2753-5	2753-6
Mercury, mg/l	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA
QC Report, number	QCM20	QCM20	QCM20
Date Collected	10.29.86	10.28.86	10.28.86
Date Analyzed	11/12.86	11/12.86	11/12.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2736-15	AO AP 6-2 GW ES	Client
2736-16	AO AP 6-4 GW ES	

PARAMETER	2736-15	2736-16
Metals scan (200.7/245.1)		
Aluminum, mg/l	4.6	11
Arsenic, mg/l	<0.01	<0.01
Antimony, mg/l	<0.01	<0.01
Barium, mg/l	0.15	0.06
Beryllium, mg/l	<0.01	<0.01
Boron, mg/l	<0.05	<0.05
Cadmium, mg/l	<0.01	<0.01
Calcium, mg/l	27	14
Chromium, mg/l	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05
Copper, mg/l	0.22	<0.05
Iron, mg/l	120	8.8
Lead, mg/l	<0.01	<0.01
Magnesium, mg/l	29	4.4
Manganese, mg/l	<0.05	<0.05
Molybdenum, mg/l	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05
Potassium, mg/l	1.9	0.95
Selenium, mg/l	0.01	<0.01
Silica, mg/l	16	36
Silver, mg/l	<0.05	<0.05
Sodium, mg/l	40	7.0
Thallium, mg/l	<0.5	<0.5
Vanadium, mg/l	<0.05	0.11
Zinc, mg/l	<0.05	<0.05

LOG NO: 86-2736

Received: 29 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2736-15	AO AP 6-2 GW ES	Client
2736-16	AO AP 6-4 GW ES	

PARAMETER	2736-15	2736-16
Mercury, mg/l	<0.0002	<0.0002
Percent Solids, %	NA	NA
QC Report, number	QCM16	QCM16
Date Collected	10.28.86	10.28.86
Date Analyzed*	11/12.86	11/12.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Month. Date extracted/date analyzed

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2736-10	AC AP 7-1 GW ES	Client
2736-11	AC AP 7-5 GW ES	
2736-12	AC AP 7-4 GW ES	
2736-13	AC AP 7-2 GW ES	
2736-14	AC AP 7-3 GW ES	

PARAMETER	2736-10	2736-11	2736-12	2736-13	2736-14
Metals scan (200.7/245.1)					
Aluminum, mg/l	19	11	7.6	16	12
Arsenic, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Antimony, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Barium, mg/l	0.05	0.18	0.13	0.09	0.09
Beryllium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
B on, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium, mg/l	64	56	45	64	68
Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	0.08	<0.05	0.12
Iron, mg/l	7.9	18	15	34	86
Lead, mg/l	<0.01	0.02 *	0.01	<0.01	<0.01
Magnesium, mg/l	1.4	17	14	5.8	3.4
Manganese, mg/l	<0.05	0.05	<0.05	0.07	<0.05
Molybdenum, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	0.05	<0.05	<0.05	<0.05
Potassium, mg/l	0.34	1.8	1.5	1.2	0.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2736-10	AC AP 7-1 GW ES	Client
2736-11	AC AP 7-5 GW ES	
2736-12	AC AP 7-4 GW ES	
2736-13	AC AP 7-2 GW ES	
2736-14	AC AP 7-3 GW ES	

PARAMETER	2736-10	2736-11	2736-12	2736-13	2736-14
Selenium, mg/l	<0.01	0.01	0.01	<0.01	<0.01
Silica, mg/l	58	85	75	85	43
Silver, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium, mg/l	3.1	28	28	24	4.6
Thallium, mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium, mg/l	<0.05	0.12	0.09	0.09	0.12
Zinc, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Mercury, mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCM16	QCM16	QCM16	QCM16	QCM16
Date Collected	10.27.86	10.28.86	10.28.86	10.27.86	10.28.86
Date Analyzed	11/12.86	11/12.86	11/12.86	11/12.86	11/12.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO: 86-2658

Received: 21 OCT 86

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Project: MacDill AFB, Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	WATER SAMPLES	SAMPLED BY
2658-7	DK MD3 SW1 FS		Client
2658-8	DK MD3 SW4 FS		

PARAMETER	2658-7	2658-8
Metals scan (200.7 245.1)		
Aluminum, mg/l	0.25	0.28
Arsenic, mg/l	0.01	0.01
Antimony, mg/l	<0.01	<0.01
Barium, mg/l	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01
Boron, mg/l	1.1	0.50
Cadmium, mg/l	<0.01	<0.01
Calcium, mg/l	280	200
Chromium, mg/l	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05
Copper, mg/l	<0.05	<0.05
Iron, mg/l	0.45	<0.05
Lead, mg/l	<0.01	<0.01
Magnesium, mg/l	610	210
Manganese, mg/l	<0.05	<0.05
Molybdenum, mg/l	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05
Potassium, mg/l	100	70
Selenium, mg/l	0.07 *	0.08 *
Silica, mg/l	3.1	4.2
Silver, mg/l	<0.05	<0.05
Sodium, mg/l	4000	1800
Thallium, mg/l	<0.5	<0.5
Vanadium, mg/l	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2658-7	DK MD3 SW1 ES	Client
2658-8	DK MD3 SW4 ES	

PARAMETER	2658-7	2658-8
Mercury, mg/l	<0.0002	<0.0002
Percent Solids, %	NA	NA
QC Report, number	QCM11	QCM11
Date Collected	10.19.86	10.19.86
Date Analyzed	10/11.86	10/11.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Month.Date extracted/date analyzed.

* Elevated metal level may be due to interference of salt water matrix. Note sodium level.

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Project: MacDill AFB Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2656-2	DK MD3 SW5 ES	Client
2656-3	DK MD3 SW2 ES	
2656-4	DK MD3 SW3 ES	

PARAMETER	2656-2	2656-3	2656-4
Metals scan (200.7 245.1)			
Aluminum, mg/l	0.24	<0.1	<0.1
Arsenic, mg/l	0.01	0.01	0.01
Antimony, mg/l	<0.01	<0.01	<0.01
Barium, mg/l	<0.05	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01
Boron, mg/l	0.72	1.0	0.90
Cadmium, mg/l	<0.01	<0.01	<0.01
Calcium, mg/l	190	260	260
Chromium, mg/l	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05
Iron, mg/l	0.33	0.28	0.30
Lead, mg/l	0.01	<0.01	<0.01
Magnesium, mg/l	310	420	380
Manganese, mg/l	<0.05	<0.05	<0.05
Molybdenum, mg/l	<0.01	0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05
Potassium, mg/l	66	98	87
Selenium, mg/l	0.22 *	0.33 *	0.28 *
Silica, mg/l	2.4	2.1	2.0
Silver, mg/l	<0.05	<0.05	<0.05
Sodium, mg/l	2100	3100	2700
Thallium, mg/l	<0.5	<0.5	<0.5
Vanadium, mg/l	<0.05	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	<0.05

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2656-2	DK MD3 SW5 ES	Client
2656-3	DK MD3 SW2 ES	
2656-4	DK MD3 SW3 ES	

PARAMETER	2656-2	2656-3	2656-4
Mercury mg l	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA
QC Report. number	QCM10	QCM10	QCM10
Date Collected	10.19.86	10.19.86	10.19.86
Date Analyzed*	10.11.86	10.11.86	10.11.86

Methods: EPA 600 4-79-020, SW-846 and 40 CFR Part 136

*Month.Date extracted/date analyzed.

* Elevated metal level may be due to interference of salt water matrix. Note sodium level.

J. W. Andrews

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P. O. Box 13548 • Savannah, GA 31416-0548
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LOG NO: 86-2657

Received: 21 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2657-6	PL MD58 SW1 ES	Client
2657-7	PL MD58 SW5 ES	

PARAMETER	2657-6	2657-7
Metals scan (200.7/245.1)		
Aluminum, mg/l	0.17	<0.1
Arsenic, mg/l	0.01	0.01
Antimony, mg/l	<0.01	<0.01
Barium, mg/l	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01
Boron, mg/l	1.8	1.5
Cadmium, mg/l	<0.01	<0.01
Calcium, mg/l	260	0.01
Chromium, mg/l	<0.05	<0.01
Cobalt, mg/l	<0.05	<0.05
Copper, mg/l	<0.05	<0.05
Iron, mg/l	0.30	0.60
Lead, mg/l	0.03 *	0.02
Magnesium, mg/l	720	460
Manganese, mg/l	<0.05	<0.05
Molybdenum, mg/l	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05
Potassium, mg/l	180	150
Selenium, mg/l	0.08 *	0.07 *
Silica, mg/l	3.5	3.2
Silver, mg/l	<0.05	<0.05
Sodium, mg/l	4300	4200
Thallium, mg/l	<0.5	<0.5
Vanadium, mg/l	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05

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Received: 21 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , WATER SAMPLES	SAMPLED BY
2657-6	PL MD58 SW1 ES	Client
2657-7	PL MD58 SW5 ES	

PARAMETER	2657-6	2657-7
Mercury, mg/l	<0.0002	<0.0002
Percent Solids, %	NA	NA
QC Report, number	QCM10	QCM10
Date Collected	10.20.86	10.20.86
Date Analyzed *	10/11.86	10/11.86

* Month.Date extracted/Date analyzed.

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2657-1	PL MD58 SW3 ES	Client
2657-2	RL MD9 SW2 ES	
2657-3	RL MD9 SW1 ES	
2657-4	PL MD58 SW2 ES	
2657-5	PL MD58 SW4 ES	

PARAMETER	2657-1	2657-2	2657-3	2657-4	2657-5
Metals scan (200.7/245.1)					
Aluminum, mg/l	0.25	0.21	<0.1	0.23	<0.1
Arsenic, mg/l	0.01	0.02 *	0.02 *	<0.01	0.01
Antimony, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Barium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Boron, mg/l	1.7	2.4	1.8	1.7	1.8
Cadmium, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium, mg/l	220	260	270	240	290
Chromium, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Iron, mg/l	0.31	0.19	0.12	0.34	0.44
Lead, mg/l	0.02 *	0.05 *	0.05 *	0.02 *	0.02 *
Magnesium, mg/l	600	850	510	650	640
Manganese, mg/l	<0.05	<0.05	<0.05	<0.05	0.06
Molybdenum, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium, mg/l	170	240	240	180	160

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2657-1	PL MD58 SW3 ES	Client
2657-2	RL MD9 SW2 ES	
2657-3	RL MD9 SW1 ES	
2657-4	PL MD58 SW2 ES	
2657-5	PL MD58 SW4 ES	

PARAMETER	2657-1	2657-2	2657-3	2657-4	2657-5
Selenium. mg/l	0.38 *	0.45 *	0.47 *	0.08 *	0.07 *
Silica. mg/l	1.3	2.7	2.2	4.5	0.45
Silver. mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium. mg/l	4600	6700	6600	4700	4400
Thallium. mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium. mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc. mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
Mercury. mg/l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids. %	NA	NA	NA	NA	NA
QC Report. number	QCM10	QCM10	QCM10	QCM10	QCM10
Date Collected	10.20.86	10.20.86	10.20.86	10.20.86	10.20.86
Date Analyzed	10/11.86	10/11.86	10/11.86	10/11.86	10/11.86

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Received: 22 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2672-13	CM MD11 SW-1 ES	Client
2672-14	CM MD11 SW-2 ES	
2672-15	CM MD11 SW-3 ES	

PARAMETER	2672-13	2672-14	2672-15
Metals scan (200.7/245.1)			
Aluminum, mg/l	0.12	0.35	0.59
Arsenic, mg/l	0.01	0.01	0.01
Antimony, mg/l	<0.01	<0.01	<0.01
Barium, mg/l	<0.05	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01
Boron, mg/l	1.9	2.4	2.7
Cadmium, mg/l	<0.01	<0.01	<0.01
Calcium, mg/l	360	430	460
Chromium, mg/l	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05
Iron, mg/l	0.12	0.35	0.52
Lead, mg/l	0.05 *	0.06 *	0.06 *
Magnesium, mg/l	820	990	1100
Manganese, mg/l	<0.05	<0.05	<0.05
Molybdenum, mg/l	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05
Potassium, mg/l	220	270	310
Selenium, mg/l	0.09 *	0.09 *	0.09 *
Silica, mg/l	3.1	3.0	3.6
Silver, mg/l	<0.05	<0.05	<0.05
Sodium, mg/l	5800	7300	8400
Thallium, mg/l	<0.5	<0.5	<0.5
Vanadium, mg/l	<0.05	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	0.06

LOG NO: 86-2672

Received: 22 OCT 86

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2672-13	CM MD11 SW-1 ES	Client
2672-14	CM MD11 SW-2 ES	
2672-15	CM MD11 SW-3 ES	

PARAMETER	2672-13	2672-14	2672-15
Mercury, mg/l	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA
QC Report, number	QCM20	QCM20	QCM20
Date Collected	10.21.86	10.21.86	10.21.86
Date Analyzed	11.12.86	11.12.86	11.12.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2772-1	AO AP SW-1 ES	Client
2772-2	AO AP SW-2 ES	
2772-3	AO AP SW-3 ES	

PARAMETER	2772-1	2772-2	2772-3
Metals scan (200.7/245.1)			
Aluminum, mg/l	<0.1	<0.1	<1.0
Arsenic, mg/l	<0.01	<0.01	<0.01
Antimony, mg/l	<0.01	<0.01	<0.01
Barium, mg/l	<0.05	<0.05	<0.05
Beryllium, mg/l	<0.01	<0.01	<0.01
Boron, mg/l	<0.05	<0.05	<0.05
Cadmium, mg/l	<0.01	<0.01	<0.01
Calcium, mg/l	8.5	9.0	9.1
Chromium, mg/l	<0.05	<0.05	<0.05
Cobalt, mg/l	<0.05	<0.05	<0.05
Copper, mg/l	<0.05	<0.05	<0.05
Iron, mg/l	2.6	4.8	3.2
Lead, mg/l	<0.01	<0.01	<0.01
Magnesium, mg/l	3.0	3.2	3.2
Manganese, mg/l	<0.05	<0.05	<0.05
Molybdenum, mg/l	<0.01	<0.01	<0.01
Nickel, mg/l	<0.05	<0.05	<0.05
Potassium, mg/l	1.5	2.6	2.8
Selenium, mg/l	<0.01	<0.01	<0.01
Silica, mg/l	11	12	11
Silver, mg/l	<0.05	<0.05	<0.05
Sodium, mg/l	12	13	13
Thallium, mg/l	<0.5	<0.5	<0.5
Vanadium, mg/l	<0.05	<0.05	<0.05
Zinc, mg/l	<0.05	<0.05	<0.05

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Received: 31 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2772-1	AO AP SW-1 ES	Client
2772-2	AO AP SW-2 ES	
2772-3	AO AP SW-3 ES	

PARAMETER	2772-1	2772-2	2772-3
Mercury, mg/l	<0.0002	<0.0002	<0.0002
Percent Solids, %	NA	NA	NA
QC Report, number	PH5/M20	PH5/M20	PH5/M20
Date Collected	10.30.86	10.29.86	10.29.86
Date Analyzed	11.14.86	11.14.86	11.14.86

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LOG NO: 86-2562

Received: 14 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , GROUND WATER SAMPLES	SAMPLED BY
2562-7	DS MD17-1 GW ES	Client
2562-8	DS MD17-2 GW ES	

PARAMETER	2562-7	2562-8
Lead (239.2), mg/l	<0.005	<0.005
Cadmium (213.2), mg/l	<0.0005	<0.0005
Chromium (218.2), mg/l	<0.005	<0.05
Zinc (289.1), mg/l	<0.02	<0.02
Percent Solids, %	NA	NA
QC Report, number	QCM12	QCM12
Date Collected	10.13.86	10.13.86
Date Analyzed	10/11.86	10/11.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Date analyzed 10/11.86 indicates that sample was digested and analyzed in October/November 1986.

* Elevated metal level may due to interference of s. water matrix. Note sodiu level.

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LOG NO: 86-2575

Received: 15 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2575-6	DS MD17-4 GW	Client
2575-7	DS MD17-3 GW ES	

PARAMETER	2575-6	2575-7
Lead (239.2), mg/l	<0.005	<0.005
Cadmium (213.2), mg/l	<0.0005	<0.0005
Chromium (218.2), mg/l	<0.05	<0.05
Zinc (289.1), mg/l	<0.02	<0.02
Percent Solids, %	NA	NA
QC Report, number	QCM12	QCM12
Date Collected	10.14.86	10.14.86
Date Analyzed	10/11.86	10/11.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Date analyzed 10/11.86 indicates that sample was digested and analyzed in October/November.

* Elevated metal level may be due to interference of salt water matrix. Note sodium level.

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LOG NO: 86-2657

Received: 21 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . WATER SAMPLES	SAMPLED BY
2657-8	DS MD17 SW3 ES	Client

PARAMETER	2657-8
Lead (239.2), mg/l	0.03
Cadmium (213.2), mg/l	<0.0005
Chromium (218.2), mg/l	<0.05
Zinc (289.1), mg/l	<0.02
Percent Solids, %	NA
QC Report, number	QCM10
Date Collected	10.20.86
Date Analyzed*	10/11.86

Methods: EPA 600 4-79-020, SW-846 and 40 CFR Part 136

* Month.Date extracted/date analyzed.

* Elevated metal level may be due interference of salt water matri Note sodium level.

J. W. Andrews

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LOG NO: 86-2538

Received: 23 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2538-1	MDB-1 GW ES	Client
2538-2	MDB-2 GW ES	
2538-3	MDB-3 GW ES	
2538-4	MDB-4 GW ES	
2538-5	MDB-5 GW	

PARAMETER	2538-1	2538-2	2538-3	2538-4	2538-5
Lead (239.2), mg/l	<0.005	<0.005	0.01	<0.005	<0.005
Hydrocarbons by IR (418.1), mg/l	<0.10	<0.10	<0.10	0.50	<0.10
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	PH1/M13	PH1/M13	PH1/M13	PH1/M13	PH1/M13
Date Collected	10.09.86	10.09.86	10.09.86	10.09.86	10.09.86
Date Analyzed	10.22.86	10.22.86	10.22.86	10.22.86	10.22.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136
Date analyzed is date of Petroleum hydrocarbon analysis.
Lead was analyzed on 10.21.86.

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LOG NO: 86-2615

Received: 17 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2615-13	FA MD23-2 GW ES	Client
2615-14	FA MD23-9 GW ES	

PARAMETER	2615-13	2615-14
Lead (239.2), mg l	<0.005	<0.005
Percent Solids, %	NA	NA
QC Report, number	QCM12	QCM12
Date Collected	10.16.86	10.16.86
Date Analyzed	10.21.86	10.21.86

Methods: EPA 600 4-79-020, SW-846 and 40 CFR Part 136

Date analyzed - During October/November 1986 (10/11.86)

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LOG NO: 86-2595

Received: 16 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2595-8	FA MD23-6 GW ES	Client
2595-9	FA MD23-4 GW ES	
2595-10	FA MD23-5 GW ES	
2595-11	FA MD23-11 GW ES	
2595-12	FA MD23-14 GW ES	

PARAMETER	2595-8	2595-9	2595-10	2595-11	2595-12
Lead (239.2), mg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Percent Solids, %	NA	NA	NA	NA	NA
QC Report, number	QCM12	QCM12	QCM12	QCM12	QCM12
Date Collected	10.15.86	10.15.86	10.15.86	10.15.86	10.15.86
Date Analyzed	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO: 86-2615

Received: 17 OCT 86

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2615-8	FA MD23-8 GW ES	Client
2615-9	FA MD23-3 GW ES	
2615-10	FA MD23-7 GW ES	
2615-11	FA MD23-16 GW	
2615-12	FA MD23-1 GW ES	

PARAMETER	2615-8	2615-9	2615-10	2615-11	2615-12
Lead (239.2). mg l	<0.005	<0.005	<0.005	<0.005	0.01
Percent Solids. %	NA	NA	NA	NA	NA
QC Report. number	QCM12	QCM12	QCM12	QCM12	QCM12
Date Collected	10.16.86	10.16.86	10.16.86	10.16.86	10.16.86
Date Analyzed	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86

Methods: EPA 600 4-79-020. SW-846 and 40 CFR Part 136

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LOG NO: 86-2595

Received: 16 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . GROUND WATER SAMPLES	SAMPLED BY
2595-13	FA MD23-12 GW ES	Client
2595-14	FA MD23-13 GW ES	

PARAMETER	2595-13	2595-14
Lead (239.2), mg/l	<0.005	<0.005
Percent Solids, %	NA	NA
QC Report, number	QCM12	QCM12
Date Collected	10.15.86	10.15.86
Date Analyzed	10.21.86	10.21.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO. 86-2640

Received 18 OCT 86

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Project: MacDill AFB Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION GROUND WATER SAMPLES	SAMPLED BY
2640-1	FA MD 23-D0 GW ES	Client
2640-2	FA MD 23-D3 GW ES	
2640-3	FA MD 23-D1 GW ES	

PARAMETER	2640-1	2640-2	2640-3
Lead (239.2), mg/l	<0.005	<0.005	<0.005
Hydrocarbons by IR (418.1), mg/l	<0.10	0.12	0.20
Percent Solids %	NA	NA	NA
QC Report, number	M12 PH2	PH2 M12	PH2 M12
Date Collected	10.17.86	10.17.86	10.17.86
Date Analyzed	10.23.86	10.23.86	10.23.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2656-1	FA MD 23-D2 GW FS	Client

PARAMETER	2656-1
Lead (239.2), mg/l	<0.005
Hydrocarbons by IR (418.1), mg/l	<0.10
Percent Solids, %	NA
QC Report, number	PH2 M12
Date Collected	10/19/86
Date Analyzed	10/23/86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2672-21	FT MD16 SW-2 ES	Client

PARAMETER	2672-21
Lead (239.2). mg l	0.02
QC Report, number	QCM17
Date Collected	10.21.86
Date Analyzed	11.12.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SURFACE WATER SAMPLES	SAMPLED BY
2672-16	FT MD16 SW-4 ES	Client
2672-17	FT MD16 SW-5 ES	
2672-18	FT MD16 SW-1 ES	
2672-19	FT MD16 SW-3 ES	
2672-20	FT MD16 SW-6 ES	

PARAMETER	2672-16	2672-17	2672-18	2672-19	2672-20
Lead (239.2), mg l	0.02	0.02	0.06	0.04	0.01
QC Report, number	QCM17	QCM17	QCM17	QCM17	QCM17
Date Collected	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86
Date Analyzed	11.12.86	11.12.86	11.12.86	11.12.86	11.12.86

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Project: MacDill AFB, Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2658-1	DK MD3 SD3 ES	Client
2658-2	DK MD3 SD5 ES	
2658-3	DK MD3 SD2 ES	
2658-4	DK MD3 SD8	
2658-5	DK MD3 SD1 ES	

PARAMETER	2658-1	2658-2	2658-3	2658-4	2658-5
Metals in EP Extract (1310 6010)					
Arsenic (EP Tox), mg l	0.01	<0.01	<0.01	<0.01	<0.01
Barium (EP Tox), mg l	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium (EP-Tox), mg l	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (EP Tox), mg l	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (EP Tox), mg l	<0.01	<0.05	<0.01	<0.05	<0.05
Selenium (EP Tox), mg l	<0.01	<0.01	<0.01	<0.01	<0.01
Silver (EP Tox) mg l	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury - EP Tox (7471),	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	68	68	31	74	60
QC Report, number	QCM13	QCM13	QCM13	QCM13	QCM13
Date Collected	10.19.86	10.19.86	10.19.86	10.19.86	10.19.86
Date Analyzed	10.11.86	10.11.86	10.11.86	10.11.86	10.11.86

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Project: MacDill AFB Phase II

PARTIAL
REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2658-6	DK MD3 SD4 ES	Client

PARAMETER	2658-6
Metals in EP Extract (1310 6010)	
Arsenic (EP Tox), mg/l	<0.01
Barium (EP Tox), mg/l	<0.05
Cadmium (EP-Tox), mg/l	<0.005
Chromium (EP Tox), mg/l	<0.05
Lead (EP Tox), mg/l	<0.01
Selenium (EP Tox), mg/l	<0.01
Silver (EP Tox), mg/l	<0.01
Mercury - EP Tox (7471)	<0.0002
Percent Solids, %	68
QC Report, number	QCM13
Date Collected	10/19/86
Date Analyzed	10/11/86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION	SAMPLED BY
2659-1	PL MD58 SD3 ES	Client
2659-2	DK MD3 SD7 ES	
2659-3	DK MD3 SD6 ES	
2659-4	PL MD58 SD5 ES	
2659-5	PL MD58 SD1 ES	

PARAMETER	2659-1	2659-2	2659-3	2659-4	2659-5
Metals in EP Extract (1310 6010)					
Arsenic (EP Tox), mg l	<0.01	<0.01	0.03	<0.01	<0.01
Barium (EP Tox), mg l	<0.05	<0.05	<0.05	<0.05	<0.05
Cadmium (EP-Tox), mg l	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium (EP Tox), mg l	<0.05	<0.05	<0.05	<0.05	<0.05
Lead (EP Tox), mg l	<0.01	<0.01	<0.01	<0.05	<0.05
Selenium (EP Tox), mg l	<0.01	<0.01	0.02	<0.01	<0.01
Silver (EP Tox), mg l	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury - EP Tox (7471), mg l	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	73	81	87	49	80
QC Report number	QCM13	QCM13	QCM13	QCM13	QCM13
Date Collected	10 20 86	10 20 86	10 20 86	10 20 86	10 20 86
Date Analyzed	10 11 86	10 11 86	10 11 86	10 11 86	10 11 86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SOIL SAMPLES	SAMPLED BY
2659-6	PL MD58 SD2 ES	Client
2659-7	PL MD58 SD4 ES	
2659-8	RL MD9 SD1 ES	
2659-9	RL MD9 SD2 ES	

PARAMETER	2659-6	2659-7	2659-8	2659-9
Metals in EP Extract (1310 6010)				
Arsenic (EP Tox), mg l	<0.01	<0.01	<0.01	<0.01
Barium (EP Tox), mg l	<0.05	<0.05	<0.05	<0.05
Cadmium (EP-Tox), mg l	<0.005	<0.005	<0.005	<0.005
Chromium (EP Tox), mg l	<0.05	<0.05	<0.05	<0.05
Lead (EP Tox), mg l	<0.05	<0.05	<0.01	<0.05
Selenium (EP Tox), mg l	<0.01	<0.01	0.01	<0.01
Silver (EP Tox), mg l	<0.01	<0.01	<0.01	<0.01
Mercury - EP Tox (7471), mg l	<0.0002	<0.0002	<0.0002	<0.0002
Percent Solids, %	73	73	76	71
QC Report, number	QCM13	QCM13	QCM13	QCM13
Date Collected	10.20.86	10.20.86	10.20.86	10.20.86
Date Analyzed	10.11.86	10.11.86	10.11.86	10.11.86

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2672-28	CM MD11 SD-2 ES	Client
2672-29	CM MD11 SD-3 ES	
2672-30	CM MD11 SD-1 ES	

PARAMETER	2672-28	2672-29	2672-30
Metals in EP Extract (1310/6010)			
Arsenic (EP Tox), mg/l	<0.01	<0.01	<0.01
Barium (EP Tox), mg/l	<0.05	<0.05	<0.05
Cadmium (EP-Tox), mg/l	<0.005	<0.005	<0.005
Chromium (EP Tox), mg/l	<0.05	<0.05	<0.05
Lead (EP Tox), mg/l	<0.05	<0.05	<0.05
Selenium (EP Tox), mg/l	<0.01	<0.01	<0.01
Silver (EP Tox), mg/l	<0.01	<0.01	<0.01
Mercury - EP Tox (7471), mg/l	<0.0002	<0.0002	<0.0002
QC Report, number	QCM16	QCM16	QCM16
Date Collected	10.21.86	10.21.86	10.21.86
Date Analyzed	11.12.86	11.12.86	11.12.86

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LOG NO: 86-2772

Received: 31 OCT 86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2772-4	AO AP SD-1 ES	Client
2772-5	AO AP SD-2 ES	
2772-6	AO AP SD-3 ES	
2772-7	AO AP SD-4 ES	

PARAMETER	2772-4	2772-5	2772-6	2772-7
Metals in EP Extract (1310/6010)				
Arsenic (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Barium (EP Tox), mg/l	<0.05	<0.05	<0.05	<0.05
Cadmium (EP-Tox), mg/l	<0.005	<0.005	<0.005	<0.005
Chromium (EP Tox), mg/l	<0.05	<0.05	<0.05	<0.05
Lead (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Selenium (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Silver (EP Tox), mg/l	<0.01	<0.01	<0.01	<0.01
Mercury - EP Tox (7471), mg/l	<0.0002	<0.0002	<0.0002	<0.0002
Hydrocarbons by IR (418.1), mg/kg dw	<1.0	<1.0	<1.0	<1.0
Percent Solids, %	70	77	76	78
QC Report, number	QCM16	QCM16	QCM16	QCM16
Date Collected	10.30.86	10.29.86	10.29.86	10.29.86
Date Analyzed	11/12.86	11/12.86	11/12.86	11/12.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

Date analyzed - Nov./Dec. 1986

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Project: MacDill AFB. Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SOIL SAMPLES	SAMPLED BY
2659-10	DS MD17 SD2 ES	Client
2659-11	DS MD17 SD3 ES 1030	
2659-12	DS MD17 SD3 ES 0830	

PARAMETER	2659-10	2659-11	2659-12
Lead (SW 3050/SW 7420). mg/kg dw	25	30	23
Cadmium (SW 3050/SW 7130). mg/kg dw	0.33	<0.04	0.67
Chromium (SW 3050/SW 7190). mg/kg dw	9.7	4.3	25
Zinc (SW 3050/SW 7950). mg/kg dw	30	5.5	43
Percent Solids. %	73	75	65
QC Report. number	QCM15	QCM15	QCM15
Date Collected	10.20.86	10.20.86	10.20.86
Date Analyzed	11/12.86	11/12.86	11/12.86

Methods: EPA 600/4-79-020. SW-846 and 40 CFR Part 136

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LOG NO: 86-2672

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2672-31	DS MD17 SD-4	Client

PARAMETER	2672-31
Lead (SW 3050/SW 7420), mg/kg dw	46
Cadmium (SW 3050/SW 7130), mg/kg dw	0.31
Chromium (SW 3050/SW 7190), mg/kg dw	11
Zinc (SW 3050/SW 7950), mg/kg dw	33
Percent Solids, %	65
QC Report, number	QCM17
Date Collected	10.20.86
Date Analyzed	11/12.86

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2672-22	FT MD16 SD-3 ES	Client
2672-23	FT MD16 SD-5 ES	
2672-24	FT MD16 SD-4 ES	
2672-25	FT MD16 SD-2 ES	
2672-26	FT MD16 SD-1 ES	

PARAMETER	2672-22	2672-23	2672-24	2672-25	2672-26
Lead (SW 3050/SW 7420), mg/kg dw	13	100	11	35	10
QC Report, number	QCM17	QCM17	QCM17	QCM17	QCM17
Date Collected	10.21.86	10.21.86	10.21.86	10.21.86	10.21.86
Date Analyzed	11.12.86	11.12.86	11.12.86	11.12.86	11.12.86

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Project: MacDill AFB, Phase II

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION . SEDIMENT SAMPLES	SAMPLED BY
2672-27	FT MD16 SD-6 ES	Client

PARAMETER	2672-27
Lead (SW 3050/SW 7420), mg/kg dw	51
QC Report, number	QCM17
Date Collected	10.21.86
Date Analyzed	11.12.86

APPENDIX J.2

LABORATORY DATA SHEETS

AUGUST 1987 SAMPLES

601 ANALYSIS

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LOG NO: 87-2430

Received: 17 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-44	MD B-1, GW,ES (Detection Limits)	Client
2430-45	MD B-1, GW,ES (Conc. Column 1)	
2430-46	MD B-1, GW,ES (Conc. Column 2)	
2430-47	MD B-1, GW,ES (RT Column 1)	
2430-48	MD B-1, GW,ES (RT Column 2)	

PARAMETER	2430-44	2430-45	2430-46	2430-47	2430-48
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	0.38	ND	12.25	NR
Chloromethane, ug/l	1.0	1.1	ND	1.96	NR
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-44	MD B-1, GW,ES (Detection Limits)	Client
2430-45	MD B-1, GW,ES (Conc. Column 1)	
2430-46	MD B-1, GW,ES (Conc. Column 2)	
2430-47	MD B-1, GW,ES (RT Column 1)	
2430-48	MD B-1, GW,ES (RT Column 2)	

PARAMETER	2430-44	2430-45	2430-46	2430-47	2430-48
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.62	1.3	7.20	9.32
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromomethane, ug/l	1	ND	—	—	—

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LOG NO: 87-2430

Received: 17 AUG 87

Mr. Walter J. Duncan
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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-64	MD B-2, GW,ES (Detection Limits)	Client
2430-65	MD B-2, GW,ES (Conc. Column 1)	
2430-66	MD B-2, GW,ES (Conc. Column 2)	
2430-67	MD B-2, GW,ES (RT Column 1)	
2430-68	MD B-2, GW,ES (RT Column 2)	

PARAMETER	2430-64	2430-65	2430-66	2430-67	2430-68
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND			
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	1.1	1.1	25.2	18.35
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	4.7	ND	1.96	ND
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-64	MD B-2, GW,ES (Detection Limits)	Client
2430-65	MD B-2, GW,ES (Conc. Column 1)	
2430-66	MD B-2, GW,ES (Conc. Column 2)	
2430-67	MD B-2, GW,ES (RT Column 1)	
2430-68	MD B-2, GW,ES (RT Column 2)	

PARAMETER	2430-64	2430-65	2430-66	2430-67	2430-68
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.72	1.6	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND			
Dichlorobromoethane, ug/l	1	ND			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-59	MD B-3, GW,ES (Detection Limits)	Client
2430-60	MD B-3, GW,ES (Conc. Column 1)	
2430-61	MD B-3, GW,ES (Conc. Column 2)	
2430-62	MD B-3, GW,ES (RT Column 1)	
2430-63	MD B-3, GW,ES (RT Column 2)	

PARAMETER	2430-59	2430-60	2430-61	2430-62	2430-63
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	---	---	---
Bromoform, ug/l	1.0	ND	---	---	---
Bromomethane, ug/l	1.0	ND	---	---	---
Carbon Tetrachloride, ug/l	0.3	ND	---	---	---
Chlorobenzene, ug/l	1.0	ND	---	---	---
Chloroethane, ug/l	0.8	ND	---	---	---
2-Chloroethylvinyl Ether, ug/l	1.0	ND	---	---	---
Chloroform, ug/l	0.2	ND	---	---	---
Chloromethane, ug/l	1.0	ND	---	---	---
Dibromochloromethane, ug/l	0.5	ND	---	---	---
1,2-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,3-Dichlorobenzene, ug/l	0.5	ND	---	---	---
1,4-Dichlorobenzene, ug/l	0.5	ND	---	---	---
Dichlorodifluoromethane, ug/l	1.0	ND	---	---	---
1,1-Dichloroethane, ug/l	0.3	ND	---	---	---
1,2-Dichloroethane, ug/l	0.2	ND	---	---	---
1,1-Dichloroethylene, ug/l	0.4	ND	---	---	---
trans-1,2-Dichloroethene, ug/l	0.3	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-59	MD B-3, GW,ES (Detection Limits)	Client
2430-60	MD B-3, GW,ES (Conc. Column 1)	
2430-61	MD B-3, GW,ES (Conc. Column 2)	
2430-62	MD B-3, GW,ES (RT Column 1)	
2430-63	MD B-3, GW,ES (RT Column 2)	

PARAMETER	2430-59	2430-60	2430-61	2430-62	2430-63
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.52	1.1	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND			
Dichlorobromoethane, ug/l	1	ND			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-49	MD B-4, GW,ES (Detection Limits)	Client
2430-50	MD B-4, GW,ES (Conc. Column 1)	
2430-51	MD B-4, GW,ES (Conc. Column 2)	
2430-52	MD B-4, GW,ES (RT Column 1)	
2430-53	MD B-4, GW,ES (RT Column 2)	

PARAMETER	2430-49	2430-50	2430-51	2430-52	2430-53
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-49	MD B-4, GW,ES (Detection Limits)	Client
2430-50	MD B-4, GW,ES (Conc. Column 1)	
2430-51	MD B-4, GW,ES (Conc. Column 2)	
2430-52	MD B-4, GW,ES (RT Column 1)	
2430-53	MD B-4, GW,ES (RT Column 2)	

PARAMETER	2430-49	2430-50	2430-51	2430-52	2430-53
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.71	1.1	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromomethane, ug/l	1	ND	—	—	—

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LOG NO: 87-2627

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2627-1	MD B-5, GW,ES (Detection Limit)	Client
2627-2	MD B-5, GW,ES (Conc. Column 1)	
2627-3	MD B-5, GW,ES (Conc. Column 2)	
2627-4	MD B-5, GW,ES (RT Column 1)	
2627-5	MD B-5, GW,ES (RT Column 2)	

PARAMETER	2627-1	2627-2	2627-3	2627-4	2627-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	NR	NR	NR
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	2.6	1.4	1.95	3.96
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	8.2	ND	11.60	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2627-1	MD B-5, GW,ES (Detection Limit)	Client
2627-2	MD B-5, GW,ES (Conc. Column 1)	
2627-3	MD B-5, GW,ES (Conc. Column 2)	
2627-4	MD B-5, GW,ES (RT Column 1)	
2627-5	MD B-5, GW,ES (RT Column 2)	

PARAMETER	2627-1	2627-2	2627-3	2627-4	2627-5
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	3.3	ND	17.20	NR
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-54	MD B-6, GW,ES (Detection Limits)	Client
2430-55	MD B-6, GW,ES (Conc. Column 1)	
2430-56	MD B-6, GW,ES (Conc. Column 2)	
2430-57	MD B-6, GW,ES (RT Column 1)	
2430-58	MD B-6, GW,ES (RT Column 2)	

PARAMETER		2430-54	2430-55	2430-56	2430-57	2430-58
Purgeable Halocarbons (601)						
Bromodichloromethane, ug/l	0.4	ND	—	—	—	
Bromoform, ug/l	1.0	ND	—	—	—	
Bromomethane, ug/l	1.0	ND	—	—	—	
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—	
Chlorobenzene, ug/l	1.0	ND	—	—	—	
Chloroethane, ug/l	0.8	ND	—	—	—	
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—	
Chloroform, ug/l	0.2	ND	—	—	—	
Chloromethane, ug/l	1.0	1.1	ND	1.96	NR	
Dibromochloromethane, ug/l	0.5	ND	—	—	—	
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—	
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—	
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—	
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—	
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—	
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—	
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—	
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-54	MD B-6, GW,ES (Detection Limits)	Client
2430-55	MD B-6, GW,ES (Conc. Column 1)	
2430-56	MD B-6, GW,ES (Conc. Column 2)	
2430-57	MD B-6, GW,ES (RT Column 1)	
2430-58	MD B-6, GW,ES (RT Column 2)	

PARAMETER	2430-54	2430-55	2430-56	2430-57	2430-58
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND			
Dichlorobromoethane, ug/l	1	ND			

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-1	MD 58-1, GW,ES (Detection Limits)	Client
2427-2	MD 58-1, GW,ES (Conc. Column 1)	
2427-3	MD 58-1, GW,ES (Conc. Column 2)	
2427-4	MD 58-1, GW,ES (RT Column 1)	
2427-5	MD 58-1, GW,ES (RT Column 2)	

PARAMETER	2427-1	2427-2	2427-3	2427-4	2427-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	1.7	1.0	1.98	4.0
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-1	MD 58-1, GW,ES (Detection Limits)	Client
2427-2	MD 58-1, GW,ES (Conc. Column 1)	
2427-3	MD 58-1, GW,ES (Conc. Column 2)	
2427-4	MD 58-1, GW,ES (RT Column 1)	
2427-5	MD 58-1, GW,ES (RT Column 2)	

PARAMETER	2427-1	2427-2	2427-3	2427-4	2427-5
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	—	—
Dichlorobromoethane, ug/l	1	ND	NR	—	—

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LOG NO: 87-2427

Received: 14 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-16	MD 58-2, GW,ES (Detection Limits)	Client
2427-17	MD 58-2, GW,ES (Conc. Column 1)	
2427-18	MD 58-2, GW,ES (Conc. Column 2)	
2427-19	MD 58-2, GW,ES (RT Column 1)	
2427-20	MD 58-2, GW,ES (RT Column 2)	

PARAMETER	2427-16	2427-17	2427-18	2427-19	2427-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	NR	NR
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2427-16	MD 58-2, GW,ES (Detection Limits)	Client
2427-17	MD 58-2, GW,ES (Conc. Column 1)	
2427-18	MD 58-2, GW,ES (Conc. Column 2)	
2427-19	MD 58-2, GW,ES (RT Column 1)	
2427-20	MD 58-2, GW,ES (RT Column 2)	

PARAMETER	2427-16	2427-17	2427-18	2427-19	2427-20
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	0.2	ND	17.03	NR
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	ND	NR	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-26	MD 58-3, GW,ES (Detection Limits)	Client
2427-27	MD 58-3, GW,ES (Conc. Column 1)	
2427-28	MD 58-3, GW,ES (Conc. Column 2)	
2427-29	MD 58-3, GW,ES (RT Column 1)	
2427-30	MD 58-3, GW,ES (RT Column 2)	

PARAMETER	2427-26	2427-27	2427-28	2427-29	2427-30
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	NR	NR
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	4.5	2.6	1.96	4.0
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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2427-26	MD 58-3, GW,ES (Detection Limits)	Client
2427-27	MD 58-3, GW,ES (Conc. Column 1)	
2427-28	MD 58-3, GW,ES (Conc. Column 2)	
2427-29	MD 58-3, GW,ES (RT Column 1)	
2427-30	MD 58-3, GW,ES (RT Column 2)	

PARAMETER	2427-26	2427-27	2427-28	2427-29	2427-30
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-41	MD 58-4, GW,ES (Detection Limits)	Client
2427-42	MD 58-4, GW,ES (Conc. Column 1)	
2427-43	MD 58-4, GW,ES (Conc. Column 2)	
2427-44	MD 58-4, GW,ES (PT Column 1)	
2427-45	MD 58-4, GW,ES (PT Column 2)	

PARAMETER	2427-41	2427-42	2427-43	2427-44	2427-45
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	9.4	3.9	25.05	9.48
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	ND	ND	—	—
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	16	ND	38.73	18.16
Dichlorodifluoromethane, ug/l	1.0	ND	5.8	—	—
1,1-Dichloroethane, ug/l	0.3	1.7	ND	10.83	11.84
1,2-Dichloroethane, ug/l	0.2	ND	4.3	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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2427-41	MD 58-4, GW,ES (Detection Limits)	Client
2427-42	MD 58-4, GW,ES (Conc. Column 1)	
2427-43	MD 58-4, GW,ES (Conc. Column 2)	
2427-44	MD 58-4, GW,ES (RT Column 1)	
2427-45	MD 58-4, GW,ES (RT Column 2)	

PARAMETER	2427-41	2427-42	2427-43	2427-44	2427-45
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-51	MD 58-5, GW,ES (Detection Limits)	Client
2427-52	MD 58-5, GW,ES (Conc. Column 1)	
2427-53	MD 58-5, GW,ES (Conc. Column 2)	
2427-54	MD 58-5, GW,ES (RT Column 1)	
2427-55	MD 58-5, GW,ES (RT Column 2)	

PARAMETER	2427-51	2427-52	2427-53	2427-54	2427-55
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	9.3	ND	1.95	NR
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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2427-51	MD 58-5, GW,ES (Detection Limits)	Client
2427-52	MD 58-5, GW,ES (Conc. Column 1)	
2427-53	MD 58-5, GW,ES (Conc. Column 2)	
2427-54	MD 58-5, GW,ES (RT Column 1)	
2427-55	MD 58-5, GW,ES (RT Column 2)	

PARAMETER	2427-51	2427-52	2427-53	2427-54	2427-55
1,2-Dichloropropane, ug/l	0.5	ND	ND	---	---
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	---	---
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	---	---
Methylene Chloride, ug/l	0.5	ND	ND	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	---	---
Tetrachloroethylene, ug/l	0.5	ND	ND	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	---	---
Trichloroethylene, ug/l	0.2	ND	ND	---	---
Trichlorofluoromethane, ug/l	0.5	ND	ND	---	---
Vinyl Chloride, ug/l	1.0	ND	ND	---	---
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-56	MD 58-6, GW,ES (Detection Limits)	Client
2427-57	MD 58-6, GW,ES (Conc. Column 1)	
2427-58	MD 58-6, GW,ES (Conc. Column 2)	
2427-59	MD 58-6, GW,ES (RT Column 1)	
2427-60	MD 58-6, GW,ES (RT Column 2)	

PARAMETER	2427-56	2427-57	2427-58	2427-59	2427-60
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	29	1.0	1.98	4.05
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-56	MD 58-6, GW,ES (Detection Limits)	Client
2427-57	MD 58-6, GW,ES (Conc. Column 1)	
2427-58	MD 58-6, GW,ES (Conc. Column 2)	
2427-59	MD 58-6, GW,ES (RT Column 1)	
2427-60	MD 58-6, GW,ES (RT Column 2)	

PARAMETER	2427-56	2427-57	2427-58	2427-59	2427-60
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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2427-61	MD 58-7, GW,ES (Detection Limits)	Client
2427-62	MD 58-7, GW,ES (Conc. Column 1)	
2427-63	MD 58-7, GW,ES (Conc. Column 2)	
2427-64	MD 58-7, GW,ES (RT Column 1)	
2427-65	MD 58-7, GW,ES (RT Column 2)	

PARAMETER	2427-61	2427-62	2427-63	2427-64	2427-65
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	12	ND	1.86	NR
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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LOG NO: 87-2427

Received. 14 AUG 87

Mr. Walter J. Duncan
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57 Executive Park South,, Suite 590
Atlanta, Georgia 30329

Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-61	MD 58-7, GW,ES (Detection Limits)	Client
2427-62	MD 58-7, GW,ES (Conc. Column 1)	
2427-63	MD 58-7, GW,ES (Conc. Column 2)	
2427-64	MD 58-7, GW,ES (RT Column 1)	
2427-65	MD 58-7, GW,ES (RT Column 2)	

PARAMETER	2427-61	2427-62	2427-63	2427-64	2427-65
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-6	MD SW 58-1, ES (Detection Limits)	Client
2427-7	MD SW 58-1, ES (Conc. Column 1)	
2427-8	MD SW 58-1, ES (Conc. Column 2)	
2427-9	MD SW 58-1, ES (RT Column 1)	
2427-10	MD SW 58-1, ES (RT Column 2)	

PARAMETER	2427-6	2427-7	2427-8	2427-9	2427-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	NR	NR
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	6.7	ND	1.92	NR
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	2.1	0.6	10.76	11.17
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-6	MD SW 58-1, ES (Detection Limits)	Client
2427-7	MD SW 58-1, ES (Conc. Column 1)	
2427-8	MD SW 58-1, ES (Conc. Column 2)	
2427-9	MD SW 58-1, ES (RT Column 1)	
2427-10	MD SW 58-1, ES (RT Column 2)	

PARAMETER	2427-6	2427-7	2427-8	2427-9	2427-10
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-21	MD SW 58-2, ES (Detection Limits)	Client
2427-22	MD SW 58-2, ES (Conc. Column 1)	
2427-23	MD SW 58-2, ES (Conc. Column 2)	
2427-24	MD SW 58-2, ES (RT Column 1)	
2427-25	MD SW 58-2, ES (RT Column 2)	

PARAMETER	2427-21	2427-22	2427-23	2427-24	2427-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	NR	NR	NR
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-21	MD SW 58-2, ES (Detection Limits)	Client
2427-22	MD SW 58-2, ES (Conc. Column 1)	
2427-23	MD SW 58-2, ES (Conc. Column 2)	
2427-24	MD SW 58-2, ES (RT Column 1)	
2427-25	MD SW 58-2, ES (RT Column 2)	

PARAMETER	2427-21	2427-22	2427-23	2427-24	2427-25
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-31	MD SW 58-3, ES (Detection Limits)	Client
2427-32	MD SW 58-3, ES (Conc. Column 1)	
2427-33	MD SW 58-3, ES (Conc. Column 2)	
2427-34	MD SW 58-3, ES (RT Column 1)	
2427-35	MD SW 58-3, ES (RT Column 2)	

PARAMETER	2427-31	2427-32	2427-33	2427-34	2427-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	6.3	ND	1.97	NR
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-31	MD SW 58-3, ES (Detection Limits)	Client
2427-32	MD SW 58-3, ES (Conc. Column 1)	
2427-33	MD SW 58-3, ES (Conc. Column 2)	
2427-34	MD SW 58-3, ES (RT Column 1)	
2427-35	MD SW 58-3, ES (RT Column 2)	

PARAMETER	2427-31	2427-32	2427-33	2427-34	2427-35
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-36	MD SW 58-4, ES (Detection Limits)	Client
2427-37	MD SW 58-4, ES (Conc. Column 1)	
2427-38	MD SW 58-4, ES (Conc. Column 2)	
2427-39	MD SW 58-4, ES (RT Column 1)	
2427-40	MD SW 58-4, ES (RT Column 2)	

PARAMETER	2427-36	2427-37	2427-38	2427-39	2427-40
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	10	3.6	1.90	3.02
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	0.9	ND	11.5	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-36	MD SW 58-4, ES (Detection Limits)	Client
2427-37	MD SW 58-4, ES (Conc. Column 1)	
2427-38	MD SW 58-4, ES (Conc. Column 2)	
2427-39	MD SW 58-4, ES (RT Column 1)	
2427-40	MD SW 58-4, ES (RT Column 2)	

PARAMETER	2427-36	2427-37	2427-38	2427-39	2427-40
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	2.5	ND	14.04	NR
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-46	MD SW 58-5, ES (Detection Limits)	Client
2427-47	MD SW 58-5, ES (Conc. Column 1)	
2427-48	MD SW 58-5, ES (Conc. Column 2)	
2427-49	MD SW 58-5, ES (RT Column 1)	
2427-50	MD SW 58-5, ES (RT Column 2)	

PARAMETER	2427-46	2427-47	2427-48	2427-49	2427-50
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	ND	—	—
Bromoform, ug/l	1.0	ND	ND	—	—
Bromomethane, ug/l	1.0	ND	ND	—	—
Carbon Tetrachloride, ug/l	0.3	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
Chloroethane, ug/l	0.8	ND	ND	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	ND	—	—
Chloroform, ug/l	0.2	ND	ND	—	—
Chloromethane, ug/l	1.0	9.7	2.2	1.92	3.6
Dibromochloromethane, ug/l	0.5	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	ND	—	—
1,1-Dichloroethane, ug/l	0.3	ND	ND	—	—
1,2-Dichloroethane, ug/l	0.2	ND	ND	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	ND	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	ND	—	—

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2427-47	MD SW 58-5, ES (Conc. Column 1)	
2427-48	MD SW 58-5, ES (Conc. Column 2)	
2427-49	MD SW 58-5, ES (RT Column 1)	
2427-50	MD SW 58-5, ES (RT Column 2)	

PARAMETER	2427-46	2427-47	2427-48	2427-49	2427-50
1,2-Dichloropropane, ug/l	0.5	ND	ND	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	ND	—	—
Methylene Chloride, ug/l	0.5	ND	ND	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	ND	—	—
Tetrachloroethylene, ug/l	0.5	ND	ND	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	ND	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	ND	—	—
Trichloroethylene, ug/l	0.2	ND	ND	—	—
Trichlorofluoromethane, ug/l	0.5	ND	ND	—	—
Vinyl Chloride, ug/l	1.0	ND	ND	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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SAVANNAH LABORATORIES AND ENVIRONMENTAL SERVICES, INC.
P. O. Box 13548 • Savannah, GA 31416-0548
Whitfield Avenue at Shipyard Road (31406)
(912) 354-7858

LOG NO: 87-2427

Received: 14 AUG 87

Mr. Walter J. Duncan
Engineering-Science
57 Executive Park South,, Suite 590
Atlanta, Georgia 30329

Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-11	MD SW 58-6, ES (Detection Limits)	Client
2427-12	MD SW 58-6, ES (Conc. Column 1)	
2427-13	MD SW 58-6, ES (Conc. Column 2)	
2427-14	MD SW 58-6, ES (RT Column 1)	
2427-15	MD SW 58-6, ES (RT Column 2)	

PARAMETER	2427-11	2427-12	2427-13	2427-14	2427-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	NR	NR	NR
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-11	MD SW 58-6, ES (Detection Limits)	Client
2427-12	MD SW 58-6, ES (Conc. Column 1)	
2427-13	MD SW 58-6, ES (Conc. Column 2)	
2427-14	MD SW 58-6, ES (RT Column 1)	
2427-15	MD SW 58-6, ES (RT Column 2)	

PARAMETER	2427-11	2427-12	2427-13	2427-14	2427-15
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO: 87-2426

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-1	MD 9-2, GW,ES (Detection Limits)	Client
2426-2	MD 9-2, GW,ES (Conc. Column 1)	
2426-3	MD 9-2, GW,ES (Conc. Column 2)	
2426-4	MD 9-2, GW,ES (RT Column 1)	
2426-5	MD 9-2, GW,ES (RT Column 2)	

PARAMETER	2426-1	2426-2	2426-3	2426-4	2426-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-1	MD 9-2, GW,ES (Detection Limits)	Client
2426-2	MD 9-2, GW,ES (Conc. Column 1)	
2426-3	MD 9-2, GW,ES (Conc. Column 2)	
2426-4	MD 9-2, GW,ES (RT Column 1)	
2426-5	MD 9-2, GW,ES (RT Column 2)	

PARAMETER	2426-1	2426-2	2426-3	2426-4	2426-5
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-6	MD 9-3, GW,ES (Detection Limits)	Client
2426-7	MD 9-3, GW,ES (Conc. Column 1)	
2426-8	MD 9-3, GW,ES (Conc. Column 2)	
2426-9	MD 9-3, GW,ES (RT Column 1)	
2426-10	MD 9-3, GW,ES (RT Column 2)	

PARAMETER	2426-6	2426-7	2426-8	2426-9	2426-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2426-7	MD 9-3, GW,ES (Conc. Column 1)	
2426-8	MD 9-3, GW,ES (Conc. Column 2)	
2426-9	MD 9-3, GW,ES (RT Column 1)	
2426-10	MD 9-3, GW,ES (RT Column 2)	

PARAMETER	2426-6	2426-7	2426-8	2426-9	2426-10
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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Received: 12 AUG 87

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-10	MD 9-4, GW,ES (Detection Limits)	Client
2424-11	MD 9-4, GW,ES (Conc. Column 1)	
2424-12	MD 9-4, GW,ES (Conc. Column 2)	
2424-13	MD 9-4, GW,ES (RT Column 1)	
2424-14	MD 9-4, GW,ES (RT Column 2)	

PARAMETER	2424-10	2424-11	2424-12	2424-13	2424-14
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2424-10	MD 9-4, GW,ES (Detection Limits)	Client
2424-11	MD 9-4, GW,ES (Conc. Column 1)	
2424-12	MD 9-4, GW,ES (Conc. Column 2)	
2424-13	MD 9-4, GW,ES (RT Column 1)	
2424-14	MD 9-4, GW,ES (RT Column 2)	

PARAMETER	2424-10	2424-11	2424-12	2424-13	2424-14
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-21	MD 9-5, GW,ES (Detection Limits)	Client
2426-22	MD 9-5, GW,ES (Conc. Column 1)	
2426-23	MD 9-5, GW,ES (Conc. Column 2)	
2426-24	MD 9-5, GW,ES (RT Column 1)	
2426-25	MD 9-5, GW,ES (RT Column 2)	

PARAMETER	2426-21	2426-22	2426-23	2426-24	2426-25
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2426-21	MD 9-5, GW,ES (Detection Limits)	Client
2426-22	MD 9-5, GW,ES (Conc. Column 1)	
2426-23	MD 9-5, GW,ES (Conc. Column 2)	
2426-24	MD 9-5, GW,ES (RT Column 1)	
2426-25	MD 9-5, GW,ES (RT Column 2)	

PARAMETER	2426-21	2426-22	2426-23	2426-24	2426-25
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	4.8	0.88	7.10	9.34
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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2426-26	MD 9-6, GW,ES (Detection Limits)	Client
2426-27	MD 9-6, GW,ES (Conc.Column 1)	
2426-28	MD 9-6, GW,ES (Conc.Column 2)	
2426-29	MD 9-6, GW,ES (RT Column 1)	
2426-30	MD 9-6, GW,ES (RT Column 2)	

PARAMETER	2426-26	2426-27	2426-28	2426-29	2426-30
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-26	MD 9-6, GW,ES (Detection Limits)	Client
2426-27	MD 9-6, GW,ES (Conc.Column 1)	
2426-28	MD 9-6, GW,ES (Conc.Column 2)	
2426-29	MD 9-6, GW,ES (RT Column 1)	
2426-30	MD 9-6, GW,ES (RT Column 2)	

PARAMETER	2426-26	2426-27	2426-28	2426-29	2426-30
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	0.2	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	0.2	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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LOG NO: 87-2426

Received: 13 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-31	MD 9-7, GW,ES (Detection Limits)	Client
2426-32	MD 9-7, GW,ES (Conc. Column 1)	
2426-33	MD 9-7, GW,ES (Conc. Column 2)	
2426-34	MD 9-7, GW,ES (RT Column 1)	
2426-35	MD 9-7, GW,ES (RT Column 2)	

PARAMETER	2426-31	2426-32	2426-33	2426-34	2426-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-31	MD 9-7, GW,ES (Detection Limits)	Client
2426-32	MD 9-7, GW,ES (Conc. Column 1)	
2426-33	MD 9-7, GW,ES (Conc. Column 2)	
2426-34	MD 9-7, GW,ES (RT Column 1)	
2426-35	MD 9-7, GW,ES (RT Column 2)	

PARAMETER	2426-31	2426-32	2426-33	2426-34	2426-35
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-16	MD SW 9-1, ES (Detection Limits)	Client
2426-17	MD SW 9-1, ES (Conc. Column 1)	
2426-18	MD SW 9-1, ES (Conc. Column 2)	
2426-19	MD SW 9-1, ES (RT Column 1)	
2426-20	MD SW 9-1, ES (RT Column 2)	

PARAMETER	2426-16	2426-17	2426-18	2426-19	2426-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	0.41	ND	12.25	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-16	MD SW 9-1, ES (Detection Limits)	Client
2426-17	MD SW 9-1, ES (Conc. Column 1)	
2426-18	MD SW 9-1, ES (Conc. Column 2)	
2426-19	MD SW 9-1, ES (RT Column 1)	
2426-20	MD SW 9-1, ES (RT Column 2)	

PARAMETER	2426-16	2426-17	2426-18	2426-19	2426-20
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	0.32	ND	14.23	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	0.55	ND	17.20	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-11	MD SW 9-2, ES (Detection Limits)	Client
2426-12	MD SW 9-2, ES (Conc. Column 1)	
2426-13	MD SW 9-2, ES (Conc. Column 2)	
2426-14	MD SW 9-2, ES (RT Column 1)	
2426-15	MD SW 9-2, ES (RT Column 2)	

PARAMETER		2426-11	2426-12	2426-13	2426-14	2426-15
Purgeable Halocarbons (601)						
Bromodichloromethane,	ug/l	0.4	ND	—	—	—
Bromoform,	ug/l	1.0	ND	—	—	—
Bromomethane,	ug/l	1.0	ND	—	—	—
Carbon Tetrachloride,	ug/l	0.3	ND	—	—	—
Chlorobenzene,	ug/l	1.0	ND	—	—	—
Chloroethane,	ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether,	ug/l	1.0	ND	—	—	—
Chloroform,	ug/l	0.2	0.47	0.45	12.25	9.92
Chloromethane,	ug/l	1.0	ND	—	—	—
Dibromochloromethane,	ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene,	ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene,	ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene,	ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane,	ug/l	1.0	ND	—	—	—
1,1-Dichloroethane,	ug/l	0.3	ND	—	—	—
1,2-Dichloroethane,	ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene,	ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene,	ug/l	0.3	ND	—	—	—

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2426-11	MD SW 9-2, ES (Detection Limits)	Client
2426-12	MD SW 9-2, ES (Conc. Column 1)	
2426-13	MD SW 9-2, ES (Conc. Column 2)	
2426-14	MD SW 9-2, ES (RT Column 1)	
2426-15	MD SW 9-2, ES (RT Column 2)	

PARAMETER	2426-11	2426-12	2426-13	2426-14	2426-15
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-36	MD SW 9-3, ES (Detection Limits)	Client
2426-37	MD SW 9-3, ES (Conc. Column 1)	
2426-38	MD SW 9-3, ES (Conc. Column 2)	
2426-39	MD SW 9-3, ES (RT Column 1)	
2426-40	MD SW 9-3, ES (RT Column 2)	

PARAMETER	2426-36	2426-37	2426-38	2426-39	2426-40
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-36	MD SW 9-3, ES (Detection Limits)	Client
2426-37	MD SW 9-3, ES (Conc. Column 1)	
2426-38	MD SW 9-3, ES (Conc. Column 2)	
2426-39	MD SW 9-3, ES (RT Column 1)	
2426-40	MD SW 9-3, ES (RT Column 2)	

PARAMETER	2426-36	2426-37	2426-38	2426-39	2426-40
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	—	—	—
Dichlorobromoethane, ug/l	1	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-41	MD SW 9-4, ES (Detection Limits)	Client
2426-42	MD SW 9-4, ES (Conc. Column 1)	
2426-43	MD SW 9-4, ES (Conc. Column 2)	
2426-44	MD SW 9-4, ES (RT Column 1)	
2426-45	MD SW 9-4, ES (RT Column 2)	

PARAMETER	2426-41	2426-42	2426-43	2426-44	2426-45
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-41	MD SW 9-4, ES (Detection Limits)	Client
2426-42	MD SW 9-4, ES (Conc. Column 1)	
2426-43	MD SW 9-4, ES (Conc. Column 2)	
2426-44	MD SW 9-4, ES (RT Column 1)	
2426-45	MD SW 9-4, ES (RT Column 2)	

PARAMETER	2426-41	2426-42	2426-43	2426-44	2426-45
1,2-Dichloropropane, ug/l	0.5	ND	---	---	---
cis-1,3-Dichloropropene, ug/l	1.0	ND	---	---	---
trans-1,3-Dichloropropene, ug/l	1.0	ND	---	---	---
Methylene Chloride, ug/l	0.5	ND	---	---	---
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	---	---	---
Tetrachloroethylene, ug/l	0.5	ND	---	---	---
1,1,1-Trichloroethane, ug/l	0.3	ND	---	---	---
1,1,2-Trichloroethane, ug/l	0.3	ND	---	---	---
Trichloroethylene, ug/l	0.2	ND	---	---	---
Trichlorofluoromethane, ug/l	0.5	ND	---	---	---
Vinyl Chloride, ug/l	1.0	ND	---	---	---
Bis(chloromethyl)Ether, ug/l	1	ND	---	---	---
Dichlorobromoethane, ug/l	1	ND	---	---	---

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-26	MD 17-1, GW,ES (Detection Limits)	Client
2430-27	MD 17-1, GW,ES (Conc. Column 1)	
2430-28	MD 17-1, GW,ES (Conc. Column 2)	
2430-29	MD 17-1, GW,ES (RT Column 1)	
2430-30	MD 17-1, GW,ES (RT Column 2)	

PARAMETER		2430-26	2430-27	2430-28	2430-29	2430-30
Purgeable Halocarbons (601)						
Bromodichloromethane,	ug/l	0.4	ND	—	NR	NR
Bromoform,	ug/l	1.0	ND	—	—	—
Bromomethane,	ug/l	1.0	ND	—	—	—
Carbon Tetrachloride,	ug/l	0.3	ND	—	—	—
Chlorobenzene,	ug/l	1.0	ND	—	—	—
Chloroethane,	ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether,	ug/l	1.0	ND	—	—	—
Chloroform,	ug/l	0.2	ND	—	—	—
Chloromethane,	ug/l	1.0	ND	—	—	—
Dibromochloromethane,	ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene,	ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene,	ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene,	ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane,	ug/l	1.0	ND	—	—	—
1,1-Dichloroethane,	ug/l	0.3	22	28	10.90	11.74
1,2-Dichloroethane,	ug/l	0.2	0.32	0.80	12.90	15.2
1,1-Dichloroethylene,	ug/l	0.4	61	42	9.69	6.56
trans-1,2-Dichloroethene,	ug/l	0.3	ND	—	—	—

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LOG NO: 87-2430

Received: 17 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-26	MD 17-1, GW,ES (Detection Limits)	Client
2430-27	MD 17-1, GW,ES (Conc. Column 1)	
2430-28	MD 17-1, GW,ES (Conc. Column 2)	
2430-29	MD 17-1, GW,ES (RT Column 1)	
2430-30	MD 17-1, GW,ES (RT Column 2)	

PARAMETER	2430-26	2430-27	2430-28	2430-29	2430-30
1,2-Dicnloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.62	0.65	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	1.9	ND	14.22	NR
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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REPORT OF ANALYTICAL RESULTS

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2430-21	MD 17-2, GW,ES (Detection Limits)	Client
2430-22	MD 17-2, GW,ES (Conc. Column 1)	
2430-23	MD 17-2, GW,ES (Conc. Column 2)	
2430-24	MD 17-2, GW,ES (RT Column 1)	
2430-25	MD 17-2, GW,ES (RT Column 2)	

PARAMETER		2430-21	2430-22	2430-23	2430-24	2430-25
Purgeable Halocarbons (601)						
Bromodichloromethane, ug/l	0.4	ND	—	—	—	
Bromoform, ug/l	1.0	ND	—	—	—	
Bromomethane, ug/l	1.0	ND	—	—	—	
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—	
Chlorobenzene, ug/l	1.0	ND	—	—	—	
Chloroethane, ug/l	0.8	ND	—	—	—	
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—	
Chloroform, ug/l	0.2	ND	—	—	—	
Chloromethane, ug/l	1.0	ND	—	—	—	
Dibromochloromethane, ug/l	0.5	ND	—	—	—	
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—	
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—	
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—	
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—	
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—	
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—	
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—	
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—	

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-21	MD 17-2, GW,ES (Detection Limits)	Client
2430-22	MD 17-2, GW,ES (Conc. Column 1)	
2430-23	MD 17-2, GW,ES (Conc. Column 2)	
2430-24	MD 17-2, GW,ES (RT Column 1)	
2430-25	MD 17-2, GW,ES (RT Column 2)	

PARAMETER		2430-21	2430-22	2430-23	2430-24	2430-25
1,2-Dichloropropane, ug/l		0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l		1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l		1.0	ND	—	—	—
Methylene Chloride, ug/l		0.5	0.72	2.1	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l		0.5	ND	—	—	—
Tetrachloroethylene, ug/l		0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l		0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l		0.3	ND	—	—	—
Trichloroethylene, ug/l		0.2	ND	—	—	—
Trichlorofluoromethane, ug/l		0.5	ND	—	—	—
Vinyl Chloride, ug/l		1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l		1	ND	NR	NR	NR
Dichlorobromoethane, ug/l		1	ND	NR	NR	NR

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2430-11	MD 17-3, GW,ES (Detection Limits)	Client
2430-12	MD 17-3, GW,ES (Conc. Column 1)	
2430-13	MD 17-3, GW,ES (Conc. Column 2)	
2430-14	MD 17-3, GW,ES (RT Column 1)	
2430-15	MD 17-3, GW,ES (RT Column 2)	

PARAMETER	2430-11	2430-12	2430-13	2430-14	2430-15
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	3.5	ND	1.95	NR
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2430-11	MD 17-3, GW,ES (Detection Limits)	Client
2430-12	MD 17-3, GW,ES (Conc. Column 1)	
2430-13	MD 17-3, GW,ES (Conc. Column 2)	
2430-14	MD 17-3, GW,ES (RT Column 1)	
2430-15	MD 17-3, GW,ES (RT Column 2)	

PARAMETER	2430-11	2430-12	2430-13	2430-14	2430-15
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.66	1.2	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-6	MD 17-4, GW,ES (Detection Limits)	Client
2430-7	MD 17-4, GW,ES (Conc. Column 1)	
2430-8	MD 17-4, GW,ES (Conc. Column 2)	
2430-9	MD 17-4, GW,ES (RT Column 1)	
2430-10	MD 17-4, GW,ES (RT Column 2)	

PARAMETER	2430-6	2430-7	2430-8	2430-9	2430-10
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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Project: A1001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-6	MD 17-4, GW,ES (Detection Limits)	Client
2430-7	MD 17-4, GW,ES (Conc. Column 1)	
2430-8	MD 17-4, GW,ES (Conc. Column 2)	
2430-9	MD 17-4, GW,ES (RT Column 1)	
2430-10	MD 17-4, GW,ES (RT Column 2)	

PARAMETER	2430-6	2430-7	2430-8	2430-9	2430-10
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	0.59	0.97	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-16	MD 17-5, GW,ES (Detection Limits)	Client
2430-17	MD 17-5, GW,ES (Conc. Column 1)	
2430-18	MD 17-5, GW,ES (Conc. Column 2)	
2430-19	MD 17-5, GW,ES (RT Column 1)	
2430-20	MD 17-5, GW,ES (RT Column 2)	

PARAMETER	2430-16	2430-17	2430-18	2430-19	2430-20
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2430-16	MD 17-5, GW,ES (Detection Limits)	Client
2430-17	MD 17-5, GW,ES (Conc. Column 1)	
2430-18	MD 17-5, GW,ES (Conc. Column 2)	
2430-19	MD 17-5, GW,ES (RT Column 1)	
2430-20	MD 17-5, GW,ES (RT Column 2)	

PARAMETER	2430-16	2430-17	2430-18	2430-19	2430-20
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-1	MD SW 17-3, ES (Detection Limits)	Client
2430-2	MD SW 17-3, ES (Conc. Column 1)	
2430-3	MD SW 17-3, ES (Conc. Column 2)	
2430-4	MD SW 17-3, ES (RT Column 1)	
2430-5	MD SW 17-3, ES (RT Column 2)	

PARAMETER	2430-1	2430-2	2430-3	2430-4	2430-5
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	ND	—	—	—
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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2430-2	MD SW 17-3, ES (Conc. Column 1)	
2430-3	MD SW 17-3, ES (Conc. Column 2)	
2430-4	MD SW 17-3, ES (RT Column 1)	
2430-5	MD SW 17-3, ES (RT Column 2)	

PARAMETER	2430-1	2430-2	2430-3	2430-4	2430-5
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	ND	—	—	—
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

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LOG NO: 87-2430

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-31	MD SW 17-4, ES (Detection Limits)	Client
2430-32	MD SW 17-4, ES (Conc. Column 1)	
2430-33	MD SW 17-4, ES (Conc. Column 2)	
2430-34	MD SW 17-4, ES (RT Column 1)	
2430-35	MD SW 17-4, ES (RT Column 2)	

PARAMETER	2430-31	2430-32	2430-33	2430-34	2430-35
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND	—	—	—
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	0.2	—	—	—
Chloromethane, ug/l	1.0	4.6	0.35	1.96	3.96
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-31	MD SW 17-4, ES (Detection Limits)	Client
2430-32	MD SW 17-4, ES (Conc. Column 1)	
2430-33	MD SW 17-4, ES (Conc. Column 2)	
2430-34	MD SW 17-4, ES (RT Column 1)	
2430-35	MD SW 17-4, ES (RT Column 2)	

PARAMETER	2430-31	2430-32	2430-33	2430-34	2430-35
1,2-Dichloropropane, ug/l	0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l	1.0	ND	—	—	—
Methylene Chloride, ug/l	0.5	1.1	1.3	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l	0.5	ND	—	—	—
Tetrachloroethylene, ug/l	0.5	ND	—	—	—
1,1,1-Trichloroethane, ug/l	0.3	ND	—	—	—
1,1,2-Trichloroethane, ug/l	0.3	ND	—	—	—
Trichloroethylene, ug/l	0.2	ND	—	—	—
Trichlorofluoromethane, ug/l	0.5	ND	—	—	—
Vinyl Chloride, ug/l	1.0	ND	—	—	—
Bis(chloromethyl)Ether, ug/l	1	ND	NR	NR	NR
Dichlorobromoethane, ug/l	1	ND	NR	NR	NR

602/8020 ANALYSIS

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-44	MD B-1, GW,ES (Detection Limits)	Client
2430-45	MD B-1, GW,ES (Conc. Column 1)	
2430-46	MD B-1, GW,ES (Conc. Column 2)	
2430-47	MD B-1, GW,ES (RT Column 1)	
2430-48	MD B-1, GW,ES (RT Column 2)	

PARAMETER	2430-44	2430-45	2430-46	2430-47	2430-48
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.14.87		—	—	—
Date Analyzed	08.28.87*		—	—	—
Dilution factor,	1.0		—	—	—
Percent Solids,	NA		—	—	—
QC Report ID for above	QCV-2		—	—	—

*Date Confirmed 08.28.87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-64	MD B-2, GW,ES (Detection Limits)	Client
2430-65	MD B-2, GW,ES (Conc. Column 1)	
2430-66	MD B-2, GW,ES (Conc. Column 2)	
2430-67	MD B-2, GW,ES (RT Column 1)	
2430-68	MD B-2, GW,ES (RT Column 2)	

PARAMETER	2430-64	2430-65	2430-66	2430-67	2430-68
Purgeable Aromatics (8020)					
Benzene, ug/l	0.5	0.94	ND	17.54	NR
Chlorobenzene, ug/l	1.0	1.0	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	5.3	7.8	27.06	8.55
Toluene, ug/l	1.0	2.3	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87 *	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

*Date Confirmed 08.28.87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-59	MD B-3, GW,ES (Detection Limits)	Client
2430-60	MD B-3, GW,ES (Conc. Column 1)	
2430-61	MD B-3, GW,ES (Conc. Column 2)	
2430-62	MD B-3, GW,ES (RT Column 1)	
2430-63	MD B-3, GW,ES (RT Column 2)	

PARAMETER	2430-59	2430-60	2430-61	2430-62	2430-63
Purgeable Aromatics (8020)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87*	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

*Date Confirmed 08.28.87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-49	MD B-4, GW,ES (Detection Limits)	Client
2430-50	MD B-4, GW,ES (Conc. Column 1)	
2430-51	MD B-4, GW,ES (Conc. Column 2)	
2430-52	MD B-4, GW,ES (RT Column 1)	
2430-53	MD B-4, GW,ES (RT Column 2)	

PARAMETER	2430-49	2430-50	2430-51	2430-52	2430-53
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87*	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

*Date Confirmed 08.28.87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2627-1	MD B-5, GW,ES (Detection Limit)	Client
2627-2	MD B-5, GW,ES (Conc. Column 1)	
2627-3	MD B-5, GW,ES (Conc. Column 2)	
2627-4	MD B-5, GW,ES (RT Column 1)	
2627-5	MD B-5, GW,ES (RT Column 2)	

PARAMETER	2627-1	2627-2	2627-3	2627-4	2627-5
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.17.87	08.17.87	—	—	—
Date Analyzed	08.28.87	08.28.87	—	—	—
Dilution factor,	1.0	1.0	—	—	—
Percent Solids, %	NA	NA	—	—	—
QC Report ID for above,	QCV-2	QCVP-2	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-54	MD B-6, GW,ES (Detection Limits)	Client
2430-55	MD B-6, GW,ES (Conc. Column 1)	
2430-56	MD B-6, GW,ES (Conc. Column 2)	
2430-57	MD B-6, GW,ES (RT Column 1)	
2430-58	MD B-6, GW,ES (RT Column 2)	

PARAMETER	2430-54	2430-55	2430-56	2430-57	2430-58
Purgeable Aromatics (8020)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87 *	—	—	—	—
Dilution factor, ug/l	1.0	—	—	—	—
Percent Solids, ug/l	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

*Date Confirmed 08.28.87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-1	MD 58-1, GW,ES (Detection Limits)	Client
2427-2	MD 58-1, GW,ES (Conc. Column 1)	
2427-3	MD 58-1, GW,ES (Conc. Column 2)	
2427-4	MD 58-1, GW,ES (RT Column 1)	
2427-5	MD 58-1, GW,ES (RT Column 2)	

PARAMETER	2427-1	2427-2	2427-3	2427-4	2427-5
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87		—	—	—
Date Analyzed	08.26.87		—	—	—
Dilution factor,	5.0 *	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Samples foamed, therefore, dilution was required prior to analysis.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-16	MD 58-2, GW,ES (Detection Limits)	Client
2427-17	MD 58-2, GW,ES (Conc. Column 1)	
2427-18	MD 58-2, GW,ES (Conc. Column 2)	
2427-19	MD 58-2, GW,ES (RT Column 1)	
2427-20	MD 58-2, GW,ES (RT Column 2)	

PARAMETER	2427-16	2427-17	2427-18	2427-19	2427-20
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87		—	—	—
Date Analyzed	08.26.87		—	—	—
Dilution factor, mg/l	2.0		—	—	—
Percent Solids, mg/l	NA		—	—	—
QC Report ID for above, mg/l	QCV-1		—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-26	MD 58-3, GW,ES (Detection Limits)	Client
2427-27	MD 58-3, GW,ES (Conc. Column 1)	
2427-28	MD 58-3, GW,ES (Conc. Column 2)	
2427-29	MD 58-3, GW,ES (RT Column 1)	
2427-30	MD 58-3, GW,ES (RT Column 2)	

PARAMETER	2427-26	2427-27	2427-28	2427-29	2427-30
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.26.87	—	—	—	—
Dilution factor,	2.0*	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Samples foamed, therefore, dilution was required prior to analysis.

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-41	MD 58-4, GW,ES (Detection Limits)	Client
2427-42	MD 58-4, GW,ES (Conc. Column 1)	
2427-43	MD 58-4, GW,ES (Conc. Column 2)	
2427-44	MD 58-4, GW,ES (RT Column 1)	
2427-45	MD 58-4, GW,ES (RT Column 2)	

PARAMETER	2427-41	2427-42	2427-43	2427-44	2427-45
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	11	5.7	17.50	3.39
Chlorobenzene, ug/l	1.0	9.4	3.9	25.05	9.48
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	16	5.8	38.73	18.16
Ethylbenzene, ug/l	1.0	ND	ND	—	—
Toluene, ug/l	1.0	ND	ND	—	—
Xylenes, ug/l	1.0	ND	ND	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.26.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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P. O. Box 13548 • Savannah, GA 31416-0548
Whitfield Avenue at Shipyard Road (31406)
(912) 354-7858

LOG NO: 87-2427

Received: 14 AUG 87

Mr. Walter J. Duncan
Engineering-Science
57 Executive Park South,, Suite 590
Atlanta, Georgia 30329

Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-51	MD 58-5, GW,ES (Detection Limits)	Client
2427-52	MD 58-5, GW,ES (Conc. Column 1)	
2427-53	MD 58-5, GW,ES (Conc. Column 2)	
2427-54	MD 58-5, GW,ES (RT Column 1)	
2427-55	MD 58-5, GW,ES (RT Column 2)	

PARAMETER	2427-51	2427-52	2427-53	2427-54	2427-55
Purgeable Aromatics (602)					
Benzene, ug/l	0.5.	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

James W. Andrews, Ph.D.
President

Janette M. Davis
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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-56	MD 58-6, GW,ES (Detection Limits)	Client
2427-57	MD 58-6, GW,ES (Conc. Column 1)	
2427-58	MD 58-6, GW,ES (Conc. Column 2)	
2427-59	MD 58-6, GW,ES (RT Column 1)	
2427-60	MD 58-6, GW,ES (RT Column 2)	

PARAMETER	2427-56	2427-57	2427-58	2427-59	2427-60
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	2.0 *	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Sample foamed, therefore, dilution was required prior to analysis.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-61	MD 58-7, GW,ES (Detection Limits)	Client
2427-62	MD 58-7, GW,ES (Conc. Column 1)	
2427-63	MD 58-7, GW,ES (Conc. Column 2)	
2427-64	MD 58-7, GW,ES (RT Column 1)	
2427-65	MD 58-7, GW,ES (RT Column 2)	

PARAMETER	2427-61	2427-62	2427-63	2427-64	2427-65
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-6	MD SW 58-1, ES (Detection Limits)	Client
2427-7	MD SW 58-1, ES (Conc. Column 1)	
2427-8	MD SW 58-1, ES (Conc. Column 2)	
2427-9	MD SW 58-1, ES (RT Column 1)	
2427-10	MD SW 58-1, ES (RT Column 2)	

PARAMETER	2427-6	2427-7	2427-8	2427-9	2427-10
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-21	MD SW 58-2, ES (Detection Limits)	Client
2427-22	MD SW 58-2, ES (Conc. Column 1)	
2427-23	MD SW 58-2, ES (Conc. Column 2)	
2427-24	MD SW 58-2, ES (RT Column 1)	
2427-25	MD SW 58-2, ES (RT Column 2)	

PARAMETER	2427-21	2427-22	2427-23	2427-24	2427-25
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-31	MD SW 58-3, ES (Detection Limits)	Client
2427-32	MD SW 58-3, ES (Conc. Column 1)	
2427-33	MD SW 58-3, ES (Conc. Column 2)	
2427-34	MD SW 58-3, ES (RT Column 1)	
2427-35	MD SW 58-3, ES (RT Column 2)	

PARAMETER	2427-31	2427-32	2427-33	2427-34	2427-35
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	2.0 *	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Sample foamed, therefore, dilution was required prior to analysis.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-36	MD SW 58-4, ES (Detection Limits)	Client
2427-37	MD SW 58-4, ES (Conc. Column 1)	
2427-38	MD SW 58-4, ES (Conc. Column 2)	
2427-39	MD SW 58-4, ES (RT Column 1)	
2427-40	MD SW 58-4, ES (RT Column 2)	

PARAMETER	2427-36	2427-37	2427-38	2427-39	2427-40
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-46	MD SW 58-5, ES (Detection Limits)	Client
2427-47	MD SW 58-5, ES (Conc. Column 1)	
2427-48	MD SW 58-5, ES (Conc. Column 2)	
2427-49	MD SW 58-5, ES (RT Column 1)	
2427-50	MD SW 58-5, ES (RT Column 2)	

PARAMETER	2427-46	2427-47	2427-48	2427-49	2427-50
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.26.87	—	—	—	—
Dilution factor,	2.0*	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Sample foamed, therefore, dilution was required prior to analysis.

James W. Andrews, Ph.D.
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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-11	MD SW 58-6, ES (Detection Limits)	Client
2427-12	MD SW 58-6, ES (Conc. Column 1)	
2427-13	MD SW 58-6, ES (Conc. Column 2)	
2427-14	MD SW 58-6, ES (RT Column 1)	
2427-15	MD SW 58-6, ES (RT Column 2)	

PARAMETER	2427-11	2427-12	2427-13	2427-14	2427-15
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	ND	—	—
Chlorobenzene, ug/l	1.0	ND	ND	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	ND	—	—
Ethylbenzene, ug/l	1.0	ND	ND	—	—
Toluene, ug/l	1.0	280	ND	23.77	NR
Xylenes, ug/l	1.0	ND	ND	—	—
QA Data for 601 and 602					
Date Collected	08.13.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	5.0*	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-1	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Samples foamed, therefore, dilution was required prior to analysis.

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Received: 13 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-1	MD 9-2, GW,ES (Detection Limits)	Client
2426-2	MD 9-2, GW,ES (Conc. Column 1)	
2426-3	MD 9-2, GW,ES (Conc. Column 2)	
2426-4	MD 9-2, GW,ES (RT Column 1)	
2426-5	MD 9-2, GW,ES (RT Column 2)	

PARAMETER	2426-1	2426-2	2426-3	2426-4	2426-5
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	5.0*	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Sample foamed; therefore, dilution was required prior to analysis.

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-6	MD 9-3, GW,ES (Detection Limits)	Client
2426-7	MD 9-3, GW,ES (Conc. Column 1)	
2426-8	MD 9-3, GW,ES (Conc. Column 2)	
2426-9	MD 9-3, GW,ES (RT Column 1)	
2426-10	MD 9-3, GW,ES (RT Column 2)	

PARAMETER	2426-6	2426-7	2426-8	2426-9	2426-10
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	4.7	5.8	17.50	14.65
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	5.0*	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO: 87-2424

Received: 12 AUG 87

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-10	MD 9-4, GW,ES (Detection Limits)	Client
2424-11	MD 9-4, GW,ES (Conc. Column 1)	
2424-12	MD 9-4, GW,ES (Conc. Column 2)	
2424-13	MD 9-4, GW,ES (RT Column 1)	
2424-14	MD 9-4, GW,ES (RT Column 2)	

PARAMETER	2424-10	2424-11	2424-12	2424-13	2424-14
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.11.87	—	—	—	—
Date Analyzed	08.24.87	—	—	—	—
Dilution factor,	5.0	—	—	—	—
Percent Solids, %	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846, and 40 CFR Part 136

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LOG NO: 87-2426

Received: 13 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-21	MD 9-5, GW,ES (Detection Limits)	Client
2426-22	MD 9-5, GW,ES (Conc. Column 1)	
2426-23	MD 9-5, GW,ES (Conc. Column 2)	
2426-24	MD 9-5, GW,ES (RT Column 1)	
2426-25	MD 9-5, GW,ES (RT Column 2)	

PARAMETER	2426-21	2426-22	2426-23	2426-24	2426-25
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.25.87*	—	—	—	—
Dilution factor,	2.0**	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Confirmed 08.26.87

** Sample foamed; therefore, dilution was required prior to analysis.

James W. Andrews, Ph.D.
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LOG NO: 87-2426

Received: 13 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-26	MD 9-6, GW,ES (Detection Limits)	Client
2426-27	MD 9-6, GW,ES (Conc.Column 1)	
2426-28	MD 9-6, GW,ES (Conc.Column 2)	
2426-29	MD 9-6, GW,ES (RT Column 1)	
2426-30	MD 9-6, GW,ES (RT Column 2)	

PARAMETER	2426-26	2426-27	2426-28	2426-29	2426-30
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.24.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-31	MD 9-7, GW,ES (Detection Limits)	Client
2426-32	MD 9-7, GW,ES (Conc. Column 1)	
2426-33	MD 9-7, GW,ES (Conc. Column 2)	
2426-34	MD 9-7, GW,ES (RT Column 1)	
2426-35	MD 9-7, GW,ES (RT Column 2)	

PARAMETER	2426-31	2426-32	2426-33	2426-34	2426-35
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	2.0*	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

* Sample foamed; therefore, dilution was required prior to analysis.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-16	MD SW 9-1, ES (Detection Limits)	Client
2426-17	MD SW 9-1, ES (Conc. Column 1)	
2426-18	MD SW 9-1, ES (Conc. Column 2)	
2426-19	MD SW 9-1, ES (RT Column 1)	
2426-20	MD SW 9-1, ES (RT Column 2)	

PARAMETER	2426-16	2426-17	2426-18	2426-19	2426-20
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.25.87*	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Confirmed 08.26.87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-11	MD SW 9-2, ES (Detection Limits)	Client
2426-12	MD SW 9-2, ES (Conc. Column 1)	
2426-13	MD SW 9-2, ES (Conc. Column 2)	
2426-14	MD SW 9-2, ES (RT Column 1)	
2426-15	MD SW 9-2, ES (RT Column 2)	

PARAMETER	2426-11	2426-12	2426-13	2426-14	2426-15
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.24.87*	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-36	MD SW 9-3, ES (Detection Limits)	Client
2426-37	MD SW 9-3, ES (Conc. Column 1)	
2426-38	MD SW 9-3, ES (Conc. Column 2)	
2426-39	MD SW 9-3, ES (RT Column 1)	
2426-40	MD SW 9-3, ES (RT Column 2)	

PARAMETER	2426-36	2426-37	2426-38	2426-39	2426-40
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.25.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-41	MD SW 9-4, ES (Detection Limits)	Client
2426-42	MD SW 9-4, ES (Conc. Column 1)	
2426-43	MD SW 9-4, ES (Conc. Column 2)	
2426-44	MD SW 9-4, ES (RT Column 1)	
2426-45	MD SW 9-4, ES (RT Column 2)	

PARAMETER	2426-41	2426-42	2426-43	2426-44	2426-45
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.12.87	—	—	—	—
Date Analyzed	08.24.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above,	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-26	MD 17-1, GW,ES (Detection Limits)	Client
2430-27	MD 17-1, GW,ES (Conc. Column 1)	
2430-28	MD 17-1, GW,ES (Conc. Column 2)	
2430-29	MD 17-1, GW,ES (RT Column 1)	
2430-30	MD 17-1, GW,ES (RT Column 2)	

PARAMETER	2430-26	2430-27	2430-28	2430-29	2430-30
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	NR	NR	NR
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	1.1	ND	23.9	NR
Xylenes, ug/l	1.0	1.3	ND	31.84	—
QA Data for 601 and 602					
Date Collected	08.14.87		—	—	—
Date Analyzed	08.28.87*		—	—	—
Dilution factor,	1.0		—	—	—
Percent Solids,	NA		—	—	—
QC Report ID for above	QCV-2		—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Date Confirmed 08.28.87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-21	MD 17-2, GW,ES (Detection Limits)	Client
2430-22	MD 17-2, GW,ES (Conc. Column 1)	
2430-23	MD 17-2, GW,ES (Conc. Column 2)	
2430-24	MD 17-2, GW,ES (RT Column 1)	
2430-25	MD 17-2, GW,ES (RT Column 2)	

PARAMETER	2430-21	2430-22	2430-23	2430-24	2430-25
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.14.87		—	—	—
Date Analyzed	08.28.87		—	—	—
Dilution factor,	1.0		—	—	—
Percent Solids,	NA		—	—	—
QC Report ID for above,	QCV-2		—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-11	MD 17-3, GW,ES (Detection Limits)	Client
2430-12	MD 17-3, GW,ES (Conc. Column 1)	
2430-13	MD 17-3, GW,ES (Conc. Column 2)	
2430-14	MD 17-3, GW,ES (RT Column 1)	
2430-15	MD 17-3, GW,ES (RT Column 2)	

PARAMETER	2430-11	2430-12	2430-13	2430-14	2430-15
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87	—	—	—	—
Dilution factor, ug/l	1.0	—	—	—	—
Percent Solids, ug/l	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-6	MD 17-4, GW,ES (Detection Limits)	Client
2430-7	MD 17-4, GW,ES (Conc. Column 1)	
2430-8	MD 17-4, GW,ES (Conc. Column 2)	
2430-9	MD 17-4, GW,ES (RT Column 1)	
2430-10	MD 17-4, GW,ES (RT Column 2)	

PARAMETER	2430-6	2430-7	2430-8	2430-9	2430-10
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87*	—	—	—	—
Dilution factor, ug/l	1.0	—	—	—	—
Percent Solids, ug/l	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Date Confirmed 08.28.87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-16	MD 17-5, GW,ES (Detection Limits)	Client
2430-17	MD 17-5, GW,ES (Conc. Column 1)	
2430-18	MD 17-5, GW,ES (Conc. Column 2)	
2430-19	MD 17-5, GW,ES (RT Column 1)	
2430-20	MD 17-5, GW,ES (RT Column 2)	

PARAMETER	2430-16	2430-17	2430-18	2430-19	2430-20
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-1	MD SW 17-3, ES (Detection Limits)	Client
2430-2	MD SW 17-3, ES (Conc. Column 1)	
2430-3	MD SW 17-3, ES (Conc. Column 2)	
2430-4	MD SW 17-3, ES (RT Column 1)	
2430-5	MD SW 17-3, ES (RT Column 2)	

PARAMETER	2430-1	2430-2	2430-3	2430-4	2430-5
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	1.8	ND	23.9	NR
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87 *	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Date Confirmed 08.28.87

James W. Andrews, Ph.D.
President

Janette M. Davis
Vice-President

SAVANNAH LABORATORIES
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P. O. Box 13548 • Savannah, GA 31416-0548
Whitfield Avenue at Shipyard Road (31406)
(912) 354-7858

LOG NO: 87-2430

Received: 17 AUG 87

Mr. Walter J. Duncan
Engineering-Science
57 Executive Park South,, Suite 590
Atlanta, Georgia 30329

Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-31	MD SW 17-4, ES (Detection Limits)	Client
2430-32	MD SW 17-4, ES (Conc. Column 1)	
2430-33	MD SW 17-4, ES (Conc. Column 2)	
2430-34	MD SW 17-4, ES (RT Column 1)	
2430-35	MD SW 17-4, ES (RT Column 2)	

PARAMETER	2430-31	2430-32	2430-33	2430-34	2430-35
Purgeable Aromatics (602)					
Benzene, ug/l	0.5	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for 601 and 602					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87 *	—	—	—	—
Dilution factor, ug/l	1.0	—	—	—	—
Percent Solids, ug/l	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

*Date Confirmed 08.28.87

625 ANALYSIS

James W. Andrews, Ph.D.
President

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LOG NO: 87-2427

Received: 14 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-66	MD 58-1, GW,ES	Client
2427-67	MD SW 58-1, ES	
2427-68	MD SW 58-6, ES	
2427-69	MD 58-2, GW,ES	
2427-70	MD SW 58-2, ES	

PARAMETER	2427-66	2427-67	2427-68	2427-69	2427-70
BN-A Extractables					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-66	MD 58-1, GW,ES	Client
2427-67	MD SW 58-1, ES	
2427-68	MD SW 58-6, ES	
2427-69	MD 58-2, GW,ES	
2427-70	MD SW 58-2, ES	

PARAMETER	2427-66	2427-67	2427-68	2427-69	2427-70
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-66	MD 58-1, GW,ES	Client
2427-67	MD SW 58-1, ES	
2427-68	MD SW 58-6, ES	
2427-69	MD 58-2, GW,ES	
2427-70	MD SW 58-2, ES	

PARAMETER	2427-66	2427-67	2427-68	2427-69	2427-70
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-66	MD 58-1, GW,ES	Client
2427-67	MD SW 58-1, ES	
2427-68	MD SW 58-6, ES	
2427-69	MD 58-2, GW,ES	
2427-70	MD SW 58-2, ES	

PARAMETER	2427-66	2427-67	2427-68	2427-69	2427-70
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-66	MD 58-1, GW,ES	Client
2427-67	MD SW 58-1, ES	
2427-68	MD SW 58-6, ES	
2427-69	MD 58-2, GW,ES	
2427-70	MD SW 58-2, ES	

PARAMETER	2427-66	2427-67	2427-68	2427-69	2427-70
Surrogates - Semivolatiles					
Phenol-5, % Rec.	42	72	49	10	27
2-Fluorophenol, % Rec.	48	70	42	1.1	17
2,4,6-Tribromophenol, % Rec.	49	118	21	0	19
d-5 Nitrobenzene, % Rec.	84	69	82	65	42
2-Fluorobiphenyl, % Rec.	85	73	87	88	73
Terphenyl, % Rec.	29	86	55	110	38
QA Data for A/BN Extractables					
Date Collected	08.13.87	08.13.87	08.13.87	08.13.87	08.13.87
Date Extracted	08.18.87	08.17.87	08.18.87	08.18.87	08.18.87
Date Analyzed	09.24.87	09.24.87	09.24.87	09.24.87	09.15.87
Dilution factor	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
QC Report ID for above	QC625-2	QC625-2	QC625-2	QC625-2	QC625-2

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-71	MD 58-3, GW,ES	Client
2427-72	MD SW 58-3, ES	
2427-73	MD SW 58-4, ES	
2427-74	MD 58-4, GW,ES	
2427-75	MD SW 58-5, ES	

PARAMETER	2427-71	2427-72	2427-73	2427-74	2427-75
BN-A Extractables					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-71	MD 58-3, GW,ES	Client
2427-72	MD SW 58-3, ES	
2427-73	MD SW 58-4, ES	
2427-74	MD 58-4, GW,ES	
2427-75	MD SW 58-5, ES	

PARAMETER	2427-71	2427-72	2427-73	2427-74	2427-75
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-71	MD 58-3, GW,ES	Client
2427-72	MD SW 58-3, ES	
2427-73	MD SW 58-4, ES	
2427-74	MD 58-4, GW,ES	
2427-75	MD SW 58-5, ES	

PARAMETER	2427-71	2427-72	2427-73	2427-74	2427-75
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-71	MD 58-3, GW,ES	Client
2427-72	MD SW 58-3, ES	
2427-73	MD SW 58-4, ES	
2427-74	MD 58-4, GW,ES	
2427-75	MD SW 58-5, ES	

PARAMETER	2427-71	2427-72	2427-73	2427-74	2427-75
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-71	MD 58-3, GW,ES	Client
2427-72	MD SW 58-3, ES	
2427-73	MD SW 58-4, ES	
2427-74	MD 58-4, GW,ES	
2427-75	MD SW 58-5, ES	

PARAMETER	2427-71	2427-72	2427-73	2427-74	2427-75
Surrogates - Semivolatiles					
Phenol-5, % Rec.	44	57	67	32	60
2-Fluorophenol, % Rec.	49	51	82	37	61
2,4,6-Tribromophenol, % Rec.	39	84	33	59	51
d-5 Nitrobenzene, % Rec.	86	78	108	91	89
2-Fluorobiphenyl, % Rec.	91	83	97	88	94
Terphenyl, % Rec.	46	119	44	67	65
QA Data for A/BN Extractables					
Date Collected	08.13.87	08.13.87	08.13.87	08.13.87	08.13.87
Date Extracted	08.18.87	08.18.87	08.17.87	08.17.87	08.17.87
Date Analyzed	09.24.87	09.24.87	09.23.87	09.24.87	09.23.87
Dilution factor	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
QC Report ID for above	QC625-2	QC625-2	QC625-2	QC625-2	QC625-2

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-76	MD 58-5, GW,ES	Client
2427-77	MD 58-6, GW,ES	
2427-78	MD 58-7, GW,ES	

PARAMETER	2427-76	2427-77	2427-78
BN-A Extractables			
Acenaphthene, ug/l	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND
Anthracene, ug/l	ND	ND	ND
Aldrin, ug/l	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND
Chlordane, ug/l	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND

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LOG NO: 87-2427

Received: 14 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-76	MD 58-5, GW,ES	Client
2427-77	MD 58-6, GW,ES	
2427-78	MD 58-7, GW,ES	

PARAMETER	2427-76	2427-77	2427-78
Chrysene, ug/l	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-76	MD 58-5, GW,ES	Client
2427-77	MD 58-6, GW,ES	
2427-78	MD 58-7, GW,ES	

PARAMETER	2427-76	2427-77	2427-78
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-76	MD 58-5, GW,ES	Client
2427-77	MD 58-6, GW,ES	
2427-78	MD 58-7, GW,ES	

PARAMETER	2427-76	2427-77	2427-78
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Surrogates - Semivolatiles			
Phenol-5, % Rec.	15	28	29
2-Fluorophenol, % Rec.	19	27	25
2,4,6-Tribromophenol, % Rec.	54	59	46
d-5 Nitrobenzene, % Rec.	45	65	58
2-Fluorobiphenyl, % Rec.	62	91	79
Terphenyl, % Rec.	44	119	105

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2427-76	MD 58-5, GW,ES	Client
2427-77	MD 58-6, GW,ES	
2427-78	MD 58-7, GW,ES	

PARAMETER	2427-76	2427-77	2427-78
QA Data for A/BN Extractables			
Date Collected	08.13.87	08.13.87	08.13.87
Date Extracted	08.17.87	08.18.87	08.18.87
Date Analyzed	09.23.87	09.24.87	09.23.87
Dilution factor	1	1	1
Percent Solids, %	NA	NA	NA
QC Report ID for above	QC625-2	QC625-2	QC625-2

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-46	MD 9-2, GW,ES	Client
2426-47	MD 9-3, GW,ES	
2426-48	MD SW 9-2, ES	
2426-49	MD SW 9-1, ES	
2426-50	MD 9-5, GW,ES	

PARAMETER	2426-46	2426-47	2426-48	2426-49	2426-50
BN-A Extractables					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-46	MD 9-2, GW,ES	Client
2426-47	MD 9-3, GW,ES	
2426-48	MD SW 9-2, ES	
2426-49	MD SW 9-1, ES	
2426-50	MD 9-5, GW,ES	

PARAMETER	2426-46	2426-47	2426-48	2426-49	2426-50
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-46	MD 9-2, GW,ES	Client
2426-47	MD 9-3, GW,ES	
2426-48	MD SW 9-2, ES	
2426-49	MD SW 9-1, ES	
2426-50	MD 9-5, GW,ES	

PARAMETER	2426-46	2426-47	2426-48	2426-49	2426-50
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-46	MD 9-2, GW,ES	Client
2426-47	MD 9-3, GW,ES	
2426-48	MD SW 9-2, ES	
2426-49	MD SW 9-1, ES	
2426-50	MD 9-5, GW,ES	

PARAMETER	2426-46	2426-47	2426-48	2426-49	2426-50
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-46	MD 9-2, GW,ES	Client
2426-47	MD 9-3, GW,ES	
2426-48	MD SW 9-2, ES	
2426-49	MD SW 9-1, ES	
2426-50	MD 9-5, GW,ES	

PARAMETER	2426-46	2426-47	2426-48	2426-49	2426-50
Surrogates - Semivolatiles					
Phenol-5, % Rec.	32	36	39	45	31
2-Fluorophenol, % Rec.	41	52	42	54	47
2,4,6-Tribromophenol, % Rec.	45	41	27	42	36
d-5 Nitrobenzene, % Rec.	44	60	48	51	38
2-Fluorobiphenyl, % Rec.	50	47	41*	53	30*
Terphenyl, % Rec.	56	61	69	63	69
QA Data for A/BN Extractables					
Date Collected	08.12.87	08.12.87	08.12.87	08.12.87	08.12.87
Date Extracted	08.14.87	08.14.87	08.14.87	08.14.87	08.14.87
Date Analyzed	09.15.87	09.15.87	09.15.87	09.15.87	09.14.87
Dilution factor	1.0	1.0	1.0	1.0	1.0
Percent Solids, %	NA	NA	NA	NA	NA
QC Report ID for above	QC625-1	QC625-1	QC625-1	QC625-1	QC625-1

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136
*Low recovery of surrogates in this sample may be due to emulsion formed during the extraction process.

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-51	MD 9-6, GW,ES	Client
2426-52	MD 9-7, GW,ES	
2426-53	MD SW 9-3, ES	
2426-54	MD SW 9-4, ES	
2426-55	MD 3-1, GW,ES	

PARAMETER	2426-51	2426-52	2426-53	2426-54	2426-55
BN-A Extractables					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-51	MD 9-6, GW,ES	Client
2426-52	MD 9-7, GW,ES	
2426-53	MD SW 9-3, ES	
2426-54	MD SW 9-4, ES	
2426-55	MD 3-1, GW,ES	

PARAMETER	2426-51	2426-52	2426-53	2426-54	2426-55
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-51	MD 9-6, GW,ES	Client
2426-52	MD 9-7, GW,ES	
2426-53	MD SW 9-3, ES	
2426-54	MD SW 9-4, ES	
2426-55	MD 3-1, GW,ES	

PARAMETER	2426-51	2426-52	2426-53	2426-54	2426-55
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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Mr. Walter J. Duncan
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Atlanta, Georgia 30329

Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-51	MD 9-6, GW,ES	Client
2426-52	MD 9-7, GW,ES	
2426-53	MD SW 9-3, ES	
2426-54	MD SW 9-4, ES	
2426-55	MD 3-1, GW,ES	

PARAMETER	2426-51	2426-52	2426-53	2426-54	2426-55
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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LOG NO: 87-2426

Received: 13 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2426-51	MD 9-6, GW,ES	Client
2426-52	MD 9-7, GW,ES	
2426-53	MD SW 9-3, ES	
2426-54	MD SW 9-4, ES	
2426-55	MD 3-1, GW,ES	

PARAMETER	2426-51	2426-52	2426-53	2426-54	2426-55
Surrogates - Semivolatiles					
Phenol-5, % Rec.	26	37	11	43	46
2-Fluorophenol, % Rec.	38	52	20	59	62
2,4,6-Tribromophenol, % Rec.	24	68	6.2*	38	30
d-5 Nitrobenzene, % Rec.	0.0*	0.0*	58	68	78
2-Fluorobiphenyl, % Rec.	40*	42*	54	75	74
Terphenyl, % Rec.	58	57	69	69	72
QA Data for A/BN Extractables					
Date Collected	08.12.87	08.12.87	08.12.87	08.12.87	08.12.87
Date Extracted	08.14.87	08.14.87	08.14.87	08.14.87	08.14.87
Date Analyzed	09.14.87	09.14.87	09.14.87	09.14.87	09.14.87
Dilution factor	1.0	1.0	1.0	1.0	1.0
Percent Solids, %	NA	NA	NA	NA	NA
QC Report ID for above	QC625-1	QC625-1	QC625-1	QC625-1	QC625-1

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136
*Low recovery of surrogates in this sample may be due to emulsion formed during the extraction process.

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LOG NO: 87-2424

Received: 12 AUG 87

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-1	MD 3-6, GW,ES	Client
2424-2	MD 3-2, GW,ES	
2424-3	MD SW-5, ES	
2424-4	MD SW-1, ES	
2424-5	MD 3-3, GW,ES	

PARAMETER	2424-1	2424-2	2424-3	2424-4	2424-5
BN-A Extractables					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	54	16
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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LOG NO: 87-2424

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-1	MD 3-6, GW,ES	Client
2424-2	MD 3-2, GW,ES	
2424-3	MD SW-5, ES	
2424-4	MD SW-1, ES	
2424-5	MD 3-3, GW,ES	

PARAMETER	2424-1	2424-2	2424-3	2424-4	2424-5
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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LOG NO: 87-2424

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-1	MD 3-6, GW,ES	Client
2424-2	MD 3-2, GW,ES	
2424-3	MD SW-5, ES	
2424-4	MD SW-1, ES	
2424-5	MD 3-3, GW,ES	

PARAMETER	2424-1	2424-2	2424-3	2424-4	2424-5
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-1	MD 3-6, GW,ES	Client
2424-2	MD 3-2, GW,ES	
2424-3	MD SW-5, ES	
2424-4	MD SW-1, ES	
2424-5	MD 3-3, GW,ES	

PARAMETER	2424-1	2424-2	2424-3	2424-4	2424-5
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-1	MD 3-6, GW,ES	Client
2424-2	MD 3-2, GW,ES	
2424-3	MD SW-5, ES	
2424-4	MD SW-1, ES	
2424-5	MD 3-3, GW,ES	

PARAMETER	2424-1	2424-2	2424-3	2424-4	2424-5
Surrogates - Semivolatiles					
Phenol-5, % Rec.	28 %	38 %	39 %	23 %	24 %
2-Fluorophenol, % Rec.	54 %	66 %	83 %	43 %	48 %
2,4,6-Tribromophenol, % Rec.	53 %	48 %	55 %	32 %	34 %
d-5 Nitrobenzene, % Rec.	54 %	82 %	93 %	55 %	60 %
2-Fluorobiphenyl, % Rec.	43 %	48 %	55 %	52 %	64 %
Terphenyl, % Rec.	61 %	84 %	93 %	67 %	89 %
QA Data for A/BN Extractables					
Date Collected	08.11.87	08.11.87	08.11.87	08.11.87	08.11.87
Date Extracted	08.13.87	08.13.87	08.13.87	08.13.87	08.13.87
Date Analyzed	09.10.87	09.10.87	09.08.87	09.09.87	09.09.87
Dilution factor	1.0	1.0	1.0	1.0	1.0
Percent Solids, %	NA	NA	NA	NA	NA
QC Report ID for above	QC625-1	QC625-1	QC625-1	QC625-1	QC625-1

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-6	MD SW-2, ES	Client
2424-7	MD SW-3, ES	
2424-8	MD SW-4, ES	
2424-9	MD 9-4, GW,ES	

PARAMETER	2424-6	2424-7	2424-8	2424-9
BN-A Extractables				
Acenaphthene, ug/l	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND	ND

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LOG NO: 87-2424

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-6	MD SW-2, ES	Client
2424-7	MD SW-3, ES	
2424-8	MD SW-4, ES	
2424-9	MD 9-4, GW,ES	

PARAMETER	2424-6	2424-7	2424-8	2424-9
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND

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LOG NO: 87-2424

Received: 12 AUG 87

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-6	MD SW-2, ES	Client
2424-7	MD SW-3, ES	
2424-8	MD SW-4, ES	
2424-9	MD 9-4, GW,ES	

PARAMETER	2424-6	2424-7	2424-8	2424-9
Fluorene, ug/l	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND

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LOG NO: 87-2424

Received: 12 AUG 87

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Project: AT001 McDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-6	MD SW-2, ES	Client
2424-7	MD SW-3, ES	
2424-8	MD SW-4, ES	
2424-9	MD 9-4, GW,ES	

PARAMETER	2424-6	2424-7	2424-8	2424-9
Toxaphene, ug/l	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND
Surrogates - Semivolatiles				
Phenol-5, % Rec.	41 %	24 %	25 %	24 %
2-Fluorophenol, % Rec.	74 %	42 %	53 %	45 %
2,4,6-Tribromophenol, % Rec.	61 %	58 %	42 %	40 %
d-5 Nitrobenzene, % Rec.	100 %	64 %	69 %	60 %
2-Fluorobiphenyl, % Rec.	73 %	50 %	45 %	50 %
Terphenyl, % Rec.	112 %	111 %	80 %	78 %

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LOG NO: 87-2424

Received: 12 AUG 87

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2424-6	MD SW-2, ES	Client
2424-7	MD SW-3, ES	
2424-8	MD SW-4, ES	
2424-9	MD 9-4, GW,ES	

PARAMETER	2424-6	2424-7	2424-8	2424-9
QA Data for A/BN Extractables				
Date Collected	08.11.87	08.11.87	08.11.87	08.11.87
Date Extracted	08.13.87	08.13.87	08.13.87	08.13.87
Date Analyzed	09.08.87	09.04.87	09.10.87	09.09.87
Dilution factor	1.0	1.0	1.0	1.0
Percent Solids, %	NA	NA	NA	NA
QC Report ID for above	QC625-1	QC625-1	QC625-1	QC625-1

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO: 87-2430

Received: 17 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-36	MD SW 17-3, ES	Client
2430-37	MD 17-4, GW,ES	
2430-38	MD 17-3, GW,ES	
2430-39	MD 17-5, GW,ES	
2430-40	MD 17-2, GW,ES	

PARAMETER	2430-36	2430-37	2430-38	2430-39	2430-40
BN-A Extractables					
Acenaphthene, ug/l	ND	ND	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND	ND	ND
Anthracene, ug/l	ND	ND	ND	ND	ND
Aldrin, ug/l	ND	ND	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chlordane, ug/l	ND	ND	ND	ND	ND

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LOG NO: 87-2430

Received: 17 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-36	MD SW 17-3, ES	Client
2430-37	MD 17-4, GW,ES	
2430-38	MD 17-3, GW,ES	
2430-39	MD 17-5, GW,ES	
2430-40	MD 17-2, GW,ES	

PARAMETER	2430-36	2430-37	2430-38	2430-39	2430-40
2-Chloronaphthalene, ug/l	ND	ND	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND	ND	ND
Chrysene, ug/l	ND	ND	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-36	MD SW 17-3, ES	Client
2430-37	MD 17-4, GW,ES	
2430-38	MD 17-3, GW,ES	
2430-39	MD 17-5, GW,ES	
2430-40	MD 17-2, GW,ES	

PARAMETER	2430-36	2430-37	2430-38	2430-39	2430-40
Endrin Aldehyde, ug/l	ND	ND	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND	ND	ND
Fluorene, ug/l	ND	ND	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND	ND	ND
Heptachlor Epoxide, ug/l	ND	ND	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND	ND	ND
Isophorone, ug/l	ND	ND	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-36	MD SW 17-3, ES	Client
2430-37	MD 17-4, GW,ES	
2430-38	MD 17-3, GW,ES	
2430-39	MD 17-5, GW,ES	
2430-40	MD 17-2, GW,ES	

PARAMETER	2430-36	2430-37	2430-38	2430-39	2430-40
PCB-1260, ug/l	ND	ND	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND	ND	ND
Pyrene, ug/l	ND	ND	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND	ND	ND
2-Chlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND	ND	ND
Phenol, ug/l	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-36	MD SW 17-3, ES	Client
2430-37	MD 17-4, GW,ES	
2430-38	MD 17-3, GW,ES	
2430-39	MD 17-5, GW,ES	
2430-40	MD 17-2, GW,ES	

PARAMETER	2430-36	2430-37	2430-38	2430-39	2430-40
Surrogates - Semivolatiles					
Phenol-5, % Rec.	29 %	37 %	41 %	26 %	55 %
2-Fluorophenol, % Rec.	32 %	56 %	42 %	32 %	74 %
2,4,6-Tribromophenol, % Rec.	30 %	53 %	43 %	28 %	49 %
d-5 Nitrobenzene, % Rec.	54 %	116 %	95 %	72 %	83 %
2-Fluorobiphenyl, % Rec.	57 %	124 %	110 %	91 %	104 %
Terphenyl, % Rec.	43 %	64 %	64 %	69 %	134 %
QA Data for A/BN Extractables					
Date Collected	08.14.87	08.14.87	08.14.87	08.14.87	08.14.87
Date Extracted	08.19.87	08.19.87	08.19.87	08.19.87	08.19.87
Date Analyzed	09.25.87	09.25.87	09.25.87	09.26.87	09.25.87
Dilution factor	1	1	1	1	1
Percent Solids, %	NA	NA	NA	NA	NA
QC Report ID for above	QC625-2	QC625-2	QC625-2	QC625-2	QC625-2

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
BN-A Extractables			
Acenaphthene, ug/l	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND
Anthracene, ug/l	ND	ND	ND
Aldrin, ug/l	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND
Chlordane, ug/l	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
Chrysene, ug/l	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Surrogates - Semivolatiles			
Phenol-5, % Rec.	56 %	33 %	31 %
2-Fluorophenol, % Rec.	67 %	41 %	27 %
2,4,6-Tribromophenol, % Rec.	40 %	61 %	50 %
d-5 Nitrobenzene, % Rec.	106 %	86 %	89 %
2-Fluorobiphenyl, % Rec.	111 %	101 %	109 %
Terphenyl, % Rec.	120 %	84 %	126 %

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
QA Data for A/BN Extractables			
Date Collected	08.14.87	08.14.87	08.14.87
Date Extracted	08.19.87	08.20.87	08.20.87
Date Analyzed	09.25.87	09.25.87	09.28.87
Dilution factor	1	1	1
Percent Solids, %	NA	NA	NA
QC Report ID for above	QC625-2	QC625-2	QC625-2

418.1 AND 239.2 ANALYSES

(Please note the 239.2 analysis is located at the bottom of the 418.1 data sheets)

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-74	MD B-1, GW,ES	Client
2430-75	MD B-4, GW,ES	
2430-76	MD B-6, GW,ES	
2430-77	MD B-3, GW,ES	
2430-78	MD B-2, GW,ES	

PARAMETER	2430-74	2430-75	2430-76	2430-77	2430-78
Petroleum Hydrocarbons (418.1)					
Hydrocarbons by IR, mg/l	0.54	0.45	0.45	0.54	0.98
Date Collected	08.14.87	08.14.87	08.14.87	08.14.87	08.14.87
Date Extracted	08.29.87	08.29.87	08.29.87	08.29.87	08.29.87
Date Analyzed	09.02.87	09.02.87	09.02.87	09.02.87	09.02.87
Dilution factor,	1.0	1.0	1.0	1.0	1.0
Percent Solids,	NA	NA	NA	NA	NA
QC Report ID for above,	HC-IRQ-1	HC-IRQ-1	HC-IRQ-1	HC-IRQ-1	HC-IRQ-1
Method: EPA 239.2					
Lead, mg/l	ND	ND	ND	ND	ND
Date Collected	08.14.87	08.14.87	08.14.87	08.14.87	08.14.87
Date Analyzed	08.25.87	08.25.87	08.25.87	08.25.87	08.25.87
QC Report ID for above	QCPB-1	QCPB-1	QCPB-1	QCPB-1	QCPB-1

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2627-6	MD B-5, GW,ES	Client

PARAMETER	2627-6
Method: EPA 239.2	
Lead, mg/l	ND
Date Collected	08.17.87
Date Analyzed	08.25.87
QC Report ID for above,	QCPB-1
Petroleum Hydrocarbons (418.1)	
Hydrocarbons by IR, mg/l	0.36
Date Collected	08.17.87
Date Extracted	08.29.87
Date Analyzed	09.02.87
Dilution factor,	1.0
Percent Solids, %	NA
QC Report ID for above,	HC-IRQ-1

J. W. Andrews

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FIELD BLANK ANALYSIS

AUGUST 1987

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-69	MD BL-1, GW,ES (Detection Limits)	Client
2430-70	MD BL-1, GW,ES (Conc. Column 1)	
2430-71	MD BL-1, GW,ES (Conc. Column 2)	
2430-72	MD BL-1, GW,ES (RT Column 1)	
2430-73	MD BL-1, GW,ES (RT Column 2)	

PARAMETER	2430-69	2430-70	2430-71	2430-72	2430-73
Purgeable Halocarbons (601)					
Bromodichloromethane, ug/l	0.4	ND			
Bromoform, ug/l	1.0	ND	—	—	—
Bromomethane, ug/l	1.0	ND	—	—	—
Carbon Tetrachloride, ug/l	0.3	ND	—	—	—
Chlorobenzene, ug/l	1.0	ND	—	—	—
Chloroethane, ug/l	0.8	ND	—	—	—
2-Chloroethylvinyl Ether, ug/l	1.0	ND	—	—	—
Chloroform, ug/l	0.2	0.20	ND	12.25	9.92
Chloromethane, ug/l	1.0	ND	—	—	—
Dibromochloromethane, ug/l	0.5	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Dichlorodifluoromethane, ug/l	1.0	ND	—	—	—
1,1-Dichloroethane, ug/l	0.3	ND	—	—	—
1,2-Dichloroethane, ug/l	0.2	ND	—	—	—
1,1-Dichloroethylene, ug/l	0.4	ND	—	—	—
trans-1,2-Dichloroethene, ug/l	0.3	ND	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-69	MD BL-1, GW,ES (Detection Limits)	Client
2430-70	MD BL-1, GW,ES (Conc. Column 1)	
2430-71	MD BL-1, GW,ES (Conc. Column 2)	
2430-72	MD BL-1, GW,ES (RT Column 1)	
2430-73	MD BL-1, GW,ES (RT Column 2)	

PARAMETER		2430-69	2430-70	2430-71	2430-72	2430-73
1,2-Dichloropropane, ug/l		0.5	ND	—	—	—
cis-1,3-Dichloropropene, ug/l		1.0	ND	—	—	—
trans-1,3-Dichloropropene, ug/l		1.0	ND	—	—	—
Methylene Chloride, ug/l		0.5	0.68	1.2	7.10	9.35
1,1,2,2-Tetrachloroethane, ug/l		0.5	—	—	—	—
Tetrachloroethylene, ug/l		0.5	—	—	—	—
1,1,1-Trichloroethane, ug/l		0.3	—	—	—	—
1,1,2-Trichloroethane, ug/l		0.3	—	—	—	—
Trichloroethylene, ug/l		0.2	—	—	—	—
Trichlorofluoromethane, ug/l		0.5	—	—	—	—
Vinyl Chloride, ug/l		1.0	—	—	—	—
Bis(chloromethyl)Ether, ug/l		1	ND			
Dichlorobromoethane, ug/l		1	ND			

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LOG NO: 87-2430

Received: 17 AUG 87

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Project: AT001 MacDill AFB

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-69	MD BL-1, GW,ES (Detection Limits)	Client
2430-70	MD BL-1, GW,ES (Conc. Column 1)	
2430-71	MD BL-1, GW,ES (Conc. Column 2)	
2430-72	MD BL-1, GW,ES (RT Column 1)	
2430-73	MD BL-1, GW,ES (RT Column 2)	

PARAMETER	2430-69	2430-70	2430-71	2430-72	2430-73
Purgeable Aromatics (8020)					
Benzene, ug/l	0.5	3.6	4.2	17.54	3.38
Chlorobenzene, ug/l	1.0	ND	—	—	—
1,2-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,3-Dichlorobenzene, ug/l	0.5	ND	—	—	—
1,4-Dichlorobenzene, ug/l	0.5	ND	—	—	—
Ethylbenzene, ug/l	1.0	ND	—	—	—
Toluene, ug/l	1.0	ND	—	—	—
Xylenes, ug/l	1.0	ND	—	—	—
QA Data for VOC's					
Date Collected	08.14.87	—	—	—	—
Date Analyzed	08.28.87	—	—	—	—
Dilution factor,	1.0	—	—	—	—
Percent Solids,	NA	—	—	—	—
QC Report ID for above	QCV-2	—	—	—	—

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REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-79	MD BL-1, GW,ES	Client

PARAMETER	2430-79
Petroleum Hydrocarbons (418.1)	
Hydrocarbons by IR, mg/l	0.63
Date Collected	08.14.87
Date Extracted	08.29.87
Date Analyzed	09.02.87
Dilution factor	1.0
Percent Solids	NA
QC Report ID for above,	HC-IRQ-1
Method: EPA 239.2	
Lead, mg/l	ND
Date Collected	08.14.87
Date Analyzed	08.25.87
QC Report ID for above	QCPB-1

Methods: EPA 600/4-79-020, SW-846 and 40 CFR Part 136

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
BN-A Extractables			
Acenaphthene, ug/l	ND	ND	ND
Acenaphythlene, ug/l	ND	ND	ND
Anthracene, ug/l	ND	ND	ND
Aldrin, ug/l	ND	ND	ND
Benzo(a)Anthracene, ug/l	ND	ND	ND
Benzo(b)fluoranthene, ug/l	ND	ND	ND
Benzo (k) Fluoranthene, ug/l	ND	ND	ND
Benzo(a)pyrene, ug/l	ND	ND	ND
Benzo (g,h,i) Perylene, ug/l	ND	ND	ND
Benzyl butyl phthalate, ug/l	ND	ND	ND
Beta-BHC, ug/l	ND	ND	ND
Delta-BHC, ug/l	ND	ND	ND
Bis (2-Chloroethyl) Ether, ug/l	ND	ND	ND
Bis (2-Chloroethoxy) Methane, ug/l	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate, ug/l	ND	ND	ND
Bis (2-Chloroisopropyl) Ether, ug/l	ND	ND	ND
4-Bromophenyl Phenyl Ether, ug/l	ND	ND	ND
Chlordane, ug/l	ND	ND	ND
2-Chloronaphthalene, ug/l	ND	ND	ND
4-Chlorophenyl Phenyl Ether, ug/l	ND	ND	ND

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2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
Chrysene, ug/l	ND	ND	ND
4,4'-DDD, ug/l	ND	ND	ND
4,4'-DDE, ug/l	ND	ND	ND
4,4'-DDT, ug/l	ND	ND	ND
Dibenzo (a,h) Anthracene, ug/l	ND	ND	ND
Di-N-Butyl Phthalate, ug/l	ND	ND	ND
1,3-Dichlorobenzene, ug/l	ND	ND	ND
1,2-Dichlorobenzene, ug/l	ND	ND	ND
1,4-Dichlorobenzene, ug/l	ND	ND	ND
3,3-Dichlorobenzidine, ug/l	ND	ND	ND
Dieldrin, ug/l	ND	ND	ND
Diethyl Phthalate, ug/l	ND	ND	ND
Dimethyl phthalate, ug/l	ND	ND	ND
2,4-Dinitrotoluene, ug/l	ND	ND	ND
2,6-Dinitrotoluene, ug/l	ND	ND	ND
Di-N-Octyl Phthalate, ug/l	ND	ND	ND
Endosulfan Sulfate, ug/l	ND	ND	ND
Endrin Aldehyde, ug/l	ND	ND	ND
Fluoranthene, ug/l	ND	ND	ND
Fluorene, ug/l	ND	ND	ND
Heptachlor, ug/l	ND	ND	ND

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2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
Heptachlor Epoxide, ug/l	ND	ND	ND
Hexachlorobenzene, ug/l	ND	ND	ND
Hexachlorobutadiene, ug/l	ND	ND	ND
Hexachloroethane, ug/l	ND	ND	ND
Indeno (1,2,3-cd) Pyrene, ug/l	ND	ND	ND
Isophorone, ug/l	ND	ND	ND
Naphthalene, ug/l	ND	ND	ND
Nitrobenzene, ug/l	ND	ND	ND
N-Nitrosodi-N-Propylamine, ug/l	ND	ND	ND
PCB-1016, ug/l	ND	ND	ND
PCB-1221, ug/l	ND	ND	ND
PCB-1232, ug/l	ND	ND	ND
PCB-1242, ug/l	ND	ND	ND
PCB-1248, ug/l	ND	ND	ND
PCB-1254, ug/l	ND	ND	ND
PCB-1260, ug/l	ND	ND	ND
Phenanthrene, ug/l	ND	ND	ND
Pyrene, ug/l	ND	ND	ND
Toxaphene, ug/l	ND	ND	ND
1,2,4-Trichlorobenzene, ug/l	ND	ND	ND
4-Chloro-3-methylphenol, ug/l	ND	ND	ND

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2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
2-Chlorophenol, ug/l	ND	ND	ND
2,4-Dichlorophenol, ug/l	ND	ND	ND
2,4-Dimethylphenol, ug/l	ND	ND	ND
2,4-Dinitrophenol, ug/l	ND	ND	ND
2-Methyl-4,6-dinitrophenol, ug/l	ND	ND	ND
2-Nitrophenol, ug/l	ND	ND	ND
4-Nitrophenol, ug/l	ND	ND	ND
Pentachlorophenol, ug/l	ND	ND	ND
Phenol, ug/l	ND	ND	ND
2,4,6-Trichlorophenol, ug/l	ND	ND	ND
Surrogates - Semivolatiles			
Phenol-5, % Rec.	56 %	33 %	31 %
2-Fluorophenol, % Rec.	67 %	41 %	27 %
2,4,6-Tribromophenol, % Rec.	40 %	61 %	50 %
d-5 Nitrobenzene, % Rec.	106 %	86 %	89 %
2-Fluorobiphenyl, % Rec.	111 %	101 %	109 %
Terphenyl, % Rec.	120 %	84 %	126 %

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LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	SAMPLED BY
2430-41	MD 17-1, GW,ES	Client
2430-42	MD SW 17-4, ES	
2430-43	MD BL-1, GW,ES	

PARAMETER	2430-41	2430-42	2430-43
QA Data for A/BN Extractables			
Date Collected	08.14.87	08.14.87	08.14.87
Date Extracted	08.19.87	08.20.87	08.20.87
Date Analyzed	09.25.87	09.25.87	09.28.87
Dilution factor	1	1	1
Percent Solids, %	NA	NA	NA
QC Report ID for above	QC625-2	QC625-2	QC625-2