FINAL

Risk-Based Corrective Action Plan
Hazardous Waste Storage Area
(Building 560)

Rickenbacker Air National Guard Base
Columbus, Ohio

Volume II: Appendices

Prepared For

Air Force Center for Environmental Excellence
Technology Transfer Division
Brooks Air Force Base, Texas
San Antonio, Texas

and

Air Force Base Conversion Agency
Operating Location - Rickenbacker
Columbus, Ohio

June 1999

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Walton, Norman

From: Hansen, Jerry E, Mr, HQAFCEE [Jerry.Hansen@HQAFCEE.brooks.af.mil]
Sent: Tuesday, August 08, 2000 10:16 AM
To: 'nwalton@dtic.mil'
Subject: Distribution statement for AFCEE/ERT reports

Norman, This is a followup to our phone call. The eight boxes of reports you received from us are all for unlimited distribution. If you have any questions, you can contact me at DSN 240-4353.

APPENDIX C

ANALYTICAL DATA FROM 1997 ASSESSMENT ACTIVITIES

APPENDIX C-1

SOIL GAS AND GROUNDWATER ANALYTICAL RESULTS, MAY 1997

Fibertec
Environmental
Services

May 27, 1997

Mr. Karl Vankevren
IT Corporation
11499 Chester Road
Cincinnati, Ohio 45246

RE: Analytical Results

Dear Mr. Vankevren

Enclosed please find the analytical results for the site located at the Rickenbacker Air National Guard Base located in Columbus, Ohio.

Included are copies of the chain of custody, instrument sample log, raw data including chromatograms, and the analytical report including the quality control reports.

Please contact me if you need any additional information. Thank you for the opportunity to provide services to IT Corporation.

Sincerely,

Douglas Holmes
Manager/Mobile Services

Enclosed: As stated

DH/ga

2280 Aurelius Road Holt, Michigan 48842 Telephone: (517) 699-0345 Facsimile: (517) 699-0388
29300 Wall Street Wixom, Michigan 48393 Telephone: (248) 348-5598 Facsimile: (248) 348-4896

Fibertec
Environmental
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Analytical Results

Date Analyzed: 05-19-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-1

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	1SG101 Air Sample	1SG103 Air Sample	1SG104 Air Sample	1SG105 Air Sample	1SG106 Air Sample	1SG107 Air Sample	1SG108 Air Sample		
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
trans 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
cis 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Carbon Tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
m,p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

Approved 05-27-97

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Fibertec
Environmental
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Analytical Results

Date Analyzed: 05-19-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-1

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	1SG101 Air Sample	1SG103 Air Sample	1SG104 Air Sample	1SG105 Air Sample	1SG106 Air Sample	1SG107 Air Sample	1SG108 Air Sample		
1,2,3-Trichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dibromo-3-Chloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Naphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Dibromofluorobenzene - Surrogate	127	115	108	90	96	114	101		
Toluene-d8 - Surrogate	89	94	98	110	111	94	107		
Bromofluorobenzene - Surrogate	81	86	96	109	113	89	105		

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

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Fibertec
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Quality Control

Date Analyzed: 05-19-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-1

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION							
		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Air Matrix Spike %R	Air Matrix Spike Duplicate %R	MS/MSD %RPD
Dichlorodifluoromethane		64	36	<1.0	<1.0	78	62	23
Chloromethane		78	22	<1.0	<1.0	79	81	3
Vinyl Chloride		81	19	<1.0	<1.0	87	86	1
Bromomethane		89	11	<1.0	<1.0	87	98	12
Chloromethane		81	19	<1.0	<1.0	82	85	4
Trichlorofluoromethane		79	21	<1.0	<1.0	108	102	6
1,1-Dichloroethene		90	10	<1.0	<1.0	105	97	8
Methylene Chloride		86	14	<1.0	<1.0	106	102	4
trans 1,2-Dichloroethene		92	8	<1.0	<1.0	85	92	8
1,1-Dichloroethane		88	12	<1.0	<1.0	105	101	4
cis 1,2-Dichloroethene		87	13	<1.0	<1.0	112	89	23
Bromochloromethane		92	8	<1.0	<1.0	111	109	2
Chloroform		90	10	<1.0	<1.0	123	115	7
2,2-Dichloropropane		107	7	<1.0	<1.0	109	106	3
1,1,1-Trichloroethane		100	0	<1.0	<1.0	107	103	4
1,1-Dichloropropene		98	2	<1.0	<1.0	105	103	2
Carbon Tetrachloride		105	5	<1.0	<1.0	109	103	6
Benzene		103	3	<1.0	<1.0	100	102	2
1,2-Dichloroethane		98	2	<1.0	<1.0	104	112	7
Dibromomethane		109	9	<1.0	<1.0	103	112	8
1,2-Dichloropropane		97	3	<1.0	<1.0	100	101	1
Trichloroethene		94	6	<1.0	<1.0	98	96	2
Bromodichloromethane		99	1	<1.0	<1.0	106	111	5
cis-1,3-Dichloropropene		98	2	<1.0	<1.0	98	102	4
trans-1,3-Dichloropropene		98	2	<1.0	<1.0	93	106	13
1,1,2-Trichloroethane		104	4	<1.0	<1.0	93	109	16
Toluene		95	5	<1.0	<1.0	91	95	4
1,3-Dichloropropene		102	2	<1.0	<1.0	91	108	17
Dibromochloromethane		102	2	<1.0	<1.0	94	106	12
1,2-Dibromomethane		106	6	<1.0	<1.0	91	110	19
Tetrachloroethene		98	2	<1.0	<1.0	94	99	5
1,1,1,2-Tetrachloroethane		93	7	<1.0	<1.0	91	101	10
Chlorobenzene		95	5	<1.0	<1.0	89	98	10
Ethylbenzene		92	8	<1.0	<1.0	88	96	9
Bromoform		120	20	<1.0	<1.0	89	111	22
m,p-Xylene		93	7	<2.0	<2.0	83	95	13
Styrene		96	4	<1.0	<1.0	87	95	9
o-Xylene		94	6	<1.0	<1.0	87	96	10

%R=Units are expressed as percent recovery of exspected value.

Approved 05-27-97

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Fibertec
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Services

Quality Control

Date Analyzed: 05-19-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-1

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE		SAMPLE IDENTIFICATION							
		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Air Matrix Spike %R	Air Matrix Spike Duplicate %R		MS/MSD %RPD
1,2,3-Trichloropropene		127	27	<1.0	<1.0	84	121		36
Isopropylbenzene		94	6	<1.0	<1.0	88	95		8
Bromobenzene		98	2	<1.0	<1.0	85	96		12
n-Propylbenzene		95	5	<1.0	<1.0	87	95		9
2-Chlorotoluene		94	6	<1.0	<1.0	87	96		10
4-Chlorotoluene		95	5	<1.0	<1.0	87	95		9
1,3,5-Trimethylbenzene		98	2	<1.0	<1.0	87	96		10
tert-Butylbenzene		97	3	<1.0	<1.0	88	95		8
1,2,4-Trimethylbenzene		97	3	<1.0	<1.0	87	96		10
sec-Butylbenzene		97	3	<1.0	<1.0	87	94		8
1,4-Dichlorobenzene		104	4	<1.0	<1.0	99	98		1
4-Isopropyltoluene		97	3	<1.0	<1.0	101	96		5
1,3-Dichlorobenzene		98	2	<1.0	<1.0	100	100		0
1,2-Dichlorobenzene		103	3	<1.0	<1.0	99	101		2
n-Butylbenzene		96	4	<1.0	<1.0	99	97		2
1,2-Dibromo-3-Chloropropane		148	48	<1.0	<1.0	91	130		35
1,2,4-Trichlorobenzene		111	11	<1.0	<1.0	99	101		2
Naphthalene		136	36	<1.0	<1.0	95	118		22
Hexachlorobutadiene		104	4	<1.0	<1.0	100	95		5
1,2,3-Trichlorobenzene		120	20	<1.0	<1.0	99	105		6
Dibromofluorobenzene - Surrogate		91	9	110	115	108	104		4
Toluene-d8 - Surrogate		97	3	97	97	94	99		5
Bromofluorobenzene - Surrogate		101	1	93	94	90	100		11

%R=Units are expressed as percent recovery of exspected value.

Approved 05-27-97

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Fibertec
Environmental
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Analytical Results

Date Analyzed: 05-20-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-2

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	1SGFB1 Air Sample	1SG109 Air Sample	1SG109D Air Sample	1SG110 Air Sample	1SG102D Air Sample	1SB103G001 Water Sample	1SB103G002 Water Sample		
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0		
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
trans 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
cis 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	5.3	<1.0		
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Carbon Tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0		
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
m,p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

Douglas H. Jones 05-27-97
Approved

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ANALYTE	SAMPLE IDENTIFICATION								
	1SGFB1 Air Sample	1SG109 Air Sample	1SG109D Air Sample	1SG110 Air Sample	1SG102D Air Sample	1SB103G001 Water Sample	1SB103G002 Water Sample		
1,2,3-Trichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2-Dibromo-3-Chloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Naphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	4.0	<1.0		
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Dibromofluorobenzene - Surrogate	107	102	103	108	120	103	103		
Toluene-d8 - Surrogate	94	95	102	96	90	84	83		
Bromofluorobenzene - Surrogate	105	108	117	110	76	92	71		

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

Approved Donald Holmes 05-27-97

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Fibertec
Environmental
Services

Quality Control

Date Analyzed: 05-20-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-2

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

	SAMPLE IDENTIFICATION							
ANALYTE		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Water Matrix Spike %R	Water Matrix Spike Duplicate %R	MS/MSD %RPD
Dichlorodifluoromethane		77	23	<1.0	<1.0	79	67	16
Chloromethane		92	8	<1.0	<1.0	99	93	6
Vinyl Chloride		81	19	<1.0	<1.0	88	90	2
Bromomethane		101	1	<1.0	<1.0	120	112	7
Chloromethane		95	5	<1.0	<1.0	108	93	15
Trichlorofluoromethane		77	23	<1.0	<1.0	93	95	2
1,1-Dichloroethene		83	17	<1.0	<1.0	85	95	11
Methylene Chloride		79	21	<1.0	<1.0	93	103	10
trans 1,2-Dichloroethene		102	2	<1.0	<1.0	110	100	10
1,1-Dichloroethane		83	17	<1.0	<1.0	91	96	5
cis 1,2-Dichloroethene		97	3	<1.0	<1.0	96	103	7
Bromochloromethane		86	14	<1.0	<1.0	101	117	15
Chloroform		77	23	<1.0	<1.0	106	97	9
2,2-Dichloropropane		89	11	<1.0	<1.0	96	101	5
1,1,1-Trichloroethane		87	13	<1.0	<1.0	97	105	8
1,1-Dichloropropene		84	16	<1.0	<1.0	102	109	7
Carbon Tetrachloride		84	16	<1.0	<1.0	99	104	5
Benzene		95	5	<1.0	<1.0	99	102	3
1,2-Dichloroethane		101	1	<1.0	<1.0	103	113	9
Dibromomethane		112	12	<1.0	<1.0	105	111	6
1,2-Dichloropropane		96	4	<1.0	<1.0	101	105	4
Trichloroethene		93	7	<1.0	<1.0	94	97	3
Bromodichloromethane		88	12	<1.0	<1.0	118	107	10
cis-1,3-Dichloropropene		102	2	<1.0	<1.0	105	107	2
trans-1,3-Dichloropropene		116	16	<1.0	<1.0	105	109	4
1,1,2-Trichloroethane		103	3	<1.0	<1.0	110	110	0
Toluene		115	15	<1.0	<1.0	112	107	5
1,3-Dichloropropene		105	5	<1.0	<1.0	110	110	0
Dibromochloromethane		105	5	<1.0	<1.0	114	112	2
1,2-Dibromomethane		116	16	<1.0	<1.0	111	111	0
Tetrachloroethene		118	18	<1.0	<1.0	109	105	4
1,1,1,2-Tetrachloroethane		117	17	<1.0	<1.0	114	109	4
Chlorobenzene		116	16	<1.0	<1.0	120	111	8
Ethylbenzene		108	8	<1.0	<1.0	120	110	9
Bromoform		105	5	<1.0	<1.0	121	114	6
m,p-Xylene		112	12	<2.0	<2.0	121	112	8
Styrene		105	5	<1.0	<1.0	122	111	9
o-Xylene		94	6	<1.0	<1.0	120	111	8

%R=Units are expressed as percent recovery of exspected value.

Douglas Hofmeister 05-27-97
Approved

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Fibertec
Environmental
Services

Quality Control

Date Analyzed: 05-20-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-2

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

	SAMPLE IDENTIFICATION							
ANALYTE		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Matrix Spike %R	Matrix Spike Duplicate %R	MS/MSD %RPD
1,2,3-Trichloropropene		115	15	<1.0	<1.0	119	112	6
Isopropylbenzene		103	3	<1.0	<1.0	124	113	9
Bromobenzene		105	5	<1.0	<1.0	120	113	6
n-Propylbenzene		108	8	<1.0	<1.0	121	111	9
2-Chlorotoluene		98	2	<1.0	<1.0	121	112	8
4-Chlorotoluene		119	19	<1.0	<1.0	124	113	9
1,3,5-Trimethylbenzene		109	9	<1.0	<1.0	122	111	9
tert-Butylbenzene		115	15	<1.0	<1.0	121	111	9
1,2,4-Trimethylbenzene		96	4	<1.0	<1.0	119	110	8
sec-Butylbenzene		104	4	<1.0	<1.0	124	114	8
1,4-Dichlorobenzene		99	1	<1.0	<1.0	108	111	3
4-Isopropyltoluene		97	3	<1.0	<1.0	109	108	1
1,3-Dichlorobenzene		92	8	<1.0	<1.0	114	114	0
1,2-Dichlorobenzene		102	2	<1.0	<1.0	106	107	1
n-Butylbenzene		96	4	<1.0	<1.0	110	110	0
1,2-Dibromo-3-Chloropropane		112	12	<1.0	<1.0	97	113	15
1,2,4-Trichlorobenzene		106	6	<1.0	<1.0	106	114	7
Naphthalene		115	15	<1.0	<1.0	94	111	17
Hexachlorobutadiene		101	1	<1.0	<1.0	105	110	5
1,2,3-Trichlorobenzene		116	16	<1.0	<1.0	102	113	10
Dibromofluorobenzene - Surrogate		86	14	96	117	95	101	6
Toluene-d8 - Surrogate		112	12	93	83	109	105	4
Bromofluorobenzene - Surrogate		106	6	86	106	147	105	33

%R=Units are expressed as percent recovery of exspected value.

Douglas Hohes 05-27-97
Approved

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Analytical Results

Date Analyzed: 05-21-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-3

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	1SB104G001 Water Sample	1SB105G001 Water Sample	1SB105G051 Water Sample	1SB105G002 Water Sample	052197RB1 Water Sample	1SB106G001 Water Sample	1SB106G002 Water Sample	550 SB201G001 Water Sample	
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	6.1	<1.0	<1.0	
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	680*J	10	<1.0	
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	5.8	<1.0	<1.0	
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	3.3	<1.0	<1.0	
trans 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	80	7.4	<1.0	
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
cis 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	1900*J	220*J	<1.0	
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Carbon Tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
m,p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)
*J: Estimated value. Reported level is not within the linear range of the calibration curve.

Approved 05-27-97

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Fibertec
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Analytical Results

Date Analyzed: 05-21-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-3

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	1SB104G001 Water Sample	1SB105G001 Water Sample	1SB105G051 Water Sample	1SB105G002 Water Sample	052197RB1 Water Sample	1SB106G001 Water Sample	1SB106G002 Water Sample	550 SB201G001 Water Sample	
1,2,3-Trichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2-Dibromo-3-Chloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Naphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Dibromofluorobenzene - Surrogate	115	90	109	93	93	106	106	109	
Toluene-d8 - Surrogate	83	90	84	97	86	95	90	83	
Bromofluorobenzene - Surrogate	82	93	82	104	90	91	81	60	

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

Approved 05-27-97

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Fibertec
Environmental
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Quality Control

Date Analyzed: 05-21-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-3

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE		SAMPLE IDENTIFICATION: Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Water Matrix Spike %R	Water Matrix Spike Duplicate %R		MS/MSD %RPD
Dichlorodifluoromethane		<1.0	#VALUE!	<1.0	<1.0	29	14		70
Chloromethane		79	21	<1.0	<1.0	88	83		6
Vinyl Chloride		82	18	<1.0	<1.0	84	79		6
Bromomethane		91	9	<1.0	<1.0	81	88		8
Chloromethane		93	7	<1.0	<1.0	91	91		0
Trichlorofluoromethane		91	9	<1.0	<1.0	93	90		3
1,1-Dichloroethene		90	10	<1.0	<1.0	104	105		1
Methylene Chloride		96	4	<1.0	<1.0	105	97		8
trans 1,2-Dichloroethene		97	3	<1.0	<1.0	96	92		4
1,1-Dichloroethane		98	2	<1.0	<1.0	113	111		2
cis 1,2-Dichloroethene		103	3	<1.0	<1.0	103	95		8
Bromochloromethane		110	10	<1.0	<1.0	107	104		3
Chloroform		103	3	<1.0	<1.0	107	101		6
2,2-Dichloropropane		99	1	<1.0	<1.0	104	103		1
1,1,1-Trichloroethane		99	1	<1.0	<1.0	101	114		12
1,1-Dichloropropene		102	2	<1.0	<1.0	103	109		6
Carbon Tetrachloride		94	6	<1.0	<1.0	112	111		1
Benzene		100	0	<1.0	<1.0	107	109		2
1,2-Dichloroethane		102	2	<1.0	<1.0	109	111		2
Dibromomethane		97	3	<1.0	<1.0	111	113		2
1,2-Dichloropropane		99	1	<1.0	<1.0	107	101		6
Trichloroethene		95	5	<1.0	<1.0	109	105		4
Bromodichloromethane		109	9	<1.0	<1.0	107	98		9
cis-1,3-Dichloropropene		97	3	<1.0	<1.0	112	108		4
trans-1,3-Dichloropropene		95	5	<1.0	<1.0	105	99		6
1,1,2-Trichloroethane		95	5	<1.0	<1.0	101	97		4
Toluene		97	3	<1.0	<1.0	90	90		0
1,3-Dichloropropene		96	4	<1.0	<1.0	97	94		3
Dibromochloromethane		95	5	<1.0	<1.0	102	97		5
1,2-Dibromomethane		94	6	<1.0	<1.0	96	95		1
Tetrachloroethene		98	2	<1.0	<1.0	88	87		1
1,1,1,2-Tetrachloroethane		97	3	<1.0	<1.0	94	89		5
Chlorobenzene		101	1	<1.0	<1.0	91	98		7
Ethylbenzene		97	3	<1.0	<1.0	84	88		5
Bromoform		93	7	<1.0	<1.0	84	82		2
m,p-Xylene		98	2	<2.0	<2.0	85	85		0
Styrene		99	1	<1.0	<1.0	84	82		2
o-Xylene		97	3	<1.0	<1.0	85	86		1

%R=Units are expressed as percent recovery of exspected value.

Approved 05-27-97

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Fibertec
Environmental
Services

Quality Control

Date Analyzed: 05-21-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-3

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE		SAMPLE IDENTIFICATION							
		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Water Matrix Spike %R	Water Matrix Spike Duplicate %R		MS/MSD %RPD
1,2,3-Trichloropropene		104	4	<1.0	<1.0	99	98		1
Isopropylbenzene		99	1	<1.0	<1.0	91	90		1
Bromobenzene		98	2	<1.0	<1.0	91	87		4
n-Propylbenzene		99	1	<1.0	<1.0	96	87		10
2-Chlorotoluene		98	2	<1.0	<1.0	102	83		21
4-Chlorotoluene		99	1	<1.0	<1.0	94	91		3
1,3,5-Trimethylbenzene		99	1	<1.0	<1.0	85	81		5
tert-Butylbenzene		99	1	<1.0	<1.0	89	88		1
1,2,4-Trimethylbenzene		98	2	<1.0	<1.0	104	103		1
sec-Butylbenzene		100	0	<1.0	<1.0	98	98		0
1,4-Dichlorobenzene		113	13	<1.0	<1.0	94	96		2
4-Isopropyltoluene		110	10	<1.0	<1.0	98	96		2
1,3-Dichlorobenzene		116	16	<1.0	<1.0	99	99		0
1,2-Dichlorobenzene		108	8	<1.0	<1.0	98	100		2
n-Butylbenzene		111	11	<1.0	<1.0	101	99		2
1,2-Dibromo-3-Chloropropane		96	4	<1.0	<1.0	95	96		1
1,2,4-Trichlorobenzene		105	5	<1.0	<1.0	102	104		2
Naphthalene		88	12	<1.0	<1.0	107	111		4
Hexachlorobutadiene		111	11	<1.0	<1.0	96	99		3
1,2,3-Trichlorobenzene		98	2	<1.0	<1.0	105	112		6
Dibromofluorobenzene - Surrogate		97	3	107	104	101	111		9
Toluene-d8 - Surrogate		98	2	87	91	88	91		3
Bromofluorobenzene - Surrogate		108	8	86	96	98	94		4

%R=Units are expressed as percent recovery of exspected value.

Approved Douglas Hobbs 05-27-97

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Fibertec
Environmental
Services

Analytical Results

Date Analyzed: 05-22-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-4

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	052297RB1 Water Sample	1SB107G001 Water Sample	1SB107G002 Water Sample	1SB106G002 Water Sample					
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0					
Chloromethane	<1.0	<1.0	<1.0	<1.0					
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0					
Bromomethane	<1.0	<1.0	<1.0	<1.0					
Chloroethane	<1.0	<1.0	<1.0	<1.0					
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0					
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0					
Methylene Chloride	<1.0	<1.0	<1.0	<1.0					
trans 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0					
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0					
cis 1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0					
Bromochloromethane	<1.0	<1.0	<1.0	<1.0					
Chloroform	<1.0	<1.0	<1.0	<1.0					
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0					
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0					
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0					
Carbon Tetrachloride	<1.0	<1.0	<1.0	<1.0					
Benzene	<1.0	<1.0	<1.0	<1.0					
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0					
Dibromomethane	<1.0	<1.0	<1.0	<1.0					
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0					
Trichloroethene	<1.0	<1.0	<1.0	<1.0					
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0					
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0					
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0					
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0					
Toluene	<1.0	<1.0	<1.0	<1.0					
1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0					
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0					
1,2-Dibromomethane	<1.0	<1.0	<1.0	<1.0					
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0					
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0					
Chlorobenzene	<1.0	<1.0	<1.0	<1.0					
Ethylbenzene	<1.0	<1.0	<1.0	<1.0					
Bromoform	<1.0	<1.0	<1.0	<1.0					
m,p-Xylene	<2.0	<2.0	<2.0	<2.0					
Styrene	<1.0	<1.0	<1.0	<1.0					
o-Xylene	<1.0	<1.0	<1.0	<1.0					

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

Approved 05-27-97

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Fibertec
Environmental
Services

Analytical Results

Date Analyzed: 05-22-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-4

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION								
	052297RB1 Water Sample	1SB107G001 Water Sample	1SB107G002 Water Sample	1SB106G002 Water Sample					
1,2,3-Trichloropropene	<1.0	<1.0	<1.0	<1.0					
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0					
Bromobenzene	<1.0	<1.0	<1.0	<1.0					
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0					
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0					
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0					
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0					
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0					
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0					
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0					
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0					
4-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0					
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0					
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0					
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0					
1,2-Dibromo-3-Chloropropane	<1.0	<1.0	<1.0	<1.0					
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0					
Naphthalene	<1.0	<1.0	<1.0	<1.0					
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0					
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0					
Dibromofluorobenzene - Surrogate	105	103	97	96					
Toluene-d8 - Surrogate	84	93	102	100					
Bromofluorobenzene - Surrogate	85	92	93	88					

Units are ug/Kg (dry weight soil); ug/L (water), ug/L (air)

Approved 05-27-97

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Fibertec
Environmental
Services

Quality Control

Date Analyzed: 05-22-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-4

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE		SAMPLE IDENTIFICATION							
		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Matrix Spike %R	Matrix Spike Duplicate %R		MS/MSD %RPD
Dichlorodifluoromethane		14	86	<1.0	<1.0	N/A	N/A		N/A
Chloromethane		71	29	<1.0	<1.0	N/A	N/A		N/A
Vinyl Chloride		78	22	<1.0	<1.0	N/A	N/A		N/A
Bromomethane		92	8	<1.0	<1.0	N/A	N/A		N/A
Chloromethane		77	23	<1.0	<1.0	N/A	N/A		N/A
Trichlorofluoromethane		115	15	<1.0	<1.0	N/A	N/A		N/A
1,1-Dichloroethene		113	13	<1.0	<1.0	N/A	N/A		N/A
Methylene Chloride		102	2	<1.0	<1.0	N/A	N/A		N/A
trans 1,2-Dichloroethene		95	5	<1.0	<1.0	N/A	N/A		N/A
1,1-Dichloroethane		118	18	<1.0	<1.0	N/A	N/A		N/A
cis 1,2-Dichloroethene		94	6	<1.0	<1.0	N/A	N/A		N/A
Bromochloromethane		97	3	<1.0	<1.0	N/A	N/A		N/A
Chloroform		110	10	<1.0	<1.0	N/A	N/A		N/A
2,2-Dichloropropane		111	11	<1.0	<1.0	N/A	N/A		N/A
1,1,1-Trichloroethane		109	9	<1.0	<1.0	N/A	N/A		N/A
1,1-Dichloropropene		108	8	<1.0	<1.0	N/A	N/A		N/A
Carbon Tetrachloride		104	4	<1.0	<1.0	N/A	N/A		N/A
Benzene		108	8	<1.0	<1.0	N/A	N/A		N/A
1,2-Dichloroethane		114	14	<1.0	<1.0	N/A	N/A		N/A
Dibromomethane		106	6	<1.0	<1.0	N/A	N/A		N/A
1,2-Dichloropropane		112	12	<1.0	<1.0	N/A	N/A		N/A
Trichloroethene		108	8	<1.0	<1.0	N/A	N/A		N/A
Bromodichloromethane		113	13	<1.0	<1.0	N/A	N/A		N/A
cis-1,3-Dichloropropene		109	9	<1.0	<1.0	N/A	N/A		N/A
trans-1,3-Dichloropropene		95	5	<1.0	<1.0	N/A	N/A		N/A
1,1,2-Trichloroethane		94	6	<1.0	<1.0	N/A	N/A		N/A
Toluene		86	14	<1.0	<1.0	N/A	N/A		N/A
1,3-Dichloropropene		90	10	<1.0	<1.0	N/A	N/A		N/A
Dibromochloromethane		92	8	<1.0	<1.0	N/A	N/A		N/A
1,2-Dibromomethane		87	13	<1.0	<1.0	N/A	N/A		N/A
Tetrachloroethene		81	19	<1.0	<1.0	N/A	N/A		N/A
1,1,1,2-Tetrachloroethane		85	15	<1.0	<1.0	N/A	N/A		N/A
Chlorobenzene		81	19	<1.0	<1.0	N/A	N/A		N/A
Ethylbenzene		101	1	<1.0	<1.0	N/A	N/A		N/A
Bromoform		76	24	<1.0	<1.0	N/A	N/A		N/A
m,p-Xylene		84	16	<2.0	<2.0	N/A	N/A		N/A
Styrene		79	21	<1.0	<1.0	N/A	N/A		N/A
o-Xylene		87	13	<1.0	<1.0	N/A	N/A		N/A

%R=Units are expressed as percent recovery of exspected value.

Approved 05-27-97

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Fibertec
Environmental
Services

Quality Control

Date Analyzed: 05-22-97
Methods: USEPA 5030,8260
Fibertec Project #: 102245-4

Client: IT Corporation
Project Site: Rickenbacker Air National Guard
Location: Columbus, Ohio

ANALYTE	SAMPLE IDENTIFICATION							
		Continuing Calibration Check %R	CCC %Drift	Method Blank	Ambiant Air Blank	Matrix Spike %R	Matrix Spike Duplicate %R	MS/MSD %RPD
1,2,3-Trichloropropene		87	13	<1.0	<1.0	N/A	N/A	N/A
Isopropylbenzene		87	13	<1.0	<1.0	N/A	N/A	N/A
Bromobenzene		90	10	<1.0	<1.0	N/A	N/A	N/A
n-Propylbenzene		91	9	<1.0	<1.0	N/A	N/A	N/A
2-Chlorotoluene		88	12	<1.0	<1.0	N/A	N/A	N/A
4-Chlorotoluene		83	17	<1.0	<1.0	N/A	N/A	N/A
1,3,5-Trimethylbenzene		93	7	<1.0	<1.0	N/A	N/A	N/A
tert-Butylbenzene		95	5	<1.0	<1.0	N/A	N/A	N/A
1,2,4-Trimethylbenzene		80	20	<1.0	<1.0	N/A	N/A	N/A
sec-Butylbenzene		78	22	<1.0	<1.0	N/A	N/A	N/A
1,4-Dichlorobenzene		96	4	<1.0	<1.0	N/A	N/A	N/A
4-Isopropyltoluene		97	3	<1.0	<1.0	N/A	N/A	N/A
1,3-Dichlorobenzene		100	0	<1.0	<1.0	N/A	N/A	N/A
1,2-Dichlorobenzene		100	0	<1.0	<1.0	N/A	N/A	N/A
n-Butylbenzene		99	1	<1.0	<1.0	N/A	N/A	N/A
1,2-Dibromo-3-Chloropropane		87	13	<1.0	<1.0	N/A	N/A	N/A
1,2,4-Trichlorobenzene		103	3	<1.0	<1.0	N/A	N/A	N/A
Naphthalene		105	5	<1.0	<1.0	N/A	N/A	N/A
Hexachlorobutadiene		97	3	<1.0	<1.0	N/A	N/A	N/A
1,2,3-Trichlorobenzene		107	7	<1.0	<1.0	N/A	N/A	N/A
Dibromofluorobenzene - Surrogate		92	8	101	100	N/A	N/A	N/A
Toluene-d8 - Surrogate		94	6	96	98	N/A	N/A	N/A
Bromofluorobenzene - Surrogate		95	5	97	100	N/A	N/A	N/A

%R=Units are expressed as percent recovery of exspected value.

Approved 05-27-97

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APPENDIX C-2

BIOVENTING SYSTEM SOIL ANALYTICAL RESULTS, JUNE 1997

Client: IT Corp
Project: RANGB[redacted]70
SDG:54037
Due:7/9/97
EDD: IT Ver 4
Hard Copy: Level IV
Case: NA
Contract: NA

Project	Pace No.	Client I.D.	QC	Matrix	Sample	Rec Date	8260	8270	DRO 8015	pH	TAL Metals	TSS	GRO 8015	AMMONIA	TOTAL PHOSPHOROUS
101810	10154037	VW1SO01		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154045	VWMP1SO01		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154052	VWMP1SO02		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154060	VWMP1SO52		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154078	VWMP2SO01		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154086	VWMP2SO02		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154094	VWMP3SO01		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154102	VWMP3SO02		SOIL	6/16/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154136	VWMP4SO01		SOIL	6/17/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154144	VWMP4SO51		SOIL	6/17/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X
101810	10154151	VWMP4SO02		SOIL	6/17/97	6/18/97	X ✓	X ✓	X	X	X ✓		X	X	X

Perform LCS/LCSD or pick sample for MS/MSD.

Bioventing Pilot-Scale Area Soil Data for System boreholes
Rickenbacker HWSA

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154037	%SOLIDS	86.8
Client ID	VW1SO01	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		5800	MG/KG		2.9	58	1	07/23/97	08:42	7/22/97	SW6010A
ANTIMONY	<	4.6	MG/KG		4.6	46	1	07/28/97	11:23	7/22/97	SW6010A
ARSENIC		9.9	MG/KG		0.58	0.58	1	07/28/97	11:23	7/22/97	SW6010A
BARIUM		57	MG/KG		0.58	2.3	1	07/23/97	08:42	7/22/97	SW6010A
BERYLLIUM		0.49	MG/KG		0.23	0.35	1	07/23/97	08:42	7/22/97	SW6010A
CADMIUM	<	0.58	MG/KG		0.58	4.6	1	07/23/97	08:42	7/22/97	SW6010A
CALCIUM		63000	MG/KG		4.4	12	1	07/23/97	08:42	7/22/97	SW6010A
CHROMIUM		8.8	MG/KG		0.58	8.1	1	07/23/97	08:42	7/22/97	SW6010A
COBALT		11	MG/KG		1.2	8.1	1	07/23/97	08:42	7/22/97	SW6010A
COPPER		24	MG/KG		0.35	6.9	1	07/23/97	08:42	7/22/97	SW6010A
IR[redacted]		25000	MG/KG		2.9	8.1	1	07/23/97	08:42	7/22/97	SW6010A
L[redacted]		6.4	MG/KG		0.23	0.58	1	07/28/97	11:23	7/22/97	SW6010A
MAGNESIUM		21000	MG/KG		3.7	35	1	07/23/97	08:42	7/22/97	SW6010A
MANGANESE		280	MG/KG		0.23	2.3	1	07/23/97	08:42	7/22/97	SW6010A
MERCURY		0.033	MG/KG		0.023	0.12	1	07/22/97	11:19:31	7/21/97	SW7471
NICKEL		31	MG/KG		2.3	17	1	07/23/97	08:42	7/22/97	SW6010A
POTASSIUM		1200	MG/KG		69	580	1	07/23/97	08:42	7/22/97	SW6010A
SELENIUM		0.97	MG/KG		0.58	0.58	1	07/28/97	11:23	7/22/97	SW6010A
THALLIUM		2.5	MG/KG		0.69	0.58	1	07/28/97	11:23	7/22/97	SW6010A
SILVER	<	0.58	MG/KG		0.58	8.1	1	07/23/97	08:42	7/22/97	SW6010A
SODIUM		95	MG/KG		3.3	35	1	07/23/97	08:42	7/22/97	SW6010A
VANADIUM		19	MG/KG		0.58	9.2	1	07/23/97	08:42	7/22/97	SW6010A
ZINC		110	MG/KG		0.46	2.3	1	07/23/97	08:42	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154045	%SOLIDS	83.2
Client ID	WWMP1SO01	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		10000	MG/KG		3.0	60	1	07/23/97	08:46	7/22/97	SW6010A
ANTIMONY	<	4.8	MG/KG		4.8	48	1	07/28/97	11:28	7/22/97	SW6010A
ARSENIC		9.5	MG/KG		0.60	0.60	1	07/28/97	11:28	7/22/97	SW6010A
BARIUM		94	MG/KG		0.60	2.4	1	07/23/97	08:46	7/22/97	SW6010A
BERYLLIUM		0.71	MG/KG		0.24	0.36	1	07/23/97	08:46	7/22/97	SW6010A
CADMIUM	<	0.60	MG/KG		0.60	4.8	1	07/23/97	08:46	7/22/97	SW6010A
CALCIUM		32000	MG/KG		4.6	12	1	07/23/97	08:46	7/22/97	SW6010A
CHROMIUM		14	MG/KG		0.60	8.4	1	07/23/97	08:46	7/22/97	SW6010A
COBALT		13	MG/KG		1.2	8.4	1	07/23/97	08:46	7/22/97	SW6010A
COPPER		27	MG/KG		0.36	7.2	1	07/23/97	08:46	7/22/97	SW6010A
IRON		27000	MG/KG		3.0	8.4	1	07/23/97	08:46	7/22/97	SW6010A
LEAD		8.1	MG/KG		0.24	0.60	1	07/28/97	11:28	7/22/97	SW6010A
MAGNESIUM		11000	MG/KG		3.8	36	1	07/23/97	08:46	7/22/97	SW6010A
MANGANESE		400	MG/KG		0.24	2.4	1	07/23/97	08:46	7/22/97	SW6010A
MERCURY		0.027	MG/KG		0.024	0.12	1	07/22/97	11:28:29	7/21/97	SW7471
NICKEL		31	MG/KG		2.4	18	1	07/23/97	08:46	7/22/97	SW6010A
POTASSIUM		1200	MG/KG		72	600	1	07/23/97	08:46	7/22/97	SW6010A
SELENIUM		0.64	MG/KG		0.60	0.60	1	07/28/97	11:28	7/22/97	SW6010A
THALLIUM		2.6	MG/KG		0.72	0.60	1	07/28/97	11:28	7/22/97	SW6010A
SILVER	<	0.60	MG/KG		0.60	8.4	1	07/23/97	08:46	7/22/97	SW6010A
SODIUM		95	MG/KG		3.5	36	1	07/23/97	08:46	7/22/97	SW6010A
VANADIUM		26	MG/KG		0.60	9.6	1	07/23/97	08:46	7/22/97	SW6010A
ZINC		89	MG/KG		0.48	2.4	1	07/23/97	08:46	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154052	%SOLIDS	83.2
Client ID	VWMP1SO02	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		7400	MG/KG		3.0	60	1	07/23/97	08:51	7/22/97	SW6010A
ANTIMONY	<	4.8	MG/KG		4.8	48	1	07/28/97	11:33	7/22/97	SW6010A
ARSENIC		10	MG/KG		0.60	0.60	1	07/28/97	11:33	7/22/97	SW6010A
BARIUM		59	MG/KG		0.60	2.4	1	07/23/97	08:51	7/22/97	SW6010A
BERYLLIUM		0.52	MG/KG		0.24	0.36	1	07/23/97	08:51	7/22/97	SW6010A
CADMIUM	<	0.60	MG/KG		0.60	4.8	1	07/23/97	08:51	7/22/97	SW6010A
CALCIUM		73000	MG/KG		4.6	12	1	07/23/97	08:51	7/22/97	SW6010A
CHROMIUM		11	MG/KG		0.60	8.4	1	07/23/97	08:51	7/22/97	SW6010A
COBALT		12	MG/KG		1.2	8.4	1	07/23/97	08:51	7/22/97	SW6010A
COPPER		26	MG/KG		0.36	7.2	1	07/23/97	08:51	7/22/97	SW6010A
IRON		23000	MG/KG		3.0	8.4	1	07/23/97	08:51	7/22/97	SW6010A
LEAD		6.8	MG/KG		0.24	0.60	1	07/28/97	11:33	7/22/97	SW6010A
MAGNESIUM		22000	MG/KG		3.8	36	1	07/23/97	08:51	7/22/97	SW6010A
MANGANESE		290	MG/KG		0.24	2.4	1	07/23/97	08:51	7/22/97	SW6010A
MERCURY	<	0.024	MG/KG		0.024	0.12	1	07/22/97	11:30:23	7/21/97	SW7471
NICKEL		31	MG/KG		2.4	18	1	07/23/97	08:51	7/22/97	SW6010A
POTASSIUM		1900	MG/KG		72	600	1	07/23/97	08:51	7/22/97	SW6010A
SELENIUM		0.82	MG/KG		0.60	0.60	1	07/28/97	11:33	7/22/97	SW6010A
THALLIUM		1.7	MG/KG		0.72	0.60	1	07/28/97	11:33	7/22/97	SW6010A
SILVER	<	0.60	MG/KG		0.60	8.4	1	07/23/97	08:51	7/22/97	SW6010A
SODIUM		130	MG/KG		3.5	36	1	07/23/97	08:51	7/22/97	SW6010A
VANADIUM		23	MG/KG		0.60	9.6	1	07/23/97	08:51	7/22/97	SW6010A
ZINC		92	MG/KG		0.48	2.4	1	07/23/97	08:51	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154060	%SOLIDS	89.5
Client ID	VWMP1SO52	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		5900	MG/KG		2.8	56	1	07/23/97	08:56	7/22/97	SW6010A
ANTIMONY	<	4.5	MG/KG		4.5	45	1	07/28/97	11:38	7/22/97	SW6010A
ARSENIC		8.2	MG/KG		0.56	0.56	1	07/28/97	11:38	7/22/97	SW6010A
BARIUM		68	MG/KG		0.56	2.2	1	07/23/97	08:56	7/22/97	SW6010A
BERYLLIUM		0.46	MG/KG		0.22	0.34	1	07/23/97	08:56	7/22/97	SW6010A
CADMIUM	<	0.56	MG/KG		0.56	4.5	1	07/23/97	08:56	7/22/97	SW6010A
CALCIUM		78000	MG/KG		4.2	11	1	07/23/97	08:56	7/22/97	SW6010A
CHROMIUM		9.4	MG/KG		0.56	7.8	1	07/23/97	08:56	7/22/97	SW6010A
COBALT		12	MG/KG		1.1	7.8	1	07/23/97	08:56	7/22/97	SW6010A
COPPER		25	MG/KG		0.34	6.7	1	07/23/97	08:56	7/22/97	SW6010A
IR[redacted]		21000	MG/KG		2.8	7.8	1	07/23/97	08:56	7/22/97	SW6010A
L[redacted]		6.1	MG/KG		0.22	0.56	1	07/28/97	11:38	7/22/97	SW6010A
MAGNESIUM		24000	MG/KG		3.6	34	1	07/23/97	08:56	7/22/97	SW6010A
MANGANESE		390	MG/KG		0.22	2.2	1	07/23/97	08:56	7/22/97	SW6010A
MERCURY		0.025	MG/KG		0.022	0.11	1	07/22/97	11:32:10	7/21/97	SW7471
NICKEL		28	MG/KG		2.2	17	1	07/23/97	08:56	7/22/97	SW6010A
POTASSIUM		1400	MG/KG		67	560	1	07/23/97	08:56	7/22/97	SW6010A
SELENIUM	<	0.56	MG/KG		0.56	0.56	1	07/28/97	11:38	7/22/97	SW6010A
THALLIUM		1.7	MG/KG		0.67	0.56	1	07/28/97	11:38	7/22/97	SW6010A
SILVER	<	0.56	MG/KG		0.56	7.8	1	07/23/97	08:56	7/22/97	SW6010A
SODIUM		120	MG/KG		3.2	34	1	07/23/97	08:56	7/22/97	SW6010A
VANADIUM		19	MG/KG		0.56	8.9	1	07/23/97	08:56	7/22/97	SW6010A
ZINC		86	MG/KG		0.45	2.2	1	07/23/97	08:56	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID 100154078
Client ID VWMP2SO01
Collected 6/16/97
Received 6/18/97

%SOLIDS 85.2
PROJECT # 101810
DEPTH 0
MATRIX SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		10000	MG/KG		2.9	59	1	07/23/97	09:01	7/22/97	SW6010A
ANTIMONY	<	4.7	MG/KG		4.7	47	1	07/28/97	11:42	7/22/97	SW6010A
ARSENIC		9.1	MG/KG		0.59	0.59	1	07/28/97	11:42	7/22/97	SW6010A
BARIUM		82	MG/KG		0.59	2.3	1	07/23/97	09:01	7/22/97	SW6010A
BERYLLIUM		0.65	MG/KG		0.23	0.35	1	07/23/97	09:01	7/22/97	SW6010A
CADMIUM		1.1	MG/KG		0.59	4.7	1	07/23/97	09:01	7/22/97	SW6010A
CALCIUM		18000	MG/KG		4.5	12	1	07/23/97	09:01	7/22/97	SW6010A
CHROMIUM		13	MG/KG		0.59	8.2	1	07/23/97	09:01	7/22/97	SW6010A
COBALT		11	MG/KG		1.2	8.2	1	07/23/97	09:01	7/22/97	SW6010A
COPPER		24	MG/KG		0.35	7.0	1	07/23/97	09:01	7/22/97	SW6010A
IRON		26000	MG/KG		2.9	8.2	1	07/23/97	09:01	7/22/97	SW6010A
[redacted]		8.0	MG/KG		0.23	0.59	1	07/28/97	11:42	7/22/97	SW6010A
MAGNESIUM		7400	MG/KG		3.8	35	1	07/23/97	09:01	7/22/97	SW6010A
MANGANESE		320	MG/KG		0.23	2.3	1	07/23/97	09:01	7/22/97	SW6010A
MERCURY		0.032	MG/KG		0.023	0.12	1	07/22/97	11:33:55	7/21/97	SW7471
NICKEL		26	MG/KG		2.3	18	1	07/23/97	09:01	7/22/97	SW6010A
POTASSIUM		950	MG/KG		70	590	1	07/23/97	09:01	7/22/97	SW6010A
SELENIUM		1.9	MG/KG		0.59	0.59	1	07/28/97	11:42	7/22/97	SW6010A
THALLIUM		2.6	MG/KG		0.70	0.59	1	07/28/97	11:42	7/22/97	SW6010A
SILVER	<	0.59	MG/KG		0.59	8.2	1	07/23/97	09:01	7/22/97	SW6010A
SODIUM	=	83	MG/KG		3.4	35	1	07/23/97	09:01	7/22/97	SW6010A
VANADIUM		25	MG/KG		0.59	9.4	1	07/23/97	09:01	7/22/97	SW6010A
ZINC		76	MG/KG		0.47	2.3	1	07/23/97	09:01	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154086	%SOLIDS	84.2
Client ID	VWMP2SO02	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		7000	MG/KG		3.0	59	1	07/23/97	09:06	7/22/97	SW6010A
ANTIMONY	<	4.8	MG/KG		4.8	48	1	07/28/97	11:47	7/22/97	SW6010A
ARSENIC		9.9	MG/KG		0.59	0.59	1	07/28/97	11:47	7/22/97	SW6010A
BARIUM		49	MG/KG		0.59	2.4	1	07/23/97	09:06	7/22/97	SW6010A
BERYLLIUM		0.52	MG/KG		0.24	0.36	1	07/23/97	09:06	7/22/97	SW6010A
CADMIUM	<	0.59	MG/KG		0.59	4.8	1	07/23/97	09:06	7/22/97	SW6010A
CALCIUM		53000	MG/KG		4.5	12	1	07/23/97	09:06	7/22/97	SW6010A
CHROMIUM		10	MG/KG		0.59	8.3	1	07/23/97	09:06	7/22/97	SW6010A
COBALT		11	MG/KG		1.2	8.3	1	07/23/97	09:06	7/22/97	SW6010A
COPPER		26	MG/KG		0.36	7.1	1	07/23/97	09:06	7/22/97	SW6010A
IR[redacted]		24000	MG/KG		3.0	8.3	1	07/23/97	09:06	7/22/97	SW6010A
L[redacted]		6.4	MG/KG		0.24	0.59	1	07/28/97	11:47	7/22/97	SW6010A
MAGNESIUM		23000	MG/KG		3.8	36	1	07/23/97	09:06	7/22/97	SW6010A
MANGANESE		230	MG/KG		0.24	2.4	1	07/23/97	09:06	7/22/97	SW6010A
MERCURY		0.026	MG/KG		0.024	0.12	1	07/22/97	11:35:42	7/21/97	SW7471
NICKEL		32	MG/KG		2.4	18	1	07/23/97	09:06	7/22/97	SW6010A
POTASSIUM		1500	MG/KG		71	590	1	07/23/97	09:06	7/22/97	SW6010A
SELENIUM		0.63	MG/KG		0.59	0.59	1	07/28/97	11:47	7/22/97	SW6010A
THALLIUM		2.1	MG/KG		0.71	0.59	1	07/28/97	11:47	7/22/97	SW6010A
SILVER	<	0.59	MG/KG		0.59	8.3	1	07/23/97	09:06	7/22/97	SW6010A
SODIUM		110	MG/KG		3.4	36	1	07/23/97	09:06	7/22/97	SW6010A
VANADIUM		22	MG/KG		0.59	9.5	1	07/23/97	09:06	7/22/97	SW6010A
ZINC		99	MG/KG		0.48	2.4	1	07/23/97	09:06	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154094	%SOLIDS	84.8
Client ID	WMP3SO01	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		8000	MG/KG		2.9	59	1	07/23/97	09:11	7/22/97	SW6010A
ANTIMONY	<	4.7	MG/KG		4.7	47	1	07/28/97	11:52	7/22/97	SW6010A
ARSENIC		8.4	MG/KG		0.59	0.59	1	07/28/97	11:52	7/22/97	SW6010A
BARIUM		66	MG/KG		0.59	2.4	1	07/23/97	09:11	7/22/97	SW6010A
BERYLLIUM		0.50	MG/KG		0.24	0.35	1	07/23/97	09:11	7/22/97	SW6010A
CADMIUM		0.88	MG/KG		0.59	4.7	1	07/23/97	09:11	7/22/97	SW6010A
CALCIUM		31000	MG/KG		4.5	12	1	07/23/97	09:11	7/22/97	SW6010A
CHROMIUM		11	MG/KG		0.59	8.3	1	07/23/97	09:11	7/22/97	SW6010A
COBALT		12	MG/KG		1.2	8.3	1	07/23/97	09:11	7/22/97	SW6010A
COPPER		21	MG/KG		0.35	7.1	1	07/23/97	09:11	7/22/97	SW6010A
IRON		22000	MG/KG		2.9	8.3	1	07/23/97	09:11	7/22/97	SW6010A
LEAD		8.7	MG/KG		0.24	0.59	1	07/28/97	11:52	7/22/97	SW6010A
MAGNESIUM		9400	MG/KG		3.8	35	1	07/23/97	09:11	7/22/97	SW6010A
MANGANESE		390	MG/KG		0.24	2.4	1	07/23/97	09:11	7/22/97	SW6010A
MERCURY		0.027	MG/KG		0.024	0.12	1	07/22/97	11:37:29	7/21/97	SW7471
NICKEL		21	MG/KG		2.4	18	1	07/23/97	09:11	7/22/97	SW6010A
POTASSIUM		1000	MG/KG		71	590	1	07/23/97	09:11	7/22/97	SW6010A
SELENIUM		0.88	MG/KG		0.59	0.59	1	07/28/97	11:52	7/22/97	SW6010A
THALLIUM		2.3	MG/KG		0.71	0.59	1	07/28/97	11:52	7/22/97	SW6010A
SILVER	<	0.59	MG/KG		0.59	8.3	1	07/23/97	09:11	7/22/97	SW6010A
SODIUM		93	MG/KG		3.4	35	1	07/23/97	09:11	7/22/97	SW6010A
VANADIUM		22	MG/KG		0.59	9.4	1	07/23/97	09:11	7/22/97	SW6010A
ZINC		65	MG/KG		0.47	2.4	1	07/23/97	09:11	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154102	%SOLIDS	87.3
Client ID	YWMP3SO02	PROJECT #	101810
Collected	6/16/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		5900	MG/KG		2.9	57	1	07/23/97	09:16	7/22/97	SW6010A
ANTIMONY	<	4.6	MG/KG		4.6	46	1	07/28/97	11:57	7/22/97	SW6010A
ARSENIC		10	MG/KG		0.57	0.57	1	07/28/97	11:57	7/22/97	SW6010A
BARIUM		57	MG/KG		0.57	2.3	1	07/23/97	09:16	7/22/97	SW6010A
BERYLLIUM		0.44	MG/KG		0.23	0.34	1	07/23/97	09:16	7/22/97	SW6010A
CADMIUM	<	0.57	MG/KG		0.57	4.6	1	07/23/97	09:16	7/22/97	SW6010A
CALCIUM		71000	MG/KG		4.4	11	1	07/23/97	09:16	7/22/97	SW6010A
CHROMIUM		9.1	MG/KG		0.57	8.0	1	07/23/97	09:16	7/22/97	SW6010A
COBALT		13	MG/KG		1.1	8.0	1	07/23/97	09:16	7/22/97	SW6010A
COPPER		26	MG/KG		0.34	6.9	1	07/23/97	09:16	7/22/97	SW6010A
IRON		24000	MG/KG		2.9	8.0	1	07/23/97	09:16	7/22/97	SW6010A
L		7.0	MG/KG		0.23	0.57	1	07/28/97	11:57	7/22/97	SW6010A
MAGNESIUM		24000	MG/KG		3.7	34	1	07/23/97	09:16	7/22/97	SW6010A
MANGANESE		310	MG/KG		0.23	2.3	1	07/23/97	09:16	7/22/97	SW6010A
MERCURY		0.030	MG/KG		0.023	0.11	1	07/22/97	11:39:16	7/21/97	SW7471
NICKEL		36	MG/KG		2.3	17	1	07/23/97	09:16	7/22/97	SW6010A
POTASSIUM		1300	MG/KG		69	570	1	07/23/97	09:16	7/22/97	SW6010A
SELENIUM	<	0.57	MG/KG		0.57	0.57	1	07/28/97	11:57	7/22/97	SW6010A
THALLIUM		2.8	MG/KG		0.69	0.57	1	07/28/97	11:57	7/22/97	SW6010A
SILVER	<	0.57	MG/KG		0.57	8.0	1	07/23/97	09:16	7/22/97	SW6010A
SODIUM	=	120	MG/KG		3.3	34	1	07/23/97	09:16	7/22/97	SW6010A
VANADIUM		18	MG/KG		0.57	9.2	1	07/23/97	09:16	7/22/97	SW6010A
ZINC		110	MG/KG		0.46	2.3	1	07/23/97	09:16	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID	100154136	%SOLIDS	83.2
Client ID	VWMP4SO01	PROJECT #	101810
Collected	6/17/97	DEPTH	0
Received	6/18/97	MATRIX	SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		14000	MG/KG		3.0	60	1	07/23/97	09:36	7/22/97	SW6010A
ANTIMONY	<	4.8	MG/KG		4.8	48	1	07/28/97	12:12	7/22/97	SW6010A
ARSENIC		11	MG/KG		0.60	0.60	1	07/28/97	12:12	7/22/97	SW6010A
BARIUM		130	MG/KG		0.60	2.4	1	07/23/97	09:36	7/22/97	SW6010A
BERYLLIUM		0.99	MG/KG		0.24	0.36	1	07/23/97	09:36	7/22/97	SW6010A
CADMIUM	<	0.60	MG/KG		0.60	4.8	1	07/23/97	09:36	7/22/97	SW6010A
CALCIUM		5200	MG/KG		4.6	12	1	07/23/97	09:36	7/22/97	SW6010A
CHROMIUM		19	MG/KG		0.60	8.4	1	07/23/97	09:36	7/22/97	SW6010A
COBALT		17	MG/KG		1.2	8.4	1	07/23/97	09:36	7/22/97	SW6010A
COPPER		35	MG/KG		0.36	7.2	1	07/23/97	09:36	7/22/97	SW6010A
IR[redacted]		35000	MG/KG		3.0	8.4	1	07/23/97	09:36	7/22/97	SW6010A
[redacted]		7.8	MG/KG		0.24	0.60	1	07/28/97	12:12	7/22/97	SW6010A
MAGNESIUM		3800	MG/KG		3.8	36	1	07/23/97	09:36	7/22/97	SW6010A
MANGANESE		560	MG/KG		0.24	2.4	1	07/23/97	09:36	7/22/97	SW6010A
MERCURY		0.043	MG/KG		0.024	0.12	1	07/22/97	11:44:51	7/21/97	SW7471
NICKEL		48	MG/KG		2.4	18	1	07/23/97	09:36	7/22/97	SW6010A
POTASSIUM		1700	MG/KG		72	600	1	07/23/97	09:36	7/22/97	SW6010A
SELENIUM		1.1	MG/KG		0.60	0.60	1	07/28/97	12:12	7/22/97	SW6010A
THALLIUM		2.9	MG/KG		0.72	0.60	1	07/28/97	12:12	7/22/97	SW6010A
SILVER	<	0.60	MG/KG		0.60	8.4	1	07/23/97	09:36	7/22/97	SW6010A
SODIUM		71	MG/KG		3.5	36	1	07/23/97	09:36	7/22/97	SW6010A
VANADIUM		37	MG/KG		0.60	9.6	1	07/23/97	09:36	7/22/97	SW6010A
ZINC		110	MG/KG		0.48	2.4	1	07/23/97	09:36	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID 100154144
Client ID MWMP4SO51
Collected 6/17/97
Received 6/18/97

%SOLIDS 84.6
PROJECT # 101810
DEPTH 0
MATRIX SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		18000	MG/KG		3.0	59	1	07/23/97	09:40	7/22/97	SW6010A
ANTIMONY	<	4.7	MG/KG		4.7	47	1	07/28/97	12:17	7/22/97	SW6010A
ARSENIC		9.5	MG/KG		0.59	0.59	1	07/28/97	12:17	7/22/97	SW6010A
BARIUM		190	MG/KG		0.59	2.4	1	07/23/97	09:40	7/22/97	SW6010A
BERYLLIUM		1.2	MG/KG		0.24	0.35	1	07/23/97	09:40	7/22/97	SW6010A
CADMIUM	<	0.59	MG/KG		0.59	4.7	1	07/23/97	09:40	7/22/97	SW6010A
CALCIUM		6300	MG/KG		4.5	12	1	07/23/97	09:40	7/22/97	SW6010A
CHROMIUM		22	MG/KG		0.59	8.3	1	07/23/97	09:40	7/22/97	SW6010A
COBALT		16	MG/KG		1.2	8.3	1	07/23/97	09:40	7/22/97	SW6010A
COPPER		30	MG/KG		0.35	7.1	1	07/23/97	09:40	7/22/97	SW6010A
[illegible]N		37000	MG/KG		3.0	8.3	1	07/23/97	09:40	7/22/97	SW6010A
[illegible]D		7.9	MG/KG		0.24	0.59	1	07/28/97	12:17	7/22/97	SW6010A
MAGNESIUM		4500	MG/KG		3.8	35	1	07/23/97	09:40	7/22/97	SW6010A
MANGANESE		640	MG/KG		0.24	2.4	1	07/23/97	09:40	7/22/97	SW6010A
MERCURY		0.033	MG/KG		0.024	0.12	1	07/22/97	11:46:39	7/21/97	SW7471
NICKEL		41	MG/KG		2.4	18	1	07/23/97	09:40	7/22/97	SW6010A
POTASSIUM		1400	MG/KG		71	590	1	07/23/97	09:40	7/22/97	SW6010A
SELENIUM		0.87	MG/KG		0.59	0.59	1	07/28/97	12:17	7/22/97	SW6010A
THALLIUM		3.3	MG/KG		0.71	0.59	1	07/28/97	12:17	7/22/97	SW6010A
SILVER	<	0.59	MG/KG		0.59	8.3	1	07/23/97	09:40	7/22/97	SW6010A
SODIUM		69	MG/KG		3.4	35	1	07/23/97	09:40	7/22/97	SW6010A
VANADIUM		38	MG/KG		0.59	9.5	1	07/23/97	09:40	7/22/97	SW6010A
ZINC		110	MG/KG		0.47	2.4	1	07/23/97	09:40	7/22/97	SW6010A

S - data from msa

IT CORP RICKENBACKER

Contract No:
Case No:
SDG: 54037

Lab Name: PACE ANALYTICAL

Inorganic Analysis Data

Pace ID 100154151
Client ID WWMP4SO02
Collected 6/17/97
Received 6/18/97

%SOLIDS 86.6
PROJECT # 101810
DEPTH 0
MATRIX SOIL

Analyte		Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
ALUMINUM		6300	MG/KG		2.9	58	1	07/23/97	09:45	7/22/97	SW6010A
ANTIMONY	<	4.6	MG/KG		4.6	46	1	07/28/97	12:21	7/22/97	SW6010A
ARSENIC		8.8	MG/KG		0.58	0.58	1	07/28/97	12:21	7/22/97	SW6010A
BARIUM		64	MG/KG		0.58	2.3	1	07/23/97	09:45	7/22/97	SW6010A
BERYLLIUM		0.45	MG/KG		0.23	0.35	1	07/23/97	09:45	7/22/97	SW6010A
CADMIUM	<	0.58	MG/KG		0.58	4.6	1	07/23/97	09:45	7/22/97	SW6010A
CALCIUM		86000	MG/KG		4.4	12	1	07/23/97	09:45	7/22/97	SW6010A
CHROMIUM		10	MG/KG		0.58	8.1	1	07/23/97	09:45	7/22/97	SW6010A
COBALT		12	MG/KG		1.2	8.1	1	07/23/97	09:45	7/22/97	SW6010A
COPPER		23	MG/KG		0.35	6.9	1	07/23/97	09:45	7/22/97	SW6010A
IRON		22000	MG/KG		2.9	8.1	1	07/23/97	09:45	7/22/97	SW6010A
[illegible]D		6.2	MG/KG		0.23	0.58	1	07/28/97	12:21	7/22/97	SW6010A
MAGNESIUM		24000	MG/KG		3.7	35	1	07/23/97	09:45	7/22/97	SW6010A
MANGANESE		340	MG/KG		0.23	2.3	1	07/23/97	09:45	7/22/97	SW6010A
MERCURY		0.026	MG/KG		0.023	0.12	1	07/22/97	11:48:28	7/21/97	SW7471
NICKEL		30	MG/KG		2.3	17	1	07/23/97	09:45	7/22/97	SW6010A
POTASSIUM		1600	MG/KG		69	580	1	07/23/97	09:45	7/22/97	SW6010A
SELENIUM		1.2	MG/KG		0.58	0.58	1	07/28/97	12:21	7/22/97	SW6010A
THALLIUM		2.4	MG/KG		0.69	0.58	1	07/28/97	12:21	7/22/97	SW6010A
SILVER	<	0.58	MG/KG		0.58	8.1	1	07/23/97	09:45	7/22/97	SW6010A
SODIUM	=	120	MG/KG		3.3	35	1	07/23/97	09:45	7/22/97	SW6010A
VANADIUM		19	MG/KG		0.58	9.2	1	07/23/97	09:45	7/22/97	SW6010A
ZINC		81	MG/KG		0.46	2.3	1	07/23/97	09:45	7/22/97	SW6010A

S - data from msa

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 64037

Inorganic Analysis Data

Pace ID 10154045
Client ID VWMP1S001
Collected 6/16/97
Received 6/18/97

%SOLIDS 83.2
PROJECT # 101810
DEPTH 0
MATRIX SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	54.2	MG/KG		0.193	11.6	1.93	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.0			0.083	0.1	0.83	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	17.3	MG/KG		4.7	5.68	0.94	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID 10154052
Client ID VWMP1S002
Collected 6/16/97
Received 6/18/97

%SOLIDS 83.2
PROJECT # 101810
DEPTH 0
MATRIX SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	32.6	MG/KG		0.193	11.6	1.93	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.3			0.083	0.1	0.83	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	247	MG/KG		19.95	24	3.99	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID	**10154060**	**%SOLIDS**	89.5
Client ID	**VWMP1S052**	**PROJECT #**	101810
Collected	6/16/97	**DEPTH**	0
Received	6/18/97	**MATRIX**	SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	22.8	MG/KG		0.19	10.6	1.9	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.5			0.09	0.1	0.9	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	46.3	MG/KG		4.55	5.1	0.91	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID 10154078
Client ID VWMP2S001
Collected 6/16/97
Received 6/18/97

%SOLIDS 85.2
PROJECT # 101810
DEPTH 0
MATRIX SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	42	MG/KG		0.2	11.8	2	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.3			0.085	0.1	0.85	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	16.3	MG/KG		4.75	5.58	0.95	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 64037

Inorganic Analysis Data

Pace ID	**10154086**	**%SOLIDS**	84.2
Client ID	**VWMP2S002**	**PROJECT #**	101810
Collected	6/16/97	**DEPTH**	0
Received	6/18/97	**MATRIX**	SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	27	MG/KG		0.189	11.2	1.89	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.2			0.084	0.1	0.84	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	13.1	MG/KG		4.95	5.91	0.99	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID 10154094 **%SOLIDS** 84.8
Client ID VWMP3S001 **PROJECT #** 101810
Collected 6/16/97 **DEPTH** 0
Received 6/18/97 **MATRIX** SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	41.6	MG/KG		0.194	11.5	1.94	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.0			0.085	0.1	0.85	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	28.3	MG/KG		4	4.74	0.8	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID 10154102 **%SOLIDS** 87.3
Client ID VWMP3S002 **PROJECT #** 101810
Collected 6/16/97 **DEPTH** 0
Received 6/18/97 **MATRIX** SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	23.5	MG/KG		0.193	11.1	1.93	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.0			0.087	0.1	0.87	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	32.5	MG/KG		4.1	4.71	0.82	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 64037

Inorganic Analysis Data

Pace ID	**10154136**	**%SOLIDS**	83.2
Client ID	**VWMP4S001**	**PROJECT #**	101810
Collected	6/17/97	**DEPTH**	0
Received	6/18/97	**MATRIX**	SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	31.6	MG/KG		0.199	12	1.99	07/02/97	00:00	7/2/97	EPA 350.2
pH	7.6			0.083	0.1	0.83	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	38.4	MG/KG		4.9	5.88	0.98	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID	**10154144**	**%SOLIDS**	84.6
Client ID	**VWMP4S051**	**PROJECT #**	101810
Collected	6/17/97	**DEPTH**	0
Received	6/18/97	**MATRIX**	SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	28.7	MG/KG		0.188	11.1	1.88	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.2			0.085	0.1	0.85	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	27.3	MG/KG		4.8	5.68	0.96	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID	**10154151**	**%SOLIDS**	86.6
Client ID	**VWMP4S002**	**PROJECT #**	101810
Collected	6/17/97	**DEPTH**	0
Received	6/18/97	**MATRIX**	SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	28.3	MG/KG		0.193	11.2	1.93	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.4			0.087	0.1	0.87	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	458	MG/KG		18.85	21.8	3.77	06/26/97	00:00	6/26/97	A 365.2 Modifi

IT Corporation - Rickenbacker

Lab Name: Pace Analytical Services, Inc. Case: SDG: 54037

Inorganic Analysis Data

Pace ID	**10154037**	**%SOLIDS**	86.8
Client ID	**VW1SOO1**	**PROJECT #**	101810
Collected	6/16/97	**DEPTH**	0
Received	6/18/97	**MATRIX**	SOIL

Analyte	Result	Units	Flags	RL	PQL	Dilution	Date	Time	Prep	Method
Nitrogen, Ammonia	34	MG/KG		0.188	10.8	1.88	07/02/97	00:00	7/2/97	EPA 350.2
pH	8.2			0.087	0.1	0.87	06/19/97	00:00	6/19/97	EPA 9045
Phosphorus	98.8	MG/KG		4.55	5.22	0.91	06/26/97	00:00	6/26/97	A 365.2 Modifi

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VW1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154037

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18113

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.38	U
111-44-4	bis(2-Chloroethyl)Ether	0.38	U
95-57-8	2-Chlorophenol	0.38	U
541-73-1	1,3-Dichlorobenzene	0.38	U
106-46-7	1,4-Dichlorobenzene	0.38	U
100-51-6	Benzyl alcohol	0.38	U
95-50-1	1,2-Dichlorobenzene	0.38	U
95-48-7	2-Methylphenol	0.38	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.38	U
106-44-5	4-Methylphenol	0.38	U
621-64-7	N-Nitroso-di-n-propylamine	0.38	U
67-72-1	Hexachloroethane	0.38	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.38	U
88-75-5	2-Nitrophenol	0.38	U
105-67-9	2,4-Dimethylphenol	0.38	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.38	U
120-83-2	2,4-Dichlorophenol	0.38	U
120-82-1	1,2,4-Trichlorobenzene	0.38	U
91-20-3	Naphthalene	0.99	
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	0.38	U
59-50-7	4-Chloro-3-methylphenol	0.38	U
91-57-6	2-Methylnaphthalene	2.2	
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.38	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.38	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.38	U
208-96-8	Acenaphthylene	0.38	U
606-20-2	2,6-Dinitrotoluene	0.38	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VW1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154037

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18113

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.38	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.38	U
121-14-2	2,4-Dinitrotoluene	0.38	U
84-66-2	Diethylphthalate	0.38	U
7005-72-3	4-Chlorophenyl-phenylether	0.38	U
86-73-7	Fluorene	0.38	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.38	U
101-55-3	4-Bromophenyl-phenylether	0.38	U
118-74-1	Hexachlorobenzene	0.38	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.38	U
120-12-7	Anthracene	0.38	U
84-74-2	Di-n-butylphthalate	0.38	U
206-44-0	Fluoranthene	0.38	U
129-00-0	Pyrene	0.38	U
85-68-7	Butylbenzylphthalate	0.38	U
91-94-1	3,3'-Dichlorobenzidine	0.77	U
56-55-3	Benzo(a)anthracene	0.38	U
218-01-9	Chrysene	0.38	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.38	U
117-84-0	Di-n-octylphthalate	0.38	U
205-99-2	Benzo(b)fluoranthene	0.38	U
207-08-9	Benzo(k)fluoranthene	0.38	U
50-32-8	Benzo(a)pyrene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U
53-70-3	Dibenz(a,h)anthracene	0.30	U
191-24-2	Benzo(g,h,i)perylene	0.38	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VW1SO01RE

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154037RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18304

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/01/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.38	U
111-44-4	bis(2-Chloroethyl)Ether	0.38	U
95-57-8	2-Chlorophenol	0.38	U
541-73-1	1,3-Dichlorobenzene	0.38	U
106-46-7	1,4-Dichlorobenzene	0.38	U
100-51-6	Benzyl alcohol	0.38	U
95-50-1	1,2-Dichlorobenzene	0.38	U
95-48-7	2-Methylphenol	0.38	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.38	U
106-44-5	4-Methylphenol	0.38	U
621-64-7	N-Nitroso-di-n-propylamine	0.38	U
67-72-1	Hexachloroethane	0.38	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.38	U
88-75-5	2-Nitrophenol	0.38	U
105-67-9	2,4-Dimethylphenol	0.38	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.38	U
120-83-2	2,4-Dichlorophenol	0.38	U
120-82-1	1,2,4-Trichlorobenzene	0.38	U
91-20-3	Naphthalene	1.6	
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	0.38	U
59-50-7	4-Chloro-3-methylphenol	0.38	U
91-57-6	2-Methylnaphthalene	3.5	E
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.38	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.38	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.38	U
208-96-8	Acenaphthylene	0.38	U
606-20-2	2,6-Dinitrotoluene	0.38	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VW1SO01RE

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154037RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18304

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 07/01/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.38	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.38	U
121-14-2	2,4-Dinitrotoluene	0.38	U
84-66-2	Diethylphthalate	0.38	U
7005-72-3	4-Chlorophenyl-phenylether	0.38	U
86-73-7	Fluorene	0.38	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.38	U
101-55-3	4-Bromophenyl-phenylether	0.38	U
118-74-1	Hexachlorobenzene	0.38	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.38	U
120-12-7	Anthracene	0.38	U
84-74-2	Di-n-butylphthalate	0.38	U
206-44-0	Fluoranthene	0.38	U
129-00-0	Pyrene	0.38	U
85-68-7	Butylbenzylphthalate	0.38	U
91-94-1	3,3'-Dichlorobenzidine	0.77	U
56-55-3	Benzo(a)anthracene	0.38	U
218-01-9	Chrysene	0.38	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.38	U
117-84-0	Di-n-octylphthalate	0.38	U
205-99-2	Benzo(b)fluoranthene	0.38	U
207-08-9	Benzo(k)fluoranthene	0.38	U
50-32-8	Benzo(a)pyrene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U
53-70-3	Dibenz(a,h)anthracene	0.30	U
191-24-2	Benzo(g,h,i)perylene	0.38	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154045

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18114

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.40	U
111-44-4	bis(2-Chloroethyl)Ether	0.40	U
95-57-8	2-Chlorophenol	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
100-51-6	Benzyl alcohol	0.40	U
95-50-1	1,2-Dichlorobenzene	0.40	U
95-48-7	2-Methylphenol	0.40	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.40	U
106-44-5	4-Methylphenol	0.40	U
621-64-7	N-Nitroso-di-n-propylamine	0.40	U
67-72-1	Hexachloroethane	0.40	U
98-95-3	Nitrobenzene	0.40	U
78-59-1	Isophorone	0.40	U
88-75-5	2-Nitrophenol	0.40	U
105-67-9	2,4-Dimethylphenol	0.40	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.40	U
120-83-2	2,4-Dichlorophenol	0.40	U
120-82-1	1,2,4-Trichlorobenzene	0.40	U
91-20-3	Naphthalene	0.40	U
106-47-8	4-Chloroaniline	0.40	U
87-68-3	Hexachlorobutadiene	0.40	U
59-50-7	4-Chloro-3-methylphenol	0.40	U
91-57-6	2-Methylnaphthalene	0.40	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.40	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.40	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.40	U
208-96-8	Acenaphthylene	0.40	U
606-20-2	2,6-Dinitrotoluene	0.40	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154045

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18114

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.40	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.40	U
121-14-2	2,4-Dinitrotoluene	0.40	U
84-66-2	Diethylphthalate	0.40	U
7005-72-3	4-Chlorophenyl-phenylether	0.40	U
86-73-7	Fluorene	0.40	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.40	U
101-55-3	4-Bromophenyl-phenylether	0.40	U
118-74-1	Hexachlorobenzene	0.40	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	0.40	U
84-74-2	Di-n-butylphthalate	0.40	U
206-44-0	Fluoranthene	0.40	U
129-00-0	Pyrene	0.40	U
85-68-7	Butylbenzylphthalate	0.40	U
91-94-1	3,3'-Dichlorobenzidine	0.80	U
56-55-3	Benzo(a)anthracene	0.40	U
218-01-9	Chrysene	0.40	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.40	U
117-84-0	Di-n-octylphthalate	0.40	U
205-99-2	Benzo(b)fluoranthene	0.40	U
207-08-9	Benzo(k)fluoranthene	0.40	U
50-32-8	Benzo(a)pyrene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	U
53-70-3	Dibenz(a,h)anthracene	0.31	U
191-24-2	Benzo(g,h,i)perylene	0.40	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154052

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18216

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.40	U
111-44-4	bis(2-Chloroethyl)Ether	0.40	U
95-57-8	2-Chlorophenol	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
100-51-6	Benzyl alcohol	0.40	U
95-50-1	1,2-Dichlorobenzene	0.40	U
95-48-7	2-Methylphenol	0.40	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.40	U
106-44-5	4-Methylphenol	0.40	U
621-64-7	N-Nitroso-di-n-propylamine	0.40	U
67-72-1	Hexachloroethane	0.40	U
98-95-3	Nitrobenzene	0.40	U
78-59-1	Isophorone	0.40	U
88-75-5	2-Nitrophenol	0.40	U
105-67-9	2,4-Dimethylphenol	0.40	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.40	U
120-83-2	2,4-Dichlorophenol	0.40	U
120-82-1	1,2,4-Trichlorobenzene	0.40	U
91-20-3	Naphthalene	0.40	U
106-47-8	4-Chloroaniline	0.40	U
87-68-3	Hexachlorobutadiene	0.40	U
59-50-7	4-Chloro-3-methylphenol	0.40	U
91-57-6	2-Methylnaphthalene	0.40	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.40	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.40	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.40	U
208-96-8	Acenaphthylene	0.40	U
606-20-2	2,6-Dinitrotoluene	0.40	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154052

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18216

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.40	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.40	U
121-14-2	2,4-Dinitrotoluene	0.40	U
84-66-2	Diethylphthalate	0.40	U
7005-72-3	4-Chlorophenyl-phenylether	0.40	U
86-73-7	Fluorene	0.40	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.40	U
101-55-3	4-Bromophenyl-phenylether	0.40	U
118-74-1	Hexachlorobenzene	0.40	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	0.40	U
84-74-2	Di-n-butylphthalate	0.40	U
206-44-0	Fluoranthene	0.40	U
129-00-0	Pyrene	0.40	U
85-68-7	Butylbenzylphthalate	0.40	U
91-94-1	3,3'-Dichlorobenzidine	0.80	U
56-55-3	Benzo(a)anthracene	0.40	U
218-01-9	Chrysene	0.40	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.1	
117-84-0	Di-n-octylphthalate	0.40	U
205-99-2	Benzo(b)fluoranthene	0.40	U
207-08-9	Benzo(k)fluoranthene	0.40	U
50-32-8	Benzo(a)pyrene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	U
53-70-3	Dibenz(a,h)anthracene	0.31	U
191-24-2	Benzo(g,h,i)perylene	0.40	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO52

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154060

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18117

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 10 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.37	U
111-44-4	bis(2-Chloroethyl)Ether	0.37	U
95-57-8	2-Chlorophenol	0.37	U
541-73-1	1,3-Dichlorobenzene	0.37	U
106-46-7	1,4-Dichlorobenzene	0.37	U
100-51-6	Benzyl alcohol	0.37	U
95-50-1	1,2-Dichlorobenzene	0.37	U
95-48-7	2-Methylphenol	0.37	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.37	U
106-44-5	4-Methylphenol	0.37	U
621-64-7	N-Nitroso-di-n-propylamine	0.37	U
67-72-1	Hexachloroethane	0.37	U
98-95-3	Nitrobenzene	0.37	U
78-59-1	Isophorone	0.37	U
88-75-5	2-Nitrophenol	0.37	U
105-67-9	2,4-Dimethylphenol	0.37	U
65-85-0	Benzoic acid	1.9	U
111-91-1	bis(2-Chloroethoxy)methane	0.37	U
120-83-2	2,4-Dichlorophenol	0.37	U
120-82-1	1,2,4-Trichlorobenzene	0.37	U
91-20-3	Naphthalene	0.37	U
106-47-8	4-Chloroaniline	0.37	U
87-68-3	Hexachlorobutadiene	0.37	U
59-50-7	4-Chloro-3-methylphenol	0.37	U
91-57-6	2-Methylnaphthalene	0.37	U
77-47-4	Hexachlorocyclopentadiene	1.9	U
88-06-2	2,4,6-Trichlorophenol	0.37	U
95-95-4	2,4,5-Trichlorophenol	1.9	U
91-58-7	2-Chloronaphthalene	0.37	U
88-74-4	2-Nitroaniline	1.9	U
131-11-3	Dimethylphthalate	0.37	U
208-96-8	Acenaphthylene	0.37	U
606-20-2	2,6-Dinitrotoluene	0.37	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO52

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154060

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18117

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 10 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	1.9	U
83-32-9	Acenaphthene	0.37	U
51-28-5	2,4-Dinitrophenol	1.9	U
100-02-7	4-Nitrophenol	1.9	U
132-64-9	Dibenzofuran	0.37	U
121-14-2	2,4-Dinitrotoluene	0.37	U
84-66-2	Diethylphthalate	0.37	U
7005-72-3	4-Chlorophenyl-phenylether	0.37	U
86-73-7	Fluorene	0.37	U
100-01-6	4-Nitroaniline	1.9	U
534-52-1	4,6-Dinitro-2-methylphenol	1.9	U
86-30-6	N-Nitrosodiphenylamine (1)	0.37	U
101-55-3	4-Bromophenyl-phenylether	0.37	U
118-74-1	Hexachlorobenzene	0.37	U
87-86-5	Pentachlorophenol	1.9	U
85-01-8	Phenanthrene	0.37	U
120-12-7	Anthracene	0.37	U
84-74-2	Di-n-butylphthalate	0.37	U
206-44-0	Fluoranthene	0.37	U
129-00-0	Pyrene	0.37	U
85-68-7	Butylbenzylphthalate	0.37	U
91-94-1	3,3'-Dichlorobenzidine	0.75	U
56-55-3	Benzo(a)anthracene	0.37	U
218-01-9	Chrysene	0.37	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.37	U
117-84-0	Di-n-octylphthalate	0.37	U
205-99-2	Benzo(b)fluoranthene	0.37	U
207-08-9	Benzo(k)fluoranthene	0.37	U
50-32-8	Benzo(a)pyrene	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.37	U
53-70-3	Dibenz(a,h)anthracene	0.29	U
191-24-2	Benzo(g,h,i)perylene	0.37	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP2S001

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154078

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18115

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.39	U
111-44-4	bis(2-Chloroethyl)Ether	0.39	U
95-57-8	2-Chlorophenol	0.39	U
541-73-1	1,3-Dichlorobenzene	0.39	U
106-46-7	1,4-Dichlorobenzene	0.39	U
100-51-6	Benzyl alcohol	0.39	U
95-50-1	1,2-Dichlorobenzene	0.39	U
95-48-7	2-Methylphenol	0.39	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.39	U
106-44-5	4-Methylphenol	0.39	U
621-64-7	N-Nitroso-di-n-propylamine	0.39	U
67-72-1	Hexachloroethane	0.39	U
98-95-3	Nitrobenzene	0.39	U
78-59-1	Isophorone	0.39	U
88-75-5	2-Nitrophenol	0.39	U
105-67-9	2,4-Dimethylphenol	0.39	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.39	U
120-83-2	2,4-Dichlorophenol	0.39	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U
91-20-3	Naphthalene	0.39	U
106-47-8	4-Chloroaniline	0.39	U
87-68-3	Hexachlorobutadiene	0.39	U
59-50-7	4-Chloro-3-methylphenol	0.39	U
91-57-6	2-Methylnaphthalene	0.39	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.39	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.39	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.39	U
208-96-8	Acenaphthylene	0.39	U
606-20-2	2,6-Dinitrotoluene	0.39	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154078

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18115

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.39	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.39	U
121-14-2	2,4-Dinitrotoluene	0.39	U
84-66-2	Diethylphthalate	0.39	U
7005-72-3	4-Chlorophenyl-phenylether	0.39	U
86-73-7	Fluorene	0.39	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.39	U
101-55-3	4-Bromophenyl-phenylether	0.39	U
118-74-1	Hexachlorobenzene	0.39	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.39	U
120-12-7	Anthracene	0.39	U
84-74-2	Di-n-butylphthalate	0.39	U
206-44-0	Fluoranthene	0.39	U
129-00-0	Pyrene	0.39	U
85-68-7	Butylbenzylphthalate	0.39	U
91-94-1	3,3'-Dichlorobenzidine	0.79	U
56-55-3	Benzo(a)anthracene	0.39	U
218-01-9	Chrysene	0.39	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.39	U
117-84-0	Di-n-octylphthalate	0.39	U
205-99-2	Benzo(b)fluoranthene	0.39	U
207-08-9	Benzo(k)fluoranthene	0.39	U
50-32-8	Benzo(a)pyrene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	U
53-70-3	Dibenz(a,h)anthracene	0.30	U
191-24-2	Benzo(g,h,i)perylene	0.39	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154086

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18215

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.39	U
111-44-4	bis(2-Chloroethyl)Ether	0.39	U
95-57-8	2-Chlorophenol	0.39	U
541-73-1	1,3-Dichlorobenzene	0.39	U
106-46-7	1,4-Dichlorobenzene	0.39	U
100-51-6	Benzyl alcohol	0.39	U
95-50-1	1,2-Dichlorobenzene	0.39	U
95-48-7	2-Methylphenol	0.39	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.39	U
106-44-5	4-Methylphenol	0.39	U
621-64-7	N-Nitroso-di-n-propylamine	0.39	U
67-72-1	Hexachloroethane	0.39	U
98-95-3	Nitrobenzene	0.39	U
78-59-1	Isophorone	0.39	U
88-75-5	2-Nitrophenol	0.39	U
105-67-9	2,4-Dimethylphenol	0.39	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.39	U
120-83-2	2,4-Dichlorophenol	0.39	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U
91-20-3	Naphthalene	0.39	U
106-47-8	4-Chloroaniline	0.39	U
87-68-3	Hexachlorobutadiene	0.39	U
59-50-7	4-Chloro-3-methylphenol	0.39	U
91-57-6	2-Methylnaphthalene	0.39	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.39	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.39	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.39	U
208-96-8	Acenaphthylene	0.39	U
606-20-2	2,6-Dinitrotoluene	0.39	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154086

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18215

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.39	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.39	U
121-14-2	2,4-Dinitrotoluene	0.39	U
84-66-2	Diethylphthalate	0.39	U
7005-72-3	4-Chlorophenyl-phenylether	0.39	U
86-73-7	Fluorene	0.39	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.39	U
101-55-3	4-Bromophenyl-phenylether	0.39	U
118-74-1	Hexachlorobenzene	0.39	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.39	U
120-12-7	Anthracene	0.39	U
84-74-2	Di-n-butylphthalate	0.39	U
206-44-0	Fluoranthene	0.39	U
129-00-0	Pyrene	0.39	U
85-68-7	Butylbenzylphthalate	0.39	U
91-94-1	3,3'-Dichlorobenzidine	0.80	U
56-55-3	Benzo(a)anthracene	0.39	U
218-01-9	Chrysene	0.39	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.39	U
117-84-0	Di-n-octylphthalate	0.39	U
205-99-2	Benzo(b)fluoranthene	0.39	U
207-08-9	Benzo(k)fluoranthene	0.39	U
50-32-8	Benzo(a)pyrene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	U
53-70-3	Dibenz(a,h)anthracene	0.31	U
191-24-2	Benzo(g,h,i)perylene	0.39	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154094

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18210

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.39	U
111-44-4	bis(2-Chloroethyl)Ether	0.39	U
95-57-8	2-Chlorophenol	0.39	U
541-73-1	1,3-Dichlorobenzene	0.39	U
106-46-7	1,4-Dichlorobenzene	0.39	U
100-51-6	Benzyl alcohol	0.39	U
95-50-1	1,2-Dichlorobenzene	0.39	U
95-48-7	2-Methylphenol	0.39	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.39	U
106-44-5	4-Methylphenol	0.39	U
621-64-7	N-Nitroso-di-n-propylamine	0.39	U
67-72-1	Hexachloroethane	0.39	U
98-95-3	Nitrobenzene	0.39	U
78-59-1	Isophorone	0.39	U
88-75-5	2-Nitrophenol	0.39	U
105-67-9	2,4-Dimethylphenol	0.39	U
65-85-0	Benzoic acid	0.39	U
111-91-1	bis(2-Chloroethoxy)methane	2.0	U
120-83-2	2,4-Dichlorophenol	0.39	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U
91-20-3	Naphthalene	0.39	U
106-47-8	4-Chloroaniline	0.39	U
87-68-3	Hexachlorobutadiene	0.39	U
59-50-7	4-Chloro-3-methylphenol	0.39	U
91-57-6	2-Methylnaphthalene	0.39	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.39	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.39	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.39	U
208-96-8	Acenaphthylene	0.39	U
606-20-2	2,6-Dinitrotoluene	0.39	U

FORM I SV-1

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154094

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18210

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.39	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.39	U
121-14-2	2,4-Dinitrotoluene	0.39	U
84-66-2	Diethylphthalate	0.39	U
7005-72-3	4-Chlorophenyl-phenylether	0.39	U
86-73-7	Fluorene	0.39	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.39	U
101-55-3	4-Bromophenyl-phenylether	0.39	U
118-74-1	Hexachlorobenzene	0.39	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.24	J
120-12-7	Anthracene	0.042	J
84-74-2	Di-n-butylphthalate	0.39	U
206-44-0	Fluoranthene	0.33	J
129-00-0	Pyrene	0.22	J
85-68-7	Butylbenzylphthalate	0.39	U
91-94-1	3,3'-Dichlorobenzidine	0.79	U
56-55-3	Benzo(a)anthracene	0.092	J
218-01-9	Chrysene	0.11	J
117-81-7	bis(2-Ethylhexyl)phthalate	0.39	U
117-84-0	Di-n-octylphthalate	0.39	U
205-99-2	Benzo(b)fluoranthene	0.11	J
207-08-9	Benzo(k)fluoranthene	0.058	J
50-32-8	Benzo(a)pyrene	0.092	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.060	J
53-70-3	Dibenz(a,h)anthracene	0.31	U
191-24-2	Benzo(g,h,i)perylene	0.047	J

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18211

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.38	U
111-44-4	bis(2-Chloroethyl)Ether	0.38	U
95-57-8	2-Chlorophenol	0.38	U
541-73-1	1,3-Dichlorobenzene	0.38	U
106-46-7	1,4-Dichlorobenzene	0.38	U
100-51-6	Benzyl alcohol	0.38	U
95-50-1	1,2-Dichlorobenzene	0.38	U
95-48-7	2-Methylphenol	0.38	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.38	U
106-44-5	4-Methylphenol	0.38	U
621-64-7	N-Nitroso-di-n-propylamine	0.38	U
67-72-1	Hexachloroethane	0.38	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.38	U
88-75-5	2-Nitrophenol	0.38	U
105-67-9	2,4-Dimethylphenol	0.38	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.38	U
120-83-2	2,4-Dichlorophenol	0.38	U
120-82-1	1,2,4-Trichlorobenzene	0.38	U
91-20-3	Naphthalene	0.38	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	0.38	U
59-50-7	4-Chloro-3-methylphenol	0.38	U
91-57-6	2-Methylnaphthalene	0.38	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.38	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.38	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.38	U
208-96-8	Acenaphthylene	0.38	U
606-20-2	2,6-Dinitrotoluene	0.38	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18211

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.38	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.38	U
121-14-2	2,4-Dinitrotoluene	0.38	U
84-66-2	Diethylphthalate	0.38	U
7005-72-3	4-Chlorophenyl-phenylether	0.38	U
86-73-7	Fluorene	0.38	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.38	U
101-55-3	4-Bromophenyl-phenylether	0.38	U
118-74-1	Hexachlorobenzene	0.38	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.38	U
120-12-7	Anthracene	0.38	U
84-74-2	Di-n-butylphthalate	0.38	U
206-44-0	Fluoranthene	0.38	U
129-00-0	Pyrene	0.38	U
85-68-7	Butylbenzylphthalate	0.38	U
91-94-1	3,3'-Dichlorobenzidine	0.77	U
56-55-3	Benzo(a)anthracene	0.38	U
218-01-9	Chrysene	0.38	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.38	U
117-84-0	Di-n-octylphthalate	0.38	U
205-99-2	Benzo(b)fluoranthene	0.38	U
207-08-9	Benzo(k)fluoranthene	0.38	U
50-32-8	Benzo(a)pyrene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U
53-70-3	Dibenz(a,h)anthracene	0.30	U
191-24-2	Benzo(g,h,i)perylene	0.38	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154136

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18116

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.40	U
111-44-4	bis(2-Chloroethyl)Ether	0.40	U
95-57-8	2-Chlorophenol	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
100-51-6	Benzyl alcohol	0.40	U
95-50-1	1,2-Dichlorobenzene	0.40	U
95-48-7	2-Methylphenol	0.40	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.40	U
106-44-5	4-Methylphenol	0.40	U
621-64-7	N-Nitroso-di-n-propylamine	0.40	U
67-72-1	Hexachloroethane	0.40	U
98-95-3	Nitrobenzene	0.40	U
78-59-1	Isophorone	0.40	U
88-75-5	2-Nitrophenol	0.40	U
105-67-9	2,4-Dimethylphenol	0.40	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.40	U
120-83-2	2,4-Dichlorophenol	0.40	U
120-82-1	1,2,4-Trichlorobenzene	0.40	U
91-20-3	Naphthalene	0.40	U
106-47-8	4-Chloroaniline	0.40	U
87-68-3	Hexachlorobutadiene	0.40	U
59-50-7	4-Chloro-3-methylphenol	0.40	U
91-57-6	2-Methylnaphthalene	0.40	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.40	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.40	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.40	U
208-96-8	Acenaphthylene	0.40	U
606-20-2	2,6-Dinitrotoluene	0.40	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154136

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18116

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/30/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.40	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.40	U
121-14-2	2,4-Dinitrotoluene	0.40	U
84-66-2	Diethylphthalate	0.40	U
7005-72-3	4-Chlorophenyl-phenylether	0.40	U
86-73-7	Fluorene	0.40	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.40	U
101-55-3	4-Bromophenyl-phenylether	0.40	U
118-74-1	Hexachlorobenzene	0.40	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.40	U
120-12-7	Anthracene	0.40	U
84-74-2	Di-n-butylphthalate	0.40	U
206-44-0	Fluoranthene	0.40	U
129-00-0	Pyrene	0.40	U
85-68-7	Butylbenzylphthalate	0.40	U
91-94-1	3,3'-Dichlorobenzidine	0.80	U
56-55-3	Benzo(a)anthracene	0.40	U
218-01-9	Chrysene	0.40	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.40	U
117-84-0	Di-n-octylphthalate	0.40	U
205-99-2	Benzo(b)fluoranthene	0.40	U
207-08-9	Benzo(k)fluoranthene	0.40	U
50-32-8	Benzo(a)pyrene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.40	U
53-70-3	Dibenz(a,h)anthracene	0.31	U
191-24-2	Benzo(g,h,i)perylene	0.40	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154151

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18214

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.38	U
111-44-4	bis(2-Chloroethyl)Ether	0.38	U
95-57-8	2-Chlorophenol	0.38	U
541-73-1	1,3-Dichlorobenzene	0.38	U
106-46-7	1,4-Dichlorobenzene	0.38	U
100-51-6	Benzyl alcohol	0.38	U
95-50-1	1,2-Dichlorobenzene	0.38	U
95-48-7	2-Methylphenol	0.38	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.38	U
106-44-5	4-Methylphenol	0.38	U
621-64-7	N-Nitroso-di-n-propylamine	0.38	U
67-72-1	Hexachloroethane	0.38	U
98-95-3	Nitrobenzene	0.38	U
78-59-1	Isophorone	0.38	U
88-75-5	2-Nitrophenol	0.38	U
105-67-9	2,4-Dimethylphenol	0.38	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.38	U
120-83-2	2,4-Dichlorophenol	0.38	U
120-82-1	1,2,4-Trichlorobenzene	0.38	U
91-20-3	Naphthalene	0.38	U
106-47-8	4-Chloroaniline	0.38	U
87-68-3	Hexachlorobutadiene	0.38	U
59-50-7	4-Chloro-3-methylphenol	0.38	U
91-57-6	2-Methylnaphthalene	0.38	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.38	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.38	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.38	U
208-96-8	Acenaphthylene	0.38	U
606-20-2	2,6-Dinitrotoluene	0.38	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154151

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18214

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.38	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.38	U
121-14-2	2,4-Dinitrotoluene	0.38	U
84-66-2	Diethylphthalate	0.38	U
7005-72-3	4-Chlorophenyl-phenylether	0.38	U
86-73-7	Fluorene	0.38	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.38	U
101-55-3	4-Bromophenyl-phenylether	0.38	U
118-74-1	Hexachlorobenzene	0.38	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.38	U
120-12-7	Anthracene	0.38	U
84-74-2	Di-n-butylphthalate	0.38	U
206-44-0	Fluoranthene	0.38	U
129-00-0	Pyrene	0.38	U
85-68-7	Butylbenzylphthalate	0.38	U
91-94-1	3,3'-Dichlorobenzidine	0.77	U
56-55-3	Benzo(a)anthracene	0.38	U
218-01-9	Chrysene	0.38	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.38	U
117-84-0	Di-n-octylphthalate	0.38	U
205-99-2	Benzo(b)fluoranthene	0.38	U
207-08-9	Benzo(k)fluoranthene	0.38	U
50-32-8	Benzo(a)pyrene	0.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U
53-70-3	Dibenz(a,h)anthracene	0.30	U
191-24-2	Benzo(g,h,i)perylene	0.38	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO51

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154144

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18212

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
108-95-2	Phenol	0.39	U
111-44-4	bis(2-Chloroethyl)Ether	0.39	U
95-57-8	2-Chlorophenol	0.39	U
541-73-1	1,3-Dichlorobenzene	0.39	U
106-46-7	1,4-Dichlorobenzene	0.39	U
100-51-6	Benzyl alcohol	0.39	U
95-50-1	1,2-Dichlorobenzene	0.39	U
95-48-7	2-Methylphenol	0.39	U
108-60-1	2,2'-oxybis(1-Chloropropane)	0.39	U
106-44-5	4-Methylphenol	0.39	U
621-64-7	N-Nitroso-di-n-propylamine	0.39	U
67-72-1	Hexachloroethane	0.39	U
98-95-3	Nitrobenzene	0.39	U
78-59-1	Isophorone	0.39	U
88-75-5	2-Nitrophenol	0.39	U
105-67-9	2,4-Dimethylphenol	0.39	U
65-85-0	Benzoic acid	2.0	U
111-91-1	bis(2-Chloroethoxy)methane	0.39	U
120-83-2	2,4-Dichlorophenol	0.39	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U
91-20-3	Naphthalene	0.39	U
106-47-8	4-Chloroaniline	0.39	U
87-68-3	Hexachlorobutadiene	0.39	U
59-50-7	4-Chloro-3-methylphenol	0.39	U
91-57-6	2-Methylnaphthalene	0.39	U
77-47-4	Hexachlorocyclopentadiene	2.0	U
88-06-2	2,4,6-Trichlorophenol	0.39	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	0.39	U
88-74-4	2-Nitroaniline	2.0	U
131-11-3	Dimethylphthalate	0.39	U
208-96-8	Acenaphthylene	0.39	U
606-20-2	2,6-Dinitrotoluene	0.39	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO51

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154144

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 18212

Level: (low/med) LOW Date Received: 06/18/97

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/22/97

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/01/97

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or mg/kg) MG/KG	Q
99-09-2	3-Nitroaniline	2.0	U
83-32-9	Acenaphthene	0.39	U
51-28-5	2,4-Dinitrophenol	2.0	U
100-02-7	4-Nitrophenol	2.0	U
132-64-9	Dibenzofuran	0.39	U
121-14-2	2,4-Dinitrotoluene	0.39	U
84-66-2	Diethylphthalate	0.39	U
7005-72-3	4-Chlorophenyl-phenylether	0.39	U
86-73-7	Fluorene	0.39	U
100-01-6	4-Nitroaniline	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	2.0	U
86-30-6	N-Nitrosodiphenylamine (1)	0.39	U
101-55-3	4-Bromophenyl-phenylether	0.39	U
118-74-1	Hexachlorobenzene	0.39	U
87-86-5	Pentachlorophenol	2.0	U
85-01-8	Phenanthrene	0.39	U
120-12-7	Anthracene	0.39	U
84-74-2	Di-n-butylphthalate	0.39	U
206-44-0	Fluoranthene	0.39	U
129-00-0	Pyrene	0.39	U
85-68-7	Butylbenzylphthalate	0.39	U
91-94-1	3,3'-Dichlorobenzidine	0.79	U
56-55-3	Benzo(a)anthracene	0.39	U
218-01-9	Chrysene	0.39	U
117-81-7	bis(2-Ethylhexyl)phthalate	0.39	U
117-84-0	Di-n-octylphthalate	0.39	U
205-99-2	Benzo(b)fluoranthene	0.39	U
207-08-9	Benzo(k)fluoranthene	0.39	U
50-32-8	Benzo(a)pyrene	0.31	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	U
53-70-3	Dibenz(a,h)anthracene	0.31	U
191-24-2	Benzo(g,h,i)perylene	0.39	U

(1) - Cannot be separated from Diphenylamine

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VW1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154037

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813301033

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0058	U
75-01-4	Vinyl Chloride	0.0058	U
74-83-9	Bromomethane	0.0058	U
75-00-3	Chloroethane	0.0058	U
75-35-4	1,1-Dichloroethene	0.0058	U
75-09-2	Methylene Chloride	0.0058	U
156-60-5	trans-1,2-Dichloroethene	0.0058	U
75-34-3	1,1-Dichloroethane	0.0058	U
156-59-2	cis-1,2-Dichloroethene	0.0058	U
67-66-3	Chloroform	0.0058	U
71-55-6	1,1,1-Trichloroethane	0.0058	U
56-23-5	Carbon Tetrachloride	0.0058	U
71-43-2	Benzene	0.0058	U
107-06-2	1,2-Dichloroethane	0.0058	U
79-01-6	Trichloroethene	0.0024	J
78-87-5	1,2-Dichloropropane	0.0058	U
75-27-4	Bromodichloromethane	0.0058	U
108-88-3	Toluene	0.13	
79-00-5	1,1,2-Trichloroethane	0.0058	U
127-18-4	Tetrachloroethene	0.0026	J
124-48-1	Dibromochloromethane	0.0058	U
108-90-7	Chlorobenzene	0.0058	U
100-41-4	Ethylbenzene	0.86	E
7816-60-0	M&P-Xylene	2.2	EB
95-47-6	O-Xylene	1.1	E
100-42-5	Styrene	0.036	
75-25-2	Bromoform	0.0058	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U
10061-02-6	trans-1,3-Dichloropropene	0.0058	U
10061-01-5	cis-1,3-Dichloropropene	0.0058	U
1330-20-7	Xylene (Total)	3.4	EB
67-64-1	Acetone	0.043	B
78-93-3	2-Butanone	0.011	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VW1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154037

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813301033

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0058	U
108-10-1	4-Methyl-2-Pentanone	0.0058	U
591-78-6	2-Hexanone	0.0058	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154045

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 17511

Level: (low/med) MED Date Collected: 06/16/97

% Moisture: not dec. 17 Date Analyzed: 06/24/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.75	U
75-01-4	Vinyl Chloride	0.75	U
74-83-9	Bromomethane	0.75	U
75-00-3	Chloroethane	0.75	U
75-35-4	1,1-Dichloroethene	0.75	U
75-09-2	Methylene Chloride	2.7	B
156-60-5	trans-1,2-Dichloroethene	0.75	U
75-34-3	1,1-Dichloroethane	0.75	U
156-59-2	cis-1,2-Dichloroethene	0.75	U
67-66-3	Chloroform	0.75	U
71-55-6	1,1,1-Trichloroethane	0.75	U
56-23-5	Carbon Tetrachloride	0.75	U
563-58-6	1,1-Dichloropropene	0.75	U
71-43-2	Benzene	0.75	U
107-06-2	1,2-Dichloroethane	0.75	U
79-01-6	Trichloroethene	0.75	U
78-87-5	1,2-Dichloropropane	0.75	U
75-27-4	Bromodichloromethane	0.75	U
108-88-3	Toluene	0.75	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	0.75	U
124-48-1	Dibromochloromethane	0.75	U
108-90-7	Chlorobenzene	0.75	U
100-41-4	Ethylbenzene	0.54	J
7816-60-0	M&P-Xylene	0.88	
95-47-6	O-Xylene	0.24	J
100-42-5	Styrene	0.75	U
75-25-2	Bromoform	0.75	U
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U
10061-02-6	trans-1,3-Dichloropropene	0.75	U
10061-01-5	cis-1,3-Dichloropropene	0.75	U
1330-20-7	Xylene (Total)	1.1	
67-64-1	Acetone	7.1	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154045

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 17511

Level: (low/med) MED Date Collected: 06/16/97

% Moisture: not dec. 17 Date Analyzed: 06/24/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
78-93-3	2-Butanone	63	EB
75-15-0	Carbon Disulfide	0.75	U
108-10-1	4-Methyl-2-Pentanone	0.75	U
591-78-6	2-Hexanone	0.75	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154052

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 17512

Level: (low/med) MED Date Collected: 06/16/97

% Moisture: not dec. 17 Date Analyzed: 06/24/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.75	U
75-01-4	Vinyl Chloride	0.75	U
74-83-9	Bromomethane	0.75	U
75-00-3	Chloroethane	0.75	U
75-35-4	1,1-Dichloroethene	0.75	U
75-09-2	Methylene Chloride	2.5	B
156-60-5	trans-1,2-Dichloroethene	0.75	U
75-34-3	1,1-Dichloroethane	0.75	U
156-59-2	cis-1,2-Dichloroethene	0.75	U
67-66-3	Chloroform	0.75	U
71-55-6	1,1,1-Trichloroethane	0.75	U
56-23-5	Carbon Tetrachloride	0.75	U
563-58-6	1,1-Dichloropropene	0.75	U
71-43-2	Benzene	0.75	U
107-06-2	1,2-Dichloroethane	0.75	U
79-01-6	Trichloroethene	0.75	U
78-87-5	1,2-Dichloropropane	0.75	U
75-27-4	Bromodichloromethane	0.75	U
108-88-3	Toluene	0.75	U
79-00-5	1,1,2-Trichloroethane	0.75	U
127-18-4	Tetrachloroethene	0.75	U
124-48-1	Dibromochloromethane	0.75	U
108-90-7	Chlorobenzene	0.75	U
100-41-4	Ethylbenzene	0.75	U
7816-60-0	M&P-Xylene	0.75	U
95-47-6	O-Xylene	0.75	U
100-42-5	Styrene	0.75	U
75-25-2	Bromoform	0.75	U
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U
10061-02-6	trans-1,3-Dichloropropene	0.75	U
10061-01-5	cis-1,3-Dichloropropene	0.75	U
1330-20-7	Xylene (Total)	0.75	U
67-64-1	Acetone	7.6	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154052

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 17512

Level: (low/med) MED Date Collected: 06/16/97

% Moisture: not dec. 17 Date Analyzed: 06/24/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
78-93-3	2-Butanone	0.75	U
75-15-0	Carbon Disulfide	0.75	U
108-10-1	4-Methyl-2-Pentanone	0.75	U
591-78-6	2-Hexanone	0.75	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO52

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154060

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821601016

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 10 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0056	U
75-01-4	Vinyl Chloride	0.0056	U
74-83-9	Bromomethane	0.0056	U
75-00-3	Chloroethane	0.0056	U
75-35-4	1,1-Dichloroethene	0.0056	U
75-09-2	Methylene Chloride	0.0056	U
156-60-5	trans-1,2-Dichloroethene	0.0056	U
75-34-3	1,1-Dichloroethane	0.0056	U
156-59-2	cis-1,2-Dichloroethene	0.0056	U
67-66-3	Chloroform	0.0056	U
71-55-6	1,1,1-Trichloroethane	0.0056	U
56-23-5	Carbon Tetrachloride	0.0056	U
71-43-2	Benzene	0.0056	U
107-06-2	1,2-Dichloroethane	0.0056	U
79-01-6	Trichloroethene	0.0056	U
78-87-5	1,2-Dichloropropane	0.0056	U
75-27-4	Bromodichloromethane	0.0056	U
108-88-3	Toluene	0.0051	J
79-00-5	1,1,2-Trichloroethane	0.0056	U
127-18-4	Tetrachloroethene	0.0056	U
124-48-1	Dibromochloromethane	0.0056	U
108-90-7	Chlorobenzene	0.0056	U
100-41-4	Ethylbenzene	0.0025	J
7816-60-0	M&P-Xylene	0.0081	B
95-47-6	O-Xylene	0.0056	U
100-42-5	Styrene	0.0056	U
75-25-2	Bromoform	0.0056	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0056	U
10061-02-6	trans-1,3-Dichloropropene	0.0056	U
10061-01-5	cis-1,3-Dichloropropene	0.0056	U
1330-20-7	Xylene (Total)	0.0082	B
67-64-1	Acetone	0.0068	B
78-93-3	2-Butanone	0.0056	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO52

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154060

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821601016

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 10 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0056	U
108-10-1	4-Methyl-2-Pentanone	0.0056	U
591-78-6	2-Hexanone	0.0056	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO52DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154060DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813101031

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 10 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.028	U
75-01-4	Vinyl Chloride	0.028	U
74-83-9	Bromomethane	0.028	U
75-00-3	Chloroethane	0.028	U
75-35-4	1,1-Dichloroethene	0.028	U
75-09-2	Methylene Chloride	0.028	U
156-60-5	trans-1,2-Dichloroethene	0.028	U
75-34-3	1,1-Dichloroethane	0.028	U
156-59-2	cis-1,2-Dichloroethene	0.028	U
67-66-3	Chloroform	0.028	U
71-55-6	1,1,1-Trichloroethane	0.028	U
56-23-5	Carbon Tetrachloride	0.028	U
71-43-2	Benzene	0.028	U
107-06-2	1,2-Dichloroethane	0.032	D
79-01-6	Trichloroethene	0.028	U
78-87-5	1,2-Dichloropropane	0.028	U
75-27-4	Bromodichloromethane	0.028	U
108-88-3	Toluene	0.011	DJ
79-00-5	1,1,2-Trichloroethane	0.028	U
127-18-4	Tetrachloroethene	0.028	U
124-48-1	Dibromochloromethane	0.028	U
108-90-7	Chlorobenzene	0.028	U
100-41-4	Ethylbenzene	0.028	U
7816-60-0	M&P-Xylene	0.028	U
95-47-6	O-Xylene	0.028	U
100-42-5	Styrene	0.028	U
75-25-2	Bromoform	0.028	U
79-34-5	1,1,2,2-Tetrachloroethane	0.028	U
10061-02-6	trans-1,3-Dichloropropene	0.028	U
10061-01-5	cis-1,3-Dichloropropene	0.028	U
1330-20-7	Xylene (Total)	0.028	U
67-64-1	Acetone	0.042	DB
78-93-3	2-Butanone	0.028	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP1SO52DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154060DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813101031

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 10 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.028	U
108-10-1	4-Methyl-2-Pentanone	0.028	U
591-78-6	2-Hexanone	0.028	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154078

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821101011

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 15 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0059	U
75-01-4	Vinyl Chloride	0.0059	U
74-83-9	Bromomethane	0.0059	U
75-00-3	Chloroethane	0.0059	U
75-35-4	1,1-Dichloroethene	0.0059	U
75-09-2	Methylene Chloride	0.0059	U
156-60-5	trans-1,2-Dichloroethene	0.0059	U
75-34-3	1,1-Dichloroethane	0.0059	U
156-59-2	cis-1,2-Dichloroethene	0.0059	U
67-66-3	Chloroform	0.0059	U
71-55-6	1,1,1-Trichloroethane	0.0059	U
56-23-5	Carbon Tetrachloride	0.0059	U
71-43-2	Benzene	0.0059	U
107-06-2	1,2-Dichloroethane	0.0059	U
79-01-6	Trichloroethene	0.0059	U
78-87-5	1,2-Dichloropropane	0.0059	U
75-27-4	Bromodichloromethane	0.0059	U
108-88-3	Toluene	0.0059	U
79-00-5	1,1,2-Trichloroethane	0.0059	U
127-18-4	Tetrachloroethene	0.0059	U
124-48-1	Dibromochloromethane	0.0059	U
108-90-7	Chlorobenzene	0.0059	U
100-41-4	Ethylbenzene	0.0018	J
7816-60-0	M&P-Xylene	0.0032	JB
95-47-6	O-Xylene	0.0059	U
100-42-5	Styrene	0.0059	U
75-25-2	Bromoform	0.0059	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0059	U
10061-02-6	trans-1,3-Dichloropropene	0.0059	U
10061-01-5	cis-1,3-Dichloropropene	0.0059	U
1330-20-7	Xylene (Total)	0.0032	JB
67-64-1	Acetone	0.0059	U
78-93-3	2-Butanone	0.0059	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154078

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821101011

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 15 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0059	U
108-10-1	4-Methyl-2-Pentanone	0.0059	U
591-78-6	2-Hexanone	0.0059	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO01DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154078DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1812901029

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 15 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.029	U
75-01-4	Vinyl Chloride	0.029	U
74-83-9	Bromomethane	0.029	U
75-00-3	Chloroethane	0.029	U
75-35-4	1,1-Dichloroethene	0.029	U
75-09-2	Methylene Chloride	0.029	U
156-60-5	trans-1,2-Dichloroethene	0.029	U
75-34-3	1,1-Dichloroethane	0.029	U
156-59-2	cis-1,2-Dichloroethene	0.029	U
67-66-3	Chloroform	0.029	U
71-55-6	1,1,1-Trichloroethane	0.029	U
56-23-5	Carbon Tetrachloride	0.029	U
71-43-2	Benzene	0.029	U
107-06-2	1,2-Dichloroethane	0.029	U
79-01-6	Trichloroethene	0.029	U
78-87-5	1,2-Dichloropropane	0.029	U
75-27-4	Bromodichloromethane	0.029	U
108-88-3	Toluene	0.029	U
79-00-5	1,1,2-Trichloroethane	0.029	U
127-18-4	Tetrachloroethene	0.029	U
124-48-1	Dibromochloromethane	0.029	U
108-90-7	Chlorobenzene	0.029	U
100-41-4	Ethylbenzene	0.029	U
7816-60-0	M&P-Xylene	0.029	U
95-47-6	O-Xylene	0.029	U
100-42-5	Styrene	0.029	U
75-25-2	Bromoform	0.029	U
79-34-5	1,1,2,2-Tetrachloroethane	0.029	U
10061-02-6	trans-1,3-Dichloropropene	0.029	U
10061-01-5	cis-1,3-Dichloropropene	0.029	U
1330-20-7	Xylene (Total)	0.029	U
67-64-1	Acetone	0.021	DJB
78-93-3	2-Butanone	0.029	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO01DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154078DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1812901029

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 15 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.029	U
108-10-1	4-Methyl-2-Pentanone	0.029	U
591-78-6	2-Hexanone	0.029	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154086

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821201012

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 16 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0059	U
75-01-4	Vinyl Chloride	0.0059	U
74-83-9	Bromomethane	0.0059	U
75-00-3	Chloroethane	0.0059	U
75-35-4	1,1-Dichloroethene	0.0059	U
75-09-2	Methylene Chloride	0.0059	U
156-60-5	trans-1,2-Dichloroethene	0.0059	U
75-34-3	1,1-Dichloroethane	0.0059	U
156-59-2	cis-1,2-Dichloroethene	0.0059	U
67-66-3	Chloroform	0.0059	U
71-55-6	1,1,1-Trichloroethane	0.0059	U
56-23-5	Carbon Tetrachloride	0.0059	U
71-43-2	Benzene	0.0059	U
107-06-2	1,2-Dichloroethane	0.0026	JB
79-01-6	Trichloroethene	0.0059	U
78-87-5	1,2-Dichloropropane	0.0059	U
75-27-4	Bromodichloromethane	0.0059	U
108-88-3	Toluene	0.014	
79-00-5	1,1,2-Trichloroethane	0.0059	U
127-18-4	Tetrachloroethene	0.0059	U
124-48-1	Dibromochloromethane	0.0059	U
108-90-7	Chlorobenzene	0.0059	U
100-41-4	Ethylbenzene	0.0059	U
7816-60-0	M&P-Xylene	0.0048	JB
95-47-6	O-Xylene	0.0059	U
100-42-5	Styrene	0.0059	U
75-25-2	Bromoform	0.0059	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0059	U
10061-02-6	trans-1,3-Dichloropropene	0.0059	U
10061-01-5	cis-1,3-Dichloropropene	0.0059	U
1330-20-7	Xylene (Total)	0.0048	JB
67-64-1	Acetone	0.0084	B
78-93-3	2-Butanone	0.0039	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154086

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821201012

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 16 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0059	U
108-10-1	4-Methyl-2-Pentanone	0.0059	U
591-78-6	2-Hexanone	0.0059	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO02DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154086DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813001030

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 16 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.030	U
75-01-4	Vinyl Chloride	0.030	U
74-83-9	Bromomethane	0.030	U
75-00-3	Chloroethane	0.030	U
75-35-4	1,1-Dichloroethene	0.030	U
75-09-2	Methylene Chloride	0.030	U
156-60-5	trans-1,2-Dichloroethene	0.030	U
75-34-3	1,1-Dichloroethane	0.030	U
156-59-2	cis-1,2-Dichloroethene	0.030	U
67-66-3	Chloroform	0.030	U
71-55-6	1,1,1-Trichloroethane	0.030	U
56-23-5	Carbon Tetrachloride	0.030	U
71-43-2	Benzene	0.030	U
107-06-2	1,2-Dichloroethane	0.030	U
79-01-6	Trichloroethene	0.030	U
78-87-5	1,2-Dichloropropane	0.030	U
75-27-4	Bromodichloromethane	0.030	U
108-88-3	Toluene	0.015	DJ
79-00-5	1,1,2-Trichloroethane	0.030	U
127-18-4	Tetrachloroethene	0.030	U
124-48-1	Dibromochloromethane	0.030	U
108-90-7	Chlorobenzene	0.030	U
100-41-4	Ethylbenzene	0.030	U
7816-60-0	M&P-Xylene	0.030	U
95-47-6	O-Xylene	0.030	U
100-42-5	Styrene	0.030	U
75-25-2	Bromoform	0.030	U
79-34-5	1,1,2,2-Tetrachloroethane	0.030	U
10061-02-6	trans-1,3-Dichloropropene	0.030	U
10061-01-5	cis-1,3-Dichloropropene	0.030	U
1330-20-7	Xylene (Total)	0.030	U
67-64-1	Acetone	0.036	DB
78-93-3	2-Butanone	0.030	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP2SO02DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154086DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813001030

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 16 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.030	U
108-10-1	4-Methyl-2-Pentanone	0.030	U
591-78-6	2-Hexanone	0.030	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154094

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 17516

Level: (low/med) MED Date Collected: 06/16/97

% Moisture: not dec. 15 Date Analyzed: 06/24/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.74	U
75-01-4	Vinyl Chloride	0.74	U
74-83-9	Bromomethane	0.74	U
75-00-3	Chloroethane	0.74	U
75-35-4	1,1-Dichloroethene	0.74	U
75-09-2	Methylene Chloride	0.78	B
156-60-5	trans-1,2-Dichloroethene	0.74	U
75-34-3	1,1-Dichloroethane	0.74	U
156-59-2	cis-1,2-Dichloroethene	0.74	U
67-66-3	Chloroform	0.74	U
71-55-6	1,1,1-Trichloroethane	0.74	U
56-23-5	Carbon Tetrachloride	0.74	U
563-58-6	1,1-Dichloropropene	0.74	U
71-43-2	Benzene	0.74	U
107-06-2	1,2-Dichloroethane	0.74	U
79-01-6	Trichloroethene	0.74	U
78-87-5	1,2-Dichloropropane	0.74	U
75-27-4	Bromodichloromethane	0.74	U
108-88-3	Toluene	0.74	U
79-00-5	1,1,2-Trichloroethane	0.74	U
127-18-4	Tetrachloroethene	0.74	U
124-48-1	Dibromochloromethane	0.74	U
108-90-7	Chlorobenzene	0.74	U
100-41-4	Ethylbenzene	2.4	
7816-60-0	M&P-Xylene	11	
95-47-6	O-Xylene	1.7	
100-42-5	Styrene	0.74	U
75-25-2	Bromoform	0.74	U
79-34-5	1,1,2,2-Tetrachloroethane	0.74	U
10061-02-6	trans-1,3-Dichloropropene	0.74	U
10061-01-5	cis-1,3-Dichloropropene	0.74	U
1330-20-7	Xylene (Total)	12	
67-64-1	Acetone	6.0	B

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154094

Sample wt/vol: 4.0 (g/mL) G Lab File ID: 17516

Level: (low/med) MED Date Collected: 06/16/97

% Moisture: not dec. 15 Date Analyzed: 06/24/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
78-93-3	2-Butanone	0.26	JB
75-15-0	Carbon Disulfide	0.74	U
108-10-1	4-Methyl-2-Pentanone	0.74	U
591-78-6	2-Hexanone	0.74	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821301013

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0057	U
75-01-4	Vinyl Chloride	0.0057	U
74-83-9	Bromomethane	0.0057	U
75-00-3	Chloroethane	0.0057	U
75-35-4	1,1-Dichloroethene	0.0057	U
75-09-2	Methylene Chloride	0.0057	U
156-60-5	trans-1,2-Dichloroethene	0.0057	U
75-34-3	1,1-Dichloroethane	0.0057	U
156-59-2	cis-1,2-Dichloroethene	0.0057	U
67-66-3	Chloroform	0.0057	U
71-55-6	1,1,1-Trichloroethane	0.0057	U
56-23-5	Carbon Tetrachloride	0.0057	U
71-43-2	Benzene	0.0057	U
107-06-2	1,2-Dichloroethane	0.0057	U
79-01-6	Trichloroethene	0.0057	U
78-87-5	1,2-Dichloropropane	0.0057	U
75-27-4	Bromodichloromethane	0.0057	U
108-88-3	Toluene	0.0057	U
79-00-5	1,1,2-Trichloroethane	0.0057	U
127-18-4	Tetrachloroethene	0.0057	U
124-48-1	Dibromochloromethane	0.0057	U
108-90-7	Chlorobenzene	0.0057	U
100-41-4	Ethylbenzene	0.0057	U
7816-60-0	M&P-Xylene	0.0039	JB
95-47-6	O-Xylene	0.0057	U
100-42-5	Styrene	0.0057	U
75-25-2	Bromoform	0.0057	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0057	U
10061-02-6	trans-1,3-Dichloropropene	0.0057	U
10061-01-5	cis-1,3-Dichloropropene	0.0057	U
1330-20-7	Xylene (Total)	0.0040	JB
67-64-1	Acetone	0.0057	U
78-93-3	2-Butanone	0.0020	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821301013

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0057	U
108-10-1	4-Methyl-2-Pentanone	0.0057	U
591-78-6	2-Hexanone	0.0057	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813201032

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.029	U
75-01-4	Vinyl Chloride	0.029	U
74-83-9	Bromomethane	0.029	U
75-00-3	Chloroethane	0.029	U
75-35-4	1,1-Dichloroethene	0.029	U
75-09-2	Methylene Chloride	0.029	U
156-60-5	trans-1,2-Dichloroethene	0.029	U
75-34-3	1,1-Dichloroethane	0.029	U
156-59-2	cis-1,2-Dichloroethene	0.029	U
67-66-3	Chloroform	0.029	U
71-55-6	1,1,1-Trichloroethane	0.029	U
56-23-5	Carbon Tetrachloride	0.029	U
71-43-2	Benzene	0.029	U
107-06-2	1,2-Dichloroethane	0.029	U
79-01-6	Trichloroethene	0.029	U
78-87-5	1,2-Dichloropropane	0.029	U
75-27-4	Bromodichloromethane	0.029	U
108-88-3	Toluene	0.029	U
79-00-5	1,1,2-Trichloroethane	0.029	U
127-18-4	Tetrachloroethene	0.029	U
124-48-1	Dibromochloromethane	0.029	U
108-90-7	Chlorobenzene	0.029	U
100-41-4	Ethylbenzene	0.029	U
7816-60-0	M&P-Xylene	0.029	U
95-47-6	O-Xylene	0.029	U
100-42-5	Styrene	0.029	U
75-25-2	Bromoform	0.029	U
79-34-5	1,1,2,2-Tetrachloroethane	0.029	U
10061-02-6	trans-1,3-Dichloropropene	0.029	U
10061-01-5	cis-1,3-Dichloropropene	0.029	U
1330-20-7	Xylene (Total)	0.029	U
67-64-1	Acetone	0.039	DB
78-93-3	2-Butanone	0.029	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.
VWMP3SO02DL

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1813201032

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.029	U
108-10-1	4-Methyl-2-Pentanone	0.029	U
591-78-6	2-Hexanone	0.029	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP4SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154136

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1820901009

Level: (low/med) LOW Date Collected: 06/17/97

% Moisture: not dec. 17 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0060	U
75-01-4	Vinyl Chloride	0.0060	U
74-83-9	Bromomethane	0.0060	U
75-00-3	Chloroethane	0.0060	U
75-35-4	1,1-Dichloroethene	0.0060	U
75-09-2	Methylene Chloride	0.0060	U
156-60-5	trans-1,2-Dichloroethene	0.0060	U
75-34-3	1,1-Dichloroethane	0.0060	U
156-59-2	cis-1,2-Dichloroethene	0.0060	U
67-66-3	Chloroform	0.0060	U
71-55-6	1,1,1-Trichloroethane	0.0060	U
56-23-5	Carbon Tetrachloride	0.0060	U
71-43-2	Benzene	0.0060	U
107-06-2	1,2-Dichloroethane	0.0060	U
79-01-6	Trichloroethene	0.0060	U
78-87-5	1,2-Dichloropropane	0.0060	U
75-27-4	Bromodichloromethane	0.0060	U
108-88-3	Toluene	0.0060	U
79-00-5	1,1,2-Trichloroethane	0.0060	U
127-18-4	Tetrachloroethene	0.0060	U
124-48-1	Dibromochloromethane	0.0060	U
108-90-7	Chlorobenzene	0.0060	U
100-41-4	Ethylbenzene	0.0024	J
7816-60-0	M&P-Xylene	0.0066	B
95-47-6	O-Xylene	0.0020	J
100-42-5	Styrene	0.0060	U
75-25-2	Bromoform	0.0060	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0060	U
10061-02-6	trans-1,3-Dichloropropene	0.0060	U
10061-01-5	cis-1,3-Dichloropropene	0.0060	U
1330-20-7	Xylene (Total)	0.0087	B
67-64-1	Acetone	0.0086	B
78-93-3	2-Butanone	0.011	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP4SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154136

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1820901009

Level: (low/med) LOW Date Collected: 06/17/97

% Moisture: not dec. 17 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0060	U
108-10-1	4-Methyl-2-Pentanone	0.0090	
591-78-6	2-Hexanone	0.0060	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP4SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154151

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1820801008

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0058	U
75-01-4	Vinyl Chloride	0.0058	U
74-83-9	Bromomethane	0.0058	U
75-00-3	Chloroethane	0.0058	U
75-35-4	1,1-Dichloroethene	0.0058	U
75-09-2	Methylene Chloride	0.0022	J
156-60-5	trans-1,2-Dichloroethene	0.0058	U
75-34-3	1,1-Dichloroethane	0.0058	U
156-59-2	cis-1,2-Dichloroethene	0.0058	U
67-66-3	Chloroform	0.0058	U
71-55-6	1,1,1-Trichloroethane	0.0058	U
56-23-5	Carbon Tetrachloride	0.0058	U
71-43-2	Benzene	0.0058	U
107-06-2	1,2-Dichloroethane	0.0058	U
79-01-6	Trichloroethene	0.0058	U
78-87-5	1,2-Dichloropropane	0.0058	U
75-27-4	Bromodichloromethane	0.0058	U
108-88-3	Toluene	0.0058	U
79-00-5	1,1,2-Trichloroethane	0.0058	U
127-18-4	Tetrachloroethene	0.0058	U
124-48-1	Dibromochloromethane	0.0058	U
108-90-7	Chlorobenzene	0.0058	U
100-41-4	Ethylbenzene	0.0058	U
7816-60-0	M&P-Xylene	0.0060	B
95-47-6	O-Xylene	0.0058	U
100-42-5	Styrene	0.0058	U
75-25-2	Bromoform	0.0058	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0058	U
10061-02-6	trans-1,3-Dichloropropene	0.0058	U
10061-01-5	cis-1,3-Dichloropropene	0.0058	U
1330-20-7	Xylene (Total)	0.0061	B
67-64-1	Acetone	0.0058	U
78-93-3	2-Butanone	0.0058	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP4SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154151

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1820801008

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0058	U
108-10-1	4-Methyl-2-Pentanone	0.0058	U
591-78-6	2-Hexanone	0.0058	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP4SO51

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154144

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1820701007

Level: (low/med) LOW Date Collected: 06/17/97

% Moisture: not dec. 15 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.0059	U
75-01-4	Vinyl Chloride	0.0059	U
74-83-9	Bromomethane	0.0059	U
75-00-3	Chloroethane	0.0059	U
75-35-4	1,1-Dichloroethene	0.0059	U
75-09-2	Methylene Chloride	0.0059	U
156-60-5	trans-1,2-Dichloroethene	0.0059	U
75-34-3	1,1-Dichloroethane	0.0059	U
156-59-2	cis-1,2-Dichloroethene	0.0059	U
67-66-3	Chloroform	0.0059	U
71-55-6	1,1,1-Trichloroethane	0.0059	U
56-23-5	Carbon Tetrachloride	0.0059	U
71-43-2	Benzene	0.0027	JB
107-06-2	1,2-Dichloroethane	0.0059	U
79-01-6	Trichloroethene	0.0059	U
78-87-5	1,2-Dichloropropane	0.0059	U
75-27-4	Bromodichloromethane	0.0059	U
108-88-3	Toluene	0.0059	U
79-00-5	1,1,2-Trichloroethane	0.0059	U
127-18-4	Tetrachloroethene	0.0059	U
124-48-1	Dibromochloromethane	0.0059	U
108-90-7	Chlorobenzene	0.0059	U
100-41-4	Ethylbenzene	0.0018	J
7816-60-0	M&P-Xylene	0.0067	B
95-47-6	O-Xylene	0.0059	U
100-42-5	Styrene	0.0059	U
75-25-2	Bromoform	0.0059	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0059	U
10061-02-6	trans-1,3-Dichloropropene	0.0059	U
10061-01-5	cis-1,3-Dichloropropene	0.0059	U
1330-20-7	Xylene (Total)	0.0068	B
67-64-1	Acetone	0.0081	B
78-93-3	2-Butanone	0.0044	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP4SO51

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154144

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1820701007

Level: (low/med) LOW Date Collected: 06/17/97

% Moisture: not dec. 15 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.0059	U
108-10-1	4-Methyl-2-Pentanone	0.0020	J
591-78-6	2-Hexanone	0.0059	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02MS

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102MS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821401014

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.021	
75-01-4	Vinyl Chloride	0.024	
74-83-9	Bromomethane	0.017	
75-00-3	Chloroethane	0.026	
75-35-4	1,1-Dichloroethene	0.021	
75-09-2	Methylene Chloride	0.026	
156-60-5	trans-1,2-Dichloroethene	0.022	
75-34-3	1,1-Dichloroethane	0.024	
156-59-2	cis-1,2-Dichloroethene	0.022	
67-66-3	Chloroform	0.023	
71-55-6	1,1,1-Trichloroethane	0.020	
56-23-5	Carbon Tetrachloride	0.018	
71-43-2	Benzene	0.021	
107-06-2	1,2-Dichloroethane	0.023	B
79-01-6	Trichloroethene	0.016	
78-87-5	1,2-Dichloropropane	0.031	
75-27-4	Bromodichloromethane	0.030	
108-88-3	Toluene	0.024	
79-00-5	1,1,2-Trichloroethane	0.031	
127-18-4	Tetrachloroethene	0.025	
124-48-1	Dibromochloromethane	0.032	
108-90-7	Chlorobenzene	0.022	
100-41-4	Ethylbenzene	0.022	
7816-60-0	M&P-Xylene	0.045	B
95-47-6	O-Xylene	0.022	
100-42-5	Styrene	0.020	
75-25-2	Bromoform	0.025	
79-34-5	1,1,2,2-Tetrachloroethane	0.030	
10061-02-6	trans-1,3-Dichloropropene	0.030	
10061-01-5	cis-1,3-Dichloropropene	0.029	
1330-20-7	Xylene (Total)	0.067	B
67-64-1	Acetone	0.016	B
78-93-3	2-Butanone	0.032	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02MS

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102MS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821401014

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.020	
108-10-1	4-Methyl-2-Pentanone	0.039	
591-78-6	2-Hexanone	0.021	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02MSD

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102MSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821501015

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
74-87-3	Chloromethane	0.025	
75-01-4	Vinyl Chloride	0.023	
74-83-9	Bromomethane	0.017	
75-00-3	Chloroethane	0.025	
75-35-4	1,1-Dichloroethene	0.020	
75-09-2	Methylene Chloride	0.025	
156-60-5	trans-1,2-Dichloroethene	0.021	
75-34-3	1,1-Dichloroethane	0.023	
156-59-2	cis-1,2-Dichloroethene	0.022	
67-66-3	Chloroform	0.022	
71-55-6	1,1,1-Trichloroethane	0.018	
56-23-5	Carbon Tetrachloride	0.016	
71-43-2	Benzene	0.021	
107-06-2	1,2-Dichloroethane	0.019	B
79-01-6	Trichloroethene	0.016	
78-87-5	1,2-Dichloropropane	0.029	
75-27-4	Bromodichloromethane	0.029	
108-88-3	Toluene	0.023	
79-00-5	1,1,2-Trichloroethane	0.030	
127-18-4	Tetrachloroethene	0.024	
124-48-1	Dibromochloromethane	0.032	
108-90-7	Chlorobenzene	0.021	
100-41-4	Ethylbenzene	0.020	
7816-60-0	M&P-Xylene	0.040	B
95-47-6	O-Xylene	0.020	
100-42-5	Styrene	0.020	
75-25-2	Bromoform	0.023	
79-34-5	1,1,2,2-Tetrachloroethane	0.031	
10061-02-6	trans-1,3-Dichloropropene	0.029	
10061-01-5	cis-1,3-Dichloropropene	0.028	
1330-20-7	Xylene (Total)	0.060	B
67-64-1	Acetone	0.016	B
78-93-3	2-Butanone	0.029	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

IT CORP SAMPLE NO.

VWMP3SO02MSD

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (soil/water) SOIL Lab Sample ID: 10154102MSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1821501015

Level: (low/med) LOW Date Collected: 06/16/97

% Moisture: not dec. 13 Date Analyzed: 07/01/97

GC Column: DB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
75-15-0	Carbon Disulfide	0.020	
108-10-1	4-Methyl-2-Pentanone	0.032	
591-78-6	2-Hexanone	0.018	

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VW1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL

Lab Sample ID: 10154037

Sample wt/vol: 10.0 (G/ML) G

Lab File ID: FIDR0028

% Moisture: 13 decanted: (Y/N) N

Date Collected: 06/16/97

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/26/97

Date Extracted: 07/26/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	300	E

FORM I

200061

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154045

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0029

% Moisture: 17 decanted: (Y/N) N Date Collected: 06/16/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL

Date Analyzed: 07/26/97 Date Extracted: 07/26/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	3.0	U

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154052

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0026

% Moisture: 17 decanted: (Y/N) N Date Collected: 06/16/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/26/97 Date Extracted: 07/26/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	3.0	U

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO52

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154060

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0027

% Moisture: 10 decanted: (Y/N) N Date Collected: 06/16/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/26/97 Date Extracted: 07/26/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	2.8	U

FORM I

200054

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154078

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0024

% Moisture: 15 decanted: (Y/N) N Date Collected: 06/16/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/25/97 Date Extracted: 07/25/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	2.9	U

FORM I

200033

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154086

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0023

% Moisture: 16 decanted: (Y/N) N Date Collected: 06/16/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/25/97 Date Extracted: 07/25/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	3.0	U

FORM I

200026

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL

Lab Sample ID: 10154094

Sample wt/vol: 10.0 (G/ML) G

Lab File ID: FIDR0021

% Moisture: 15 decanted: (Y/N) N

Date Collected: 06/16/97

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/25/97

Date Extracted: 07/25/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	2.9	U

FORM I

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154102

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0022

% Moisture: 13 decanted: (Y/N) N Date Collected: 06/16/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/25/97 Date Extracted: 07/25/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	2.9	U

FORM I

200019

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154136

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0018

% Moisture: 17 decanted: (Y/N) N Date Collected: 06/17/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/25/97 Date Extracted: 07/25/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	3.0	U

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154151

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0025

% Moisture: 13 decanted: (Y/N) N Date Collected: 06/17/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/25/97 Date Extracted: 07/25/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	2.9	U

FORM I

200040

FORM 1
GASOLINE RANGE ORGANICS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO51

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154144

Sample wt/vol: 10.0 (G/ML) G Lab File ID: FIDR0030

% Moisture: 15 decanted: (Y/N) N Date Collected: 06/17/97

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: _____(uL)

Date Analyzed: 07/26/97 Date Extracted: 07/26/97

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
	----------Gasoline Range Components	3.0	U

FORM I

200076

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VW1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154037

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0023

% Moisture: 13 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted: 06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	270	

FORM I

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154045

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0022

% Moisture: 17 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted:06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	6.0	U

FORM I

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154052

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0011

% Moisture: 17 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted: 06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	6.0	U

FORM I

FORM 1
TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP1SO52

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154060

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0021

% Moisture: 10 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted:06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.6	U

FORM I

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154078

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0020

% Moisture: 15 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted:06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.9	U

FORM I

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP2SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154086

Sample wt/vol: 30.3 (g/ML) G Lab File ID: 175F0012

% Moisture: 16 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted:06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.9	U

FORM I

500018

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154094

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0013

% Moisture: 15 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted: 06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.9	U

FORM I

5000.1

FORM 1
TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP3SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154102

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0014

% Moisture: 13 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted:06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.7	U

FORM I

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO01

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154136

Sample wt/vol: 30.3 (g/ML) G Lab File ID: 175F0015

% Moisture: 17 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted: 06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	6.0	U

FORM I

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO02

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154151

Sample wt/vol: 30.1 (g/ML) G Lab File ID: 175F0017

% Moisture: 13 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted: 06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.7	U

FORM I

500050

FORM 1

TOTAL PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VWMP4SO51

Lab Name: PACE ANALYTICAL SERVICES Contract:

Lab Code: PACE Case No.: SAS No.: SDG No.: 54037

Matrix: (SOIL/WATER) SOIL Lab Sample ID: 10154144

Sample wt/vol: 30.0 (g/ML) G Lab File ID: 175F0016

% Moisture: 15 decanted: (Y/N) N Date Received: 06/18/97

Concentrated Extract Volume: 5.0 (mL) Date Extracted: 06/20/97

Dilution Factor: 1.0 Date Analyzed: 06/26/97

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
PAC-M07	DIESEL RANGE ORGANIC	5.9	U

FORM I

INTERNATIONAL TECHNOLOGY CORPORATION

665

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 516006
Page 1 of 5

Project Name/No.[1] RANGS/702970 1602000 | Samples Shipment Date[7] ~~6-16~~ RCM 6/17/97 | Bill to:[5] IT CORP ACCOUNTS PAYABLE 312 DIRECTORS DRIVE KNOXVILLE TN, 37923

Sample Team Members[2] P. McCATTEN | Lab Destination[8] FACE ANALYTICAL

Profit Center No.[3] 3272210 | Lab Contact[9] BILL SCEUTON

Project Manager[4] S. SAFES | Project Contact/Phone[12] S. SAFES/(513) 782-4700 | Report to:[10] IT CORP ATTN: KARL VAN KEUREN 11499 CHESTER ROAD CINCINNATI OH, 45246

Purchase Order No.[6] | Carrier/Waybill No.[13] FEDEX: 078294758 3

Required Report Date[11] PER TO

ONE CONTAINER PER LINE

	Sample Number[14]	Sample Description/Type[15]	Date/Time Collected[16]	Container Type[17]	Sample Volume[18]	Preservative[19]	Requested Testing Program[20]	Condition on Receipt[21]	Disposal Record No.[22]
N	TB160697 01	TRIP BLANK	06-16-97 0700	40ml	X3	4°C HCl	VOCs - 8260	153906	
O	VW1S0 01	SOIL/ENV	06-16-97 1250	125mL	X 2	4°C	VOCs - 8260	153906	
	↓	↓	↓	250mL	X1	4°C	AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓	↓	↓	250mL	x1	4°C	TPH-GRO DRO/8270	↓	
O	VWMP1S0 01		06-16-97 1420	125mL	X2	↓	VOCs - 8260	154046	
	↓	↓	↓	250 mL	x1	↓	AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓	↓	↓	250mL	x1	↓	TPH-GRO DRO/8270	↓	
	VWMP1S0 02	↓	06-16-97 1430	125ml	X2	↓	VOCs - 8260	154052	

Special Instructions:[23] FOR RINSATE SAMPLES RUN TPH DRO & GRO - ALL AMMONIA ANALYSIS (SOIL & WATER) IS FOR AMMONIACAL NITROGEN

Possible Hazard Identification:[24] Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal:[25] Return to Client ☐ Disposal by Lab ☐ Archive (mos.)

Turnaround Time Required:[26] Normal ☐ Rush ☐

QC Level:[27] I. ☐ II. ☐ III. ☐ Project Specific (specify):

1. Relinquished by[28] (Signature/Affiliation)	Date: 06-17-97 Time: 1930	1. Received by[28] (Signature/Affiliation)	Date: 6-18-97 Time: 1735
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments:[29] Cooler A 3.9 Cooler B 3.7°C rec'd on ice with evidence tape

MCA 7/15/91

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

IT INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No. 5160006

Project Name RANGB

Project No. 762970/6020002

Samples Shipment Date 6-17-97

ONE CONTAINER PER LINE

	Sample 14 Number	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Disposal 22 Record No.
1	VWMP150Ø2	SOIL/ENV	06-16-97 1430	250mL	X1	4°C	AMMONIA, OPHOSPHATE %MOIST, PH, TAL METALS	154052	
	↓	↓	↓	↓	↓	↓	GRO TPH-DRO/8270	FOR LAB USE ONLY	
10	VWMP1505Z		06-16-97 1431	125mL	X2		VOCs-8260	154	
	↓		↓	250mL	X1		AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓		↓	↓	↓		GRO TPH-DRO/8270		
11	VWMP250Ø1		06-16-97 1600	125mL	X2		VOCs-8260	154078	
	↓		↓	250mL	X1		AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓		↓	↓	↓		GRO TPH-DRO/8270		
12	VWMP250Ø2		06-16-97 1605	125mL	X2		VOCs-8260	154086	
	↓		↓	250mL	X1		AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓		↓	↓	↓		GRO TPH-DRO/8270		
13	VWMP350Ø1		06-16-97 1715	125mL	X2		VOCs-8260	154094	
	↓		↓	250mL	X1		AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓		↓	↓	↓		GRO TPH-DRO/8270		
14	VWMP350Ø2		06-16-97 1720	125mL	X2		VOCs-8260	154102	
	↓		↓	250mL	X1		AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓	↓	↓	↓	↓	↓	GRO TPH-DRO/8270		
15	RB160697Ø1	RINSATE	06-16-97 1800	40mL	X3	HCl 4°C	VOCs-8260	154	
	↓	↓	↓	1LAG	X1	4°C	8270/PH	↓	
	↓	↓	↓	1LAG	X1	4°C	GRO TPH-DRO		

White: To accompany samples Yellow: Field copy

*See back of form for special instructions.

IT INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No. 516006

Page 3 of 3

Project Name RAN 4B

Project No. 762970 / 6020000

Samples Shipment Date 6-17-97

ONE CONTAINER PER LINE

	Sample 14 Number	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre- 19 servative	Requested Testing 20 Program	Condition on 21 Receipt	Disposal 22 Record No.
	RB16Ø697Ø1	RINSATE	06-16-97 1800	1L	X 1	4°C H_2SO_4	AMMONIA/O-PHOSPHATE	154110	
	↓	↓	↓	↓	↓	4°C HNO_3	TAL METALS	FOR LAB USE ONLY	
b	VWMP45Ø61	SOIL/ENV	06-17-97 08:40	125mL	X 2	4°C	VOCs - 8260	154136	
	↓	↓	↓	250 mL	X 1	↓	AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓	↓	↓	↓	↓	↓	TPH - GRO DRO / 8270		
g	VWMP45Ø51	↓	06-17-97 08:41	125mL	X 2	↓	VOCs - 8260	154144	
	↓	↓	↓	250 mL	X 1	↓	AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓	↓	↓	↓	↓	↓	TPH - GRO DRO / 8270		
d	VWMP45Ø62	↓	06-17-97 08:50	125mL	X 2	↓	VOCs - 8260	154151	
	↓	↓	↓	250mL	X 1	↓	AMMONIA, O-PHOSPHATE %MOIST, PH, TAL METALS	FOR LAB USE ONLY	
	↓	↓	↓	↓	↓	↓	TPH - GRO DRO / 8270		
c	RB17Ø697Ø1	RINSATE	06-17-97 1700	40mL	X 3	4°C HCl	VOCs - 8260	154168	
	↓	↓	↓	1L AG	X 1	4°C	8270 / pH	FOR LAB USE ONLY	
	↓	↓	↓	1L AG	↓	↓	TPH - GRO DRO		
	↓	↓	↓	1L	↓	4°C H_2SO_4	AMMONIA / O-PHOSPHATE		
	↓	↓	↓	1L	↓	4°C HNO_3	TAL METALS		
		LAST ITEM						FOR LAB USE ONLY	

White: To accompany samples · Yellow: Field copy

*See back of form for special instructions.

MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

STATEMENT OF ANALYSIS

Client: IT Corporation
Address: 11499 Chester Road
Cincinnati, Ohio 45246

Date: June 30, 1997

Attn: Karl Van Keuren

Job Number: 762970

This is the Statement of Analysis for the following samples:

Client Project ID:	RANGB
Date Received by Lab:	June 18, 1997
Number of Samples:	Fifteen (15)
Sample Type:	Soil Samples

I. Introduction

On June 18, 1997 fifteen (15) soil samples arrived at the IT Corporation's (IT) Biotechnology Applications Center (BAC) in Knoxville, TN from RANGB via the IT Cincinnati office. The list of analytical tests performed, as well as the date of receipt and analysis, can be found in the attached report.

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and analytical results.

The samples were analyzed for microbial enumerations based on Standard Operating Procedures: modified SM9215C.

Reviewed and Approved

Julia L. Klens
Biotechnology Laboratory Manager

Client: RANGB

Date: June 30, 1997

Client ID: RANGB

III. Quality Control (QC)

Routine laboratory QC was followed.

The samples were preserved at a temperature of 4° C.

Table 1
RANGB
Enumeration of the Microbial Population Density of Site Samples
IT Project Number: 762970

Sample No.	Matrix	Total Heterotrophs (CFU/g[a])	Hydrocarbon Degraders (CFU/g[a])
SW1SO01	Soil	<1.00E+02	<1.00E+02
SWMP1SO01	Soil	<1.00E+02	<1.00E+02
SWMP2SO01	Soil	<1.00E+02	<1.00E+02
SWMP3SO01	Soil	5.03E+03	8.40E+02
VW1SO01	Soil	4.15E+04	6.39E+03
VWMP1SO01	Soil	1.89E+04	9.89E+03
VWMP1SO02	Soil	1.27E+04	8.20E+03
VWMP1SO52	Soil	2.19E+04	3.80E+04
VWMP2SO01	Soil	4.08E+04	9.55E+03
VWMP2SO02	Soil	4.24E+05	4.56E+04
VWMP3SO01	Soil	4.63E+05	5.54E+04
VWMP3SO02	Soil	5.69E+04	1.08E+04
VWMP4SO01	Soil	3.93E+05	5.45E+05
VWMP4SO51	Soil	8.81E+04	4.76E+04
VWMP4SO02	Soil	1.99E+03	2.32E+04

[a]CFU/g, colony forming unit per gram dry soil

APPENDIX C-3

AIR SPARGING SYSTEM SOIL ANALYTICAL RESULTS, JUNE 1997

Pace Analytical

July 03, 1997

Mr. Karl Van Kueren
IT Corporation
11499 Chester Road
Cincinnati, OH 45246

RE: Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Dear Mr. Van Kueren:

Enclosed are the results of analyses for sample(s) received on June 14, 1997. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

William Scruton
Project Manager

Enclosures

INTERNATIONAL TECHNOLOGY CORPORATION

LBN # 101746 CA

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 116004
Page 1 of 2

Project Name/No. [1] RANGB / 76.2470.1602.0000
Sample Team Members [2] P. McCarren
Profit Center No. [3] 3272210
Project Manager [4] S. Sayles
Purchase Order No. [6]
Required Report Date [11] TSR TO

Samples Shipment Date [7]
Lab Destination [8] PACE ANALYTICAL
Lab Contact [9] Bill Solomon
Project Contact/Phone [12] K. VanKeuren (513) 782-4700
Carrier/Waybill No. [13] FEDEX: 078254754 4

Bill to: [5] IT Corp
Accounts Payable
312 Directors Drive
Knoxville TN 37923

Report to: [10] IT Corp
ATTN: Karl VanKeuren
11499 Chester Road
Cincinnati Ohio 45246

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
TB120697Ø1	TRIP BLANK	06-12-97 1430	40ML	X3	4°C HCl	VOC - 8260	148450	147450 CA
SWISOØ1	SOIL/ENV	06-12-97 1515	125ML	X2	4°C	VOC - 8260	148547	
↓	↓	↓	250ML	X1	4°C	TOTAL IRON, AMMONICAL-NITROGEN ORTHOPHOSPHATE, SOIL MOISTURE PH	↓	
RB120697Ø1	RINSATE	06-12-97 1800	40ML	X3	4°C HCl	VOC - 8260	148585	
			1L	X1	4°C HNO3	TOTAL IRON		
			1L	X1	4°C H2SO4	AMMONICAL NITROGEN		
↓	↓	↓	500ML	X1	4°C	PH, ORTHO-PHOSPHATE	↓	
SWMPISOØ1	SOIL/ENV	06-13-97 0930	125ML	X2	4°C	VOC - 8260	148591	

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☐

QC Level: [27]
I. ☐ II. ☐ III. ☐ Project Specific (specify): Per Rangb QAPP

0. Relinquished by [28] (Signature/Affiliation)	Date: 06-13-97 Time: 1800	1. Received by [28] (Signature/Affiliation) CHAD / PACE	Date: 6/14/97 Time: 0915
1. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
2. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]
101746 665

White: To accompany samples Yellow: Field copy *See back of form for special instructions.

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] [redacted]004

Page 2 of 2

Project Name RANGE

Project No. 762970 1602.0000

Samples Shipment Date 6-13-97

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
SWMP1500Φ1	SOIL/ENV	06-13-97 0930	250mL	X1	4°C	TOTAL Fe, AMMONICAL NITROGEN, PHOSPHATE, SOIL MOISTURE, PH	148591	
SWMP2500Φ1	↓	06-13-97 1115	125mL	X2	4°C	VOC-8260	148609	
SWMP2500Φ1		↓	250mL	X1	4°C	TOTAL Fe, AMMONICAL NITROGEN, PHOSPHATE, SOIL MOISTURE, PH	↓	
SWMP3500Φ1		06-13-97 1445	125mL	X2	4°C	VOC-8260	148617	
SWMP3500Φ1	↓	↓	250mL	X1	4°C	TOTAL Fe, AMMONICAL NITROGEN, PHOSPHATE, SOIL MOISTURE, PH	↓	
RB13Φ697761	RINSATE	06-13-97 1800	40mL	X3	4°C HCl	VOC-8260	148625	
↓	↓	↓	1L	X1	4°C HNO3	TOTAL IRON	↓	
			1L	X1	4°C H2SO4	AMMONICAL NITROGEN		
			500mL	X1	4°C	PH, ORTHO-PHOSPHATE		
	CAST ITEM							

White: To accompany samples Yellow: Field copy

*See back of form for special instructions.

MCA 3.15.01

Ex USA Airbill

8735177872

Recipient's Copy

9/97

eg Plamondon

Phone (513) 782-4700

T Corp.

99 Chester Rd

cinnati

State OH Zip 45246

Billing Reference Information 762970.16.01.00.00

Scrunton

Phone (612) 617-6400

e Analytical

00 Elm St.

inneapolis

State MN Zip 55414

t FedEx Location check here

elday | Hold Saturday

For Saturday Delivery check here

4 Service

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FedEx First Overnight | |

FedEx Overnight Freight | FedEx 2Day Freight

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5 Packaging

FedEx Letter | FedEx Pak | FedEx Box | FedEx Tube | X Other Packaging

6 Special Handling

Does this shipment contain dangerous goods? | No | Yes

Dry Ice | 9 | Cargo Aircraft Only

7 Payment

Bill to X Sender | Recipient | Third Party | Credit Card | Cash/Check

Obtain Recipient FedEx Account No.

Total Packages: 1 | Total Weight: 1.7 | Total Declared Value: 00 | Total Charges: $

SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY

Credit Card Auth

8 Release Signature

0200

0 7 3 5 1 7 7 8 7 2

Pace Analytical

DATE: 07/03/97
PAGE: 1

[illegible] Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

Solid results are reported on a dry weight basis

Pace Sample No: 10148450 Date Collected: 06/12/97 Matrix: Water
Client Sample ID: TRIP BLANK Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
GC/MS -- VOA							
GC/MS VOCs by 8260 MN	Method: EPA 8260				Prep Method: EPA 8260		
Dichlorodifluoromethane	ND	ug/L	5	06/25/97	SAC	75-71-8	
Chloromethane	ND	ug/L	5	06/25/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/L	5	06/25/97	SAC	75-01-4	
Bromomethane	ND	ug/L	5	06/25/97	SAC	74-83-9	
Chloroethane	ND	ug/L	5	06/25/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/L	5	06/25/97	SAC	75-69-4	
Methylene Chloride	ND	ug/L	5	06/25/97	SAC	75-09-2	
1,1-Dichloroethene	ND	ug/L	5	06/25/97	SAC	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5	06/25/97	SAC	156-60-5	
1,1-Dichloroethane	ND	ug/L	5	06/25/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/L	5	06/25/97	SAC	594-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5	06/25/97	SAC	156-59-2	
Chloroform	ND	ug/L	5	06/25/97	SAC	67-66-3	
Bromochloromethane	ND	ug/L	5	06/25/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/L	5	06/25/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/L	5	06/25/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/L	5	06/25/97	SAC	563-58-6	
Benzene	ND	ug/L	5	06/25/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/L	5	06/25/97	SAC	107-06-2	
Trichloroethene	ND	ug/L	5	06/25/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/L	5	06/25/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/L	5	06/25/97	SAC	75-27-4	
Dibromomethane	ND	ug/L	5	06/25/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/L	5	06/25/97	SAC	10061-02-6	
Toluene	ND	ug/L	5	06/25/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/L	5	06/25/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/L	5	06/25/97	SAC	79-00-5	
Tetrachloroethene	ND	ug/L	5	06/25/97	SAC	127-18-4	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148450 Date Collected: 06/12/97 Matrix: Water
Client Sample ID: TRIP BLANK Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
1,3-Dichloropropane	ND	ug/L	5	06/25/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/L	5	06/25/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/L	5	06/25/97	SAC	106-93-4	
Chlorobenzene	ND	ug/L	5	06/25/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/L	5	06/25/97	SAC	630-20-6	
Ethylbenzene	ND	ug/L	5	06/25/97	SAC	100-41-4	
Xylene (Total)	ND	ug/L	5	06/25/97	SAC	1330-20-7	
Styrene	ND	ug/L	5	06/25/97	SAC	100-42-5	
Bromoform	ND	ug/L	5	06/25/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/L	5	06/25/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/L	5	06/25/97	SAC	79-34-5	
Bromobenzene	ND	ug/L	5	06/25/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/L	5	06/25/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/L	5	06/25/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/L	5	06/25/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/L	5	06/25/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/L	5	06/25/97	SAC	106-43-4	
1,2,4-Trimethylbenzene	ND	ug/L	5	06/25/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/L	5	06/25/97	SAC	135-98-8	
tert-Butylbenzene	ND	ug/L	5	06/25/97	SAC	98-06-6	
p-Isopropyltoluene	ND	ug/L	5	06/25/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/L	5	06/25/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5	06/25/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/L	5	06/25/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/L	5	06/25/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/L	5	06/25/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/L	5	06/25/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/L	5	06/25/97	SAC	87-68-3	
Naphthalene	ND	ug/L	5	06/25/97	SAC	91-20-3	
1,2,3-Trichlorobenzene	ND	ug/L	5	06/25/97	SAC	87-61-6	
Dibromofluoromethane (S)	120	%		06/25/97	SAC	1868-53-7	
Toluene-d8 (S)	100	%		06/25/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	112	%		06/25/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	152	%		06/25/97	SAC	17060-07-0	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148542 Date Collected: 06/12/97 Matrix: Soil
Client Sample ID: SW1S001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3050		
Iron	8800	mg/kg	2.92	06/23/97	TEM	7439-89-6	
Date Digested				06/23/97			
Wet Chemistry							
pH, Solid	Method: EPA 9045				Prep Method: EPA 9045		
pH	7.8		0.1	06/19/97	CRS		
Ammonia, Soil, Distilled	Method: EPA 350.2				Prep Method: EPA 350.2		
Nitrogen, Ammonia	16.1	mg/kg	11.5	06/26/97	CRS	7727-37-9	
Phosphorus, Total, Soil	Method: EPA 365.2 Modified				Prep Method: EPA 365.2 Modified		
Phosphorus	118	mg/kg	5.29	06/25/97	HMJ	7723-14-0	
Organics, Prep							
Percent Moisture	Method:				Prep Method:		
Percent Moisture	14.4	%		06/19/97	DWM		
GC/MS -- VOA							
GC/MS VOCs by 8260	Method: EPA 8260				Prep Method: 5030 Med Lvl Soil		
Dichlorodifluoromethane	ND	ug/kg	720	06/24/97	SAC	75-71-8	
Chloromethane	ND	ug/kg	720	06/24/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/kg	720	06/24/97	SAC	75-01-4	
Bromomethane	ND	ug/kg	720	06/24/97	SAC	74-83-9	
Chloroethane	ND	ug/kg	720	06/24/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/kg	720	06/24/97	SAC	75-69-4	
Methylene Chloride	860	ug/kg	720	06/24/97	SAC	75-09-2	
1,1-Dichloroethene	ND	ug/kg	720	06/24/97	SAC	75-35-4	
trans-1,2-Dichloroethene	310	ug/kg	720	06/24/97	SAC	156-60-5	1
1,1-Dichloroethane	ND	ug/kg	720	06/24/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/kg	720	06/24/97	SAC	594-20-7	
cis-1,2-Dichloroethene	4200	ug/kg	720	06/24/97	SAC	156-59-2	
Chloroform	ND	ug/kg	720	06/24/97	SAC	67-66-3	
Bromochloromethane	ND	ug/kg	720	06/24/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/kg	720	06/24/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/kg	720	06/24/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/kg	720	06/24/97	SAC	563-58-6	
Benzene	ND	ug/kg	720	06/24/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/kg	720	06/24/97	SAC	107-06-2	
Trichloroethene	ND	ug/kg	720	06/24/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/kg	720	06/24/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/kg	720	06/24/97	SAC	75-27-4	
Dibromomethane	ND	ug/kg	720	06/24/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/kg	720	06/24/97	SAC	10061-02-6	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148542 Date Collected: 06/12/97 Matrix: Soil
Client Sample ID: SW1S001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Toluene	ND	ug/kg	720	06/24/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/kg	720	06/24/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/kg	720	06/24/97	SAC	79-00-5	
Tetrachloroethene	ND	ug/kg	720	06/24/97	SAC	127-18-4	
1,3-Dichloropropane	ND	ug/kg	720	06/24/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/kg	720	06/24/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/kg	720	06/24/97	SAC	106-93-4	
Chlorobenzene	ND	ug/kg	720	06/24/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/kg	720	06/24/97	SAC	630-20-6	
Ethylbenzene	ND	ug/kg	720	06/24/97	SAC	100-41-4	
Xylene (Total)	ND	ug/kg	720	06/24/97	SAC	1330-20-7	
Styrene	ND	ug/kg	720	06/24/97	SAC	100-42-5	
Bromoform	ND	ug/kg	720	06/24/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/kg	720	06/24/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/kg	720	06/24/97	SAC	79-34-5	
Bromobenzene	ND	ug/kg	720	06/24/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/kg	720	06/24/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/kg	720	06/24/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/kg	720	06/24/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/kg	720	06/24/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/kg	720	06/24/97	SAC	106-43-4	
tert-Butylbenzene	ND	ug/kg	720	06/24/97	SAC	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/kg	720	06/24/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/kg	720	06/24/97	SAC	135-98-8	
p-Isopropyltoluene	ND	ug/kg	720	06/24/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/kg	720	06/24/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	720	06/24/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/kg	720	06/24/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/kg	720	06/24/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	720	06/24/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/kg	720	06/24/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/kg	720	06/24/97	SAC	87-68-3	
Naphthalene	ND	ug/kg	720	06/24/97	SAC	91-20-3	
1,2,3-Trichlorobenzene	ND	ug/kg	720	06/24/97	SAC	87-61-6	
Toluene-d8 (S)	124	%		06/24/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	116	%		06/24/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	150	%		06/24/97	SAC	17060-07-0	
Date Prepared				06/23/97			

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148583 Date Collected: 06/12/97 Matrix: Water
Client Sample ID: RB12069701 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3010		
Iron	ND	ug/L	25	06/23/97	TEM	7439-89-6	
Date Digested				06/23/97			
Wet Chemistry							
pH, Water	Method: EPA 150.1				Prep Method: EPA 150.1		
pH	6.6		0.1	06/26/97	BJR2		
Ammonia, Water, Distilled	Method: EPA 350.2				Prep Method: EPA 350.2		
Nitrogen, Ammonia	ND	mg/L	0.1	06/26/97	CRS	7727-37-9	
Phosphorus, Total	Method: EPA 365.2				Prep Method: EPA 365.2		
Phosphorus	ND	mg/L	0.05	06/24/97	HMJ	7723-14-0	
GC/MS -- VOA							
GC/MS VOCs by 8260 MN	Method: EPA 8260				Prep Method: EPA 8260		
Dichlorodifluoromethane	ND	ug/L	5	06/25/97	SAC	75-71-8	
Chloromethane	ND	ug/L	5	06/25/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/L	5	06/25/97	SAC	75-01-4	
Bromomethane	ND	ug/L	5	06/25/97	SAC	74-83-9	
Chloroethane	ND	ug/L	5	06/25/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/L	5	06/25/97	SAC	75-69-4	
Methylene Chloride	ND	ug/L	5	06/25/97	SAC	75-09-2	
[illegible]-Dichloroethene	ND	ug/L	5	06/25/97	SAC	75-35-4	
[illegible]ans-1,2-Dichloroethene	ND	ug/L	5	06/25/97	SAC	156-60-5	
1,1-Dichloroethane	ND	ug/L	5	06/25/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/L	5	06/25/97	SAC	594-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5	06/25/97	SAC	156-59-2	
Chloroform	ND	ug/L	5	06/25/97	SAC	67-66-3	
Bromochloromethane	ND	ug/L	5	06/25/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/L	5	06/25/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/L	5	06/25/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/L	5	06/25/97	SAC	563-58-6	
Benzene	ND	ug/L	5	06/25/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/L	5	06/25/97	SAC	107-06-2	
Trichloroethene	ND	ug/L	5	06/25/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/L	5	06/25/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/L	5	06/25/97	SAC	75-27-4	
Dibromomethane	ND	ug/L	5	06/25/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/L	5	06/25/97	SAC	10061-02-6	
Toluene	ND	ug/L	5	06/25/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/L	5	06/25/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/L	5	06/25/97	SAC	79-00-5	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148583 Date Collected: 06/12/97 Matrix: Water
Client Sample ID: RB12069701 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Tetrachloroethene	ND	ug/L	5	06/25/97	SAC	127-18-4	
1,3-Dichloropropane	ND	ug/L	5	06/25/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/L	5	06/25/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/L	5	06/25/97	SAC	106-93-4	
Chlorobenzene	ND	ug/L	5	06/25/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/L	5	06/25/97	SAC	630-20-6	
Ethylbenzene	ND	ug/L	5	06/25/97	SAC	100-41-4	
Xylene (Total)	ND	ug/L	5	06/25/97	SAC	1330-20-7	
Styrene	ND	ug/L	5	06/25/97	SAC	100-42-5	
Bromoform	ND	ug/L	5	06/25/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/L	5	06/25/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/L	5	06/25/97	SAC	79-34-5	
Bromobenzene	ND	ug/L	5	06/25/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/L	5	06/25/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/L	5	06/25/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/L	5	06/25/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/L	5	06/25/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/L	5	06/25/97	SAC	106-43-4	
1,2,4-Trimethylbenzene	ND	ug/L	5	06/25/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/L	5	06/25/97	SAC	135-98-8	
tert-Butylbenzene	ND	ug/L	5	06/25/97	SAC	98-06-6	
p-Isopropyltoluene	ND	ug/L	5	06/25/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/L	5	06/25/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5	06/25/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/L	5	06/25/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/L	5	06/25/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/L	5	06/25/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/L	5	06/25/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/L	5	06/25/97	SAC	87-68-3	
Naphthalene	ND	ug/L	5	06/25/97	SAC	91-20-3	
1,2,3-Trichlorobenzene	ND	ug/L	5	06/25/97	SAC	87-61-6	
Dibromofluoromethane (S)	122	%		06/25/97	SAC	1868-53-7	
Toluene-d8 (S)	100	%		06/25/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	118	%		06/25/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	160	%		06/25/97	SAC	17060-07-0	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148591 Date Collected: 06/13/97 Matrix: Soil
Client Sample ID: SWMP1S001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3050		
Iron	8320	mg/kg	2.86	06/23/97	TEM	7439-89-6	
Date Digested				06/23/97			
Wet Chemistry							
pH, Solid	Method: EPA 9045				Prep Method: EPA 9045		
pH	8.2		0.1	06/19/97	CRS		
Ammonia, Soil, Distilled	Method: EPA 350.2				Prep Method: EPA 350.2		
Nitrogen, Ammonia	ND	mg/kg	11.9	06/26/97	CRS	7727-37-9	
Phosphorus, Total, Soil	Method: EPA 365.2 Modified				Prep Method: EPA 365.2 Modified		
Phosphorus	117	mg/kg	10.3	06/25/97	HMJ	7723-14-0	
Organics, Prep							
Percent Moisture	Method:				Prep Method:		
Percent Moisture	12.7	%		06/19/97	DWM		
GC/MS -- VOA							
GC/MS VOCs by 8260	Method: EPA 8260				Prep Method: 5030 Med Lvl Soil		
Dichlorodifluoromethane	ND	ug/kg	710	06/24/97	SAC	75-71-8	
Chloromethane	ND	ug/kg	710	06/24/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/kg	710	06/24/97	SAC	75-01-4	
Bromomethane	ND	ug/kg	710	06/24/97	SAC	74-83-9	
Chloroethane	ND	ug/kg	710	06/24/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/kg	710	06/24/97	SAC	75-69-4	
Methylene Chloride	820	ug/kg	710	06/24/97	SAC	75-09-2	
1,1-Dichloroethene	ND	ug/kg	710	06/24/97	SAC	75-35-4	
trans-1,2-Dichloroethene	420	ug/kg	710	06/24/97	SAC	156-60-5	1
1,1-Dichloroethane	ND	ug/kg	710	06/24/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/kg	710	06/24/97	SAC	594-20-7	
cis-1,2-Dichloroethene	7300	ug/kg	710	06/24/97	SAC	156-59-2	
Chloroform	ND	ug/kg	710	06/24/97	SAC	67-66-3	
Bromochloromethane	ND	ug/kg	710	06/24/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/kg	710	06/24/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/kg	710	06/24/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/kg	710	06/24/97	SAC	563-58-6	
Benzene	ND	ug/kg	710	06/24/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/kg	710	06/24/97	SAC	107-06-2	
Trichloroethene	ND	ug/kg	710	06/24/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/kg	710	06/24/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/kg	710	06/24/97	SAC	75-27-4	
Dibromomethane	ND	ug/kg	710	06/24/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/kg	710	06/24/97	SAC	10061-02-6	

Pace Analytical

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148591 Date Collected: 06/13/97 Matrix: Soil
Client Sample ID: SWMP1S001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Toluene	ND	ug/kg	710	06/24/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/kg	710	06/24/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/kg	710	06/24/97	SAC	79-00-5	
Tetrachloroethene	ND	ug/kg	710	06/24/97	SAC	127-18-4	
1,3-Dichloropropane	ND	ug/kg	710	06/24/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/kg	710	06/24/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/kg	710	06/24/97	SAC	106-93-4	
Chlorobenzene	ND	ug/kg	710	06/24/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/kg	710	06/24/97	SAC	630-20-6	
Ethylbenzene	ND	ug/kg	710	06/24/97	SAC	100-41-4	
Xylene (Total)	ND	ug/kg	710	06/24/97	SAC	1330-20-7	
Styrene	ND	ug/kg	710	06/24/97	SAC	100-42-5	
Bromoform	ND	ug/kg	710	06/24/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/kg	710	06/24/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/kg	710	06/24/97	SAC	79-34-5	
Bromobenzene	ND	ug/kg	710	06/24/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/kg	710	06/24/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/kg	710	06/24/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/kg	710	06/24/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/kg	710	06/24/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/kg	710	06/24/97	SAC	106-43-4	
tert-Butylbenzene	ND	ug/kg	710	06/24/97	SAC	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/kg	710	06/24/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/kg	710	06/24/97	SAC	135-98-8	
p-Isopropyltoluene	ND	ug/kg	710	06/24/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/kg	710	06/24/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	710	06/24/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/kg	710	06/24/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/kg	710	06/24/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	710	06/24/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/kg	710	06/24/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/kg	710	06/24/97	SAC	87-68-3	
Naphthalene	ND	ug/kg	710	06/24/97	SAC	91-20-3	
1,2,3-Trichlorobenzene	ND	ug/kg	710	06/24/97	SAC	87-61-6	
Toluene-d8 (S)	118	%		06/24/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	112	%		06/24/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	144	%		06/24/97	SAC	17060-07-0	
Date Prepared				06/23/97			

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148609 Date Collected: 06/13/97 Matrix: Soil
Client Sample ID: SWMP25001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP		Method: EPA 6010			Prep Method: EPA 3050		
Iron	9370	mg/kg	2.92	06/23/97	TEM	7439-89-6	
Date Digested				06/23/97			
Wet Chemistry							
pH, Solid		Method: EPA 9045			Prep Method: EPA 9045		
pH	8.1		0.1	06/19/97	CRS		
Ammonia, Soil, Distilled		Method: EPA 350.2			Prep Method: EPA 350.2		
Nitrogen, Ammonia	ND	mg/kg	11	06/26/97	CRS	7727-37-9	
Phosphorus, Total, Soil		Method: EPA 365.2 Modified			Prep Method: EPA 365.2 Modified		
Phosphorus	133	mg/kg	4.71	06/25/97	HMJ	7723-14-0	
Organics, Prep							
Percent Moisture		Method:			Prep Method:		
Percent Moisture	14.3	%		06/19/97	DWM		
GC/MS -- VOA							
GC/MS VOCs by 8260		Method: EPA 8260			Prep Method: 5030 Med Lvl Soil		
Dichlorodifluoromethane	ND	ug/kg	720	06/24/97	SAC	75-71-8	
Chloromethane	ND	ug/kg	720	06/24/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/kg	720	06/24/97	SAC	75-01-4	
Bromomethane	ND	ug/kg	720	06/24/97	SAC	74-83-9	
Chloroethane	ND	ug/kg	720	06/24/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/kg	720	06/24/97	SAC	75-69-4	
Methylene Chloride	800	ug/kg	720	06/24/97	SAC	75-09-2	
1,1-Dichloroethene	ND	ug/kg	720	06/24/97	SAC	75-35-4	
trans-1,2-Dichloroethene	ND	ug/kg	720	06/24/97	SAC	156-60-5	
1,1-Dichloroethane	ND	ug/kg	720	06/24/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/kg	720	06/24/97	SAC	594-20-7	
cis-1,2-Dichloroethene	3100	ug/kg	720	06/24/97	SAC	156-59-2	
Chloroform	ND	ug/kg	720	06/24/97	SAC	67-66-3	
Bromochloromethane	ND	ug/kg	720	06/24/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/kg	720	06/24/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/kg	720	06/24/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/kg	720	06/24/97	SAC	563-58-6	
Benzene	ND	ug/kg	720	06/24/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/kg	720	06/24/97	SAC	107-06-2	
Trichloroethene	ND	ug/kg	720	06/24/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/kg	720	06/24/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/kg	720	06/24/97	SAC	75-27-4	
Dibromomethane	ND	ug/kg	720	06/24/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/kg	720	06/24/97	SAC	10061-02-6	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148609 Date Collected: 06/13/97 Matrix: Soil
Client Sample ID: SWMP25001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Toluene	ND	ug/kg	720	06/24/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/kg	720	06/24/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/kg	720	06/24/97	SAC	79-00-5	
Tetrachloroethene	ND	ug/kg	720	06/24/97	SAC	127-18-4	
1,3-Dichloropropane	ND	ug/kg	720	06/24/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/kg	720	06/24/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/kg	720	06/24/97	SAC	106-93-4	
Chlorobenzene	ND	ug/kg	720	06/24/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/kg	720	06/24/97	SAC	630-20-6	
Ethylbenzene	ND	ug/kg	720	06/24/97	SAC	100-41-4	
Xylene (Total)	ND	ug/kg	720	06/24/97	SAC	1330-20-7	
Styrene	ND	ug/kg	720	06/24/97	SAC	100-42-5	
Bromoform	ND	ug/kg	720	06/24/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/kg	720	06/24/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/kg	720	06/24/97	SAC	79-34-5	
Bromobenzene	ND	ug/kg	720	06/24/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/kg	720	06/24/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/kg	720	06/24/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/kg	720	06/24/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/kg	720	06/24/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/kg	720	06/24/97	SAC	106-43-4	
tert-Butylbenzene	ND	ug/kg	720	06/24/97	SAC	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/kg	720	06/24/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/kg	720	06/24/97	SAC	135-98-8	
p-Isopropyltoluene	ND	ug/kg	720	06/24/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/kg	720	06/24/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	720	06/24/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/kg	720	06/24/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/kg	720	06/24/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	720	06/24/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/kg	720	06/24/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/kg	720	06/24/97	SAC	87-68-3	
Naphthalene	ND	ug/kg	720	06/24/97	SAC	91-20-3	
1,2,3-Trichlorobenzene	ND	ug/kg	720	06/24/97	SAC	87-61-6	
Toluene-d8 (S)	122	%		06/24/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	114	%		06/24/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	140	%		06/24/97	SAC	17060-07-0	
Date Prepared				06/23/97			

Pace Analytical

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148617 Date Collected: 06/13/97 Matrix: Soil
Client Sample ID: SWMP35001 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3050		
Iron	8570	mg/kg	3.12	06/23/97	TEM	7439-89-6	
Date Digested				06/23/97			
Wet Chemistry							
pH, Solid	Method: EPA 9045				Prep Method: EPA 9045		
pH	8.2		0.1	06/19/97	CRS		
Ammonia, Soil, Distilled	Method: EPA 350.2				Prep Method: EPA 350.2		
Nitrogen, Ammonia	ND	mg/kg	11.7	06/26/97	CRS	7727-37-9	
Phosphorus, Total, Soil	Method: EPA 365.2 Modified				Prep Method: EPA 365.2 Modified		
Phosphorus	68.8	mg/kg	5.84	06/25/97	HMJ	7723-14-0	
Organics, Prep							
Percent Moisture	Method:				Prep Method:		
Percent Moisture	19.8	%		06/19/97	DWM		
GC/MS -- VOA							
GC/MS VOCs by 8260	Method: EPA 8260				Prep Method: 5030 Med Lvl Soil		
Dichlorodifluoromethane	ND	ug/kg	770	06/24/97	SAC	75-71-8	
Chloromethane	ND	ug/kg	770	06/24/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/kg	770	06/24/97	SAC	75-01-4	
Bromomethane	ND	ug/kg	770	06/24/97	SAC	74-83-9	
Chloroethane	ND	ug/kg	770	06/24/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/kg	770	06/24/97	SAC	75-69-4	
Methylene Chloride	2300	ug/kg	770	06/24/97	SAC	75-09-2	
1,1-Dichloroethene	ND	ug/kg	770	06/24/97	SAC	75-35-4	
trans-1,2-Dichloroethene	ND	ug/kg	770	06/24/97	SAC	156-60-5	
1,1-Dichloroethane	ND	ug/kg	770	06/24/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/kg	770	06/24/97	SAC	594-20-7	
cis-1,2-Dichloroethene	1600	ug/kg	770	06/24/97	SAC	156-59-2	
Chloroform	ND	ug/kg	770	06/24/97	SAC	67-66-3	
Bromochloromethane	ND	ug/kg	770	06/24/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/kg	770	06/24/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/kg	770	06/24/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/kg	770	06/24/97	SAC	563-58-6	
Benzene	ND	ug/kg	770	06/24/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/kg	770	06/24/97	SAC	107-06-2	
Trichloroethene	ND	ug/kg	770	06/24/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/kg	770	06/24/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/kg	770	06/24/97	SAC	75-27-4	
Dibromomethane	ND	ug/kg	770	06/24/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/kg	770	06/24/97	SAC	10061-02-6	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148617
Client Sample ID: SWMP35001

Date Collected: 06/13/97
Date Received: 06/14/97

Matrix: Soil

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Toluene	ND	ug/kg	770	06/24/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/kg	770	06/24/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/kg	770	06/24/97	SAC	79-00-5	
Tetrachloroethene	ND	ug/kg	770	06/24/97	SAC	127-18-4	
1,3-Dichloropropane	ND	ug/kg	770	06/24/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/kg	770	06/24/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/kg	770	06/24/97	SAC	106-93-4	
Chlorobenzene	ND	ug/kg	770	06/24/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/kg	770	06/24/97	SAC	630-20-6	
Ethylbenzene	ND	ug/kg	770	06/24/97	SAC	100-41-4	
Xylene (Total)	ND	ug/kg	770	06/24/97	SAC	1330-20-7	
Styrene	ND	ug/kg	770	06/24/97	SAC	100-42-5	
Bromoform	ND	ug/kg	770	06/24/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/kg	770	06/24/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/kg	770	06/24/97	SAC	79-34-5	
Bromobenzene	ND	ug/kg	770	06/24/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/kg	770	06/24/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/kg	770	06/24/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/kg	770	06/24/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/kg	770	06/24/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/kg	770	06/24/97	SAC	106-43-4	
tert-Butylbenzene	ND	ug/kg	770	06/24/97	SAC	98-06-6	
1,2,4-Trimethylbenzene	ND	ug/kg	770	06/24/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/kg	770	06/24/97	SAC	135-98-8	
p-Isopropyltoluene	ND	ug/kg	770	06/24/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/kg	770	06/24/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	770	06/24/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/kg	770	06/24/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/kg	770	06/24/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/kg	770	06/24/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/kg	770	06/24/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/kg	770	06/24/97	SAC	87-68-3	
Naphthalene	300	ug/kg	770	06/24/97	SAC	91-20-3	1
1,2,3-Trichlorobenzene	ND	ug/kg	770	06/24/97	SAC	87-61-6	
Toluene-d8 (S)	110	%		06/24/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	110	%		06/24/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	144	%		06/24/97	SAC	17060-07-0	
Date Prepared				06/23/97			

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148625 Date Collected: 06/13/97 Matrix: Water
Client Sample ID: RB13069701 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3010		
Iron	ND	ug/L	25	06/23/97	TEM	7439-89-6	
Date Digested				06/23/97			
Wet Chemistry							
pH, Water	Method: EPA 150.1				Prep Method: EPA 150.1		
pH	5.8		0.1	06/26/97	BJR2		
Ammonia, Water, Distilled	Method: EPA 350.2				Prep Method: EPA 350.2		
Nitrogen, Ammonia	ND	mg/L	0.1	06/26/97	CRS	7727-37-9	
Phosphorus, Total	Method: EPA 365.2				Prep Method: EPA 365.2		
Phosphorus	ND	mg/L	0.05	06/24/97	HMJ	7723-14-0	
GC/MS -- VOA							
GC/MS VOCs by 8260 MN	Method: EPA 8260				Prep Method: EPA 8260		
Dichlorodifluoromethane	ND	ug/L	5	06/26/97	SAC	75-71-8	
Chloromethane	ND	ug/L	5	06/26/97	SAC	74-87-3	
Vinyl Chloride	ND	ug/L	5	06/26/97	SAC	75-01-4	
Bromomethane	ND	ug/L	5	06/26/97	SAC	74-83-9	
Chloroethane	ND	ug/L	5	06/26/97	SAC	75-00-3	
Trichlorofluoromethane	ND	ug/L	5	06/26/97	SAC	75-69-4	
Methylene Chloride	ND	ug/L	5	06/26/97	SAC	75-09-2	
1,1-Dichloroethene	ND	ug/L	5	06/26/97	SAC	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5	06/26/97	SAC	156-60-5	
1,1-Dichloroethane	ND	ug/L	5	06/26/97	SAC	75-34-3	
2,2-Dichloropropane	ND	ug/L	5	06/26/97	SAC	594-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5	06/26/97	SAC	156-59-2	
Chloroform	ND	ug/L	5	06/26/97	SAC	67-66-3	
Bromochloromethane	ND	ug/L	5	06/26/97	SAC	74-97-5	
1,1,1-Trichloroethane	ND	ug/L	5	06/26/97	SAC	71-55-6	
Carbon Tetrachloride	ND	ug/L	5	06/26/97	SAC	56-23-5	
1,1-Dichloropropene	ND	ug/L	5	06/26/97	SAC	563-58-6	
Benzene	ND	ug/L	5	06/26/97	SAC	71-43-2	
1,2-Dichloroethane	ND	ug/L	5	06/26/97	SAC	107-06-2	
Trichloroethene	ND	ug/L	5	06/26/97	SAC	79-01-6	
1,2-Dichloropropane	ND	ug/L	5	06/26/97	SAC	78-87-5	
Bromodichloromethane	ND	ug/L	5	06/26/97	SAC	75-27-4	
Dibromomethane	ND	ug/L	5	06/26/97	SAC	74-95-3	
trans-1,3-Dichloropropene	ND	ug/L	5	06/26/97	SAC	10061-02-6	
Toluene	ND	ug/L	5	06/26/97	SAC	108-88-3	
cis-1,3-Dichloropropene	ND	ug/L	5	06/26/97	SAC	10061-01-5	
1,1,2-Trichloroethane	ND	ug/L	5	06/26/97	SAC	79-00-5	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Pace Sample No: 10148625 Date Collected: 06/13/97 Matrix: Water
Client Sample ID: RB13069701 Date Received: 06/14/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Tetrachloroethene	ND	ug/L	5	06/26/97	SAC	127-18-4	
1,3-Dichloropropane	ND	ug/L	5	06/26/97	SAC	142-28-9	
Dibromochloromethane	ND	ug/L	5	06/26/97	SAC	124-48-1	
1,2-Dibromoethane	ND	ug/L	5	06/26/97	SAC	106-93-4	
Chlorobenzene	ND	ug/L	5	06/26/97	SAC	108-90-7	
1,1,1,2-Tetrachloroethane	ND	ug/L	5	06/26/97	SAC	630-20-6	
Ethylbenzene	ND	ug/L	5	06/26/97	SAC	100-41-4	
Xylene (Total)	ND	ug/L	5	06/26/97	SAC	1330-20-7	
Styrene	ND	ug/L	5	06/26/97	SAC	100-42-5	
Bromoform	ND	ug/L	5	06/26/97	SAC	75-25-2	
Isopropylbenzene (Cumene)	ND	ug/L	5	06/26/97	SAC	98-82-8	
1,1,2,2-Tetrachloroethane	ND	ug/L	5	06/26/97	SAC	79-34-5	
Bromobenzene	ND	ug/L	5	06/26/97	SAC	108-86-1	
1,2,3-Trichloropropane	ND	ug/L	5	06/26/97	SAC	96-18-4	
n-Propylbenzene	ND	ug/L	5	06/26/97	SAC	103-65-1	
2-Chlorotoluene	ND	ug/L	5	06/26/97	SAC	95-49-8	
1,3,5-Trimethylbenzene	ND	ug/L	5	06/26/97	SAC	108-67-8	
4-Chlorotoluene	ND	ug/L	5	06/26/97	SAC	106-43-4	
1,2,4-Trimethylbenzene	ND	ug/L	5	06/26/97	SAC	95-63-6	
sec-Butylbenzene	ND	ug/L	5	06/26/97	SAC	135-98-8	
tert-Butylbenzene	ND	ug/L	5	06/26/97	SAC	98-06-6	
p-Isopropyltoluene	ND	ug/L	5	06/26/97	SAC	99-87-6	
1,3-Dichlorobenzene	ND	ug/L	5	06/26/97	SAC	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5	06/26/97	SAC	106-46-7	
n-Butylbenzene	ND	ug/L	5	06/26/97	SAC	104-51-8	
1,2-Dichlorobenzene	ND	ug/L	5	06/26/97	SAC	95-50-1	
1,2-Dibromo-3-Chloropropane	ND	ug/L	5	06/26/97	SAC	96-12-8	
1,2,4-Trichlorobenzene	ND	ug/L	5	06/26/97	SAC	120-82-1	
Hexachlorobutadiene	ND	ug/L	5	06/26/97	SAC	87-68-3	
Naphthalene	ND	ug/L	5	06/26/97	SAC	91-20-3	
1,2,3-Trichlorobenzene	ND	ug/L	5	06/26/97	SAC	87-61-6	
Dibromofluoromethane (S)	122	%		06/26/97	SAC	1868-53-7	
Toluene-d8 (S)	102	%		06/26/97	SAC	2037-26-5	
4-Bromofluorobenzene (S)	120	%		06/26/97	SAC	460-00-4	
1,2-Dichloroethane-d4 (S)	166	%		06/26/97	SAC	17060-07-0	

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate
[1]	Detected but below the PRL; therefore, result is an estimated concentration (CLP J-Flag).

IT Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 2892
Analysis Method: EPA 150.1
Associated Pace Samples: 10148583 10148625

QC Batch Method: EPA 150.1
Analysis Description: pH, Water

LABORATORY CONTROL SAMPLE: 10148690

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
pH		8.0	8.000	100	

SAMPLE DUPLICATE: 10148708

Parameter	Units	10148583	Dup. Result	RPD	Footnotes
pH		6.600	6.400	3	

SAMPLE DUPLICATE: 10148716

Parameter	Units	10148625	Dup. Result	RPD	Footnotes
pH		5.800	5.900	2	

IT Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 2933
QC Batch Method: EPA 3550 Sonication
Analysis Method: EPA 8270
Analysis Description: Semivolatile Organics
Associated Pace Samples: 10148542 10148591 10148609 10148617

METHOD BLANK: 10150449
Associated Pace Samples:

Parameter	Units	10148542 10148591 10148609 10148617 Method Blank Result	PRL	Footnotes
Phenol	ug/kg	ND	330	
bis(2-Chloroethyl)ether	ug/kg	ND	330	
2-Chlorophenol	ug/kg	ND	330	
1,3-Dichlorobenzene	ug/kg	ND	330	
ichlorobenzene	ug/kg	ND	330	
l Alcohol	ug/kg	ND	660	
1,2-Dichlorobenzene	ug/kg	ND	330	
2-Methylphenol	ug/kg	ND	330	
4-Methylphenol	ug/kg	ND	330	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Nitrobenzene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
2-Nitrophenol	ug/kg	ND	330	
2,4-Dimethylphenol	ug/kg	ND	330	
Benzoic Acid	ug/kg	ND	1700	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	
2,4-Dichlorophenol	ug/kg	ND	330	
1,2,4-Trichlorobenzene	ug/kg	ND	330	
Naphthalene	ug/kg	ND	330	
4-Chloroaniline	ug/kg	ND	330	
Hexachlorobutadiene	ug/kg	ND	330	
4-Chloro-3-methylphenol	ug/kg	ND	330	
2-Methylnaphthalene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	

METHOD BLANK: 10150449
Associated Pace Samples: 10148542 10148591 10148609 10148617

Parameter	Units	Method Blank Result	PRL	Footnotes
2,4,6-Trichlorophenol	ug/kg	ND	330	
2,4,5-Trichlorophenol	ug/kg	ND	1700	
2-Chloronaphthalene	ug/kg	ND	330	
2-Nitroaniline	ug/kg	ND	1700	
Dimethylphthalate	ug/kg	ND	330	
Acenaphthylene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
3-Nitroaniline	ug/kg	ND	1700	
Acenaphthene	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1700	
4-Nitrophenol	ug/kg	ND	1700	
Dibenzofuran	ug/kg	ND	330	
2,4-Dinitrotoluene	ug/kg	ND	330	
Diethylphthalate	ug/kg	ND	330	
4-Chlorophenyl-phenylether	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
4-Nitroaniline	ug/kg	ND	1700	
[illegible]initro-2-methylphenol	ug/kg	ND	1700	
[illegible]rosodiphenylamine	ug/kg	ND	330	
4-Bromophenyl-phenylether	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Pentachlorophenol	ug/kg	ND	1700	
Phenanthrene	ug/kg	ND	330	
Anthracene	ug/kg	ND	330	
Di-n-butylphthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Pyrene	ug/kg	ND	330	
Butylbenzylphthalate	ug/kg	ND	330	
3,3'-Dichlorobenzidine	ug/kg	ND	670	
Benzo(a)anthracene	ug/kg	ND	330	
Chrysene	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
Benzo(b)fluoranthene	ug/kg	ND	330	
Benzo(k)fluoranthene	ug/kg	ND	330	
Benzo(a)pyrene	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Dibenz(a,h)anthracene	ug/kg	ND	330	

METHOD BLANK: 10150449
Associated Pace Samples: 10148542 10148591 10148609 10148617

Parameter	Units	Method Blank Result	PRL	Footnotes
Benzo(g,h,i)perylene	ug/kg	ND	330	
Nitrobenzene-d5 (S)	%	79		
2-Fluorobiphenyl (S)	%	89		
Terphenyl-d14 (S)	%	93		
2-Fluorophenol (S)	%	53		
2,4,6-Tribromophenol (S)	%	97		

LABORATORY CONTROL SAMPLE & LCSD: 10150456 10150464

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Phenol	ug/kg	1667	1173	70.4	1407	84.4	18	
bis(2-Chloroethyl)ether	ug/kg	1667	1193	71.6	1300	78.0	9	
2-Chlorophenol	ug/kg	1667	1238	74.3	1397	83.8	12	
1,3-Dichlorobenzene	ug/kg	1667	1067	64.0	1267	76.0	17	
1,4-Dichlorobenzene	ug/kg	1667	1122	67.3	1322	79.3	16	
[illegible] Alcohol	ug/kg	1667	1700	102	1950	117	14	
[illegible]chlorobenzene	ug/kg	1667	1083	65.0	1332	79.9	21	
2-Methylphenol	ug/kg	1667	1400	84.0	1592	95.5	13	
4-Methylphenol	ug/kg	1667	1562	93.7	1733	104	10	
N-Nitroso-di-n-propylamine	ug/kg	1667	1490	89.4	1700	102	13	
Hexachloroethane	ug/kg	1667	1257	75.4	1470	88.2	16	
Nitrobenzene	ug/kg	1667	1297	77.8	1592	95.5	20	
Isophorone	ug/kg	1667	1325	79.5	1518	91.1	14	
2-Nitrophenol	ug/kg	1667	1295	77.7	1532	91.9	17	
2,4-Dimethylphenol	ug/kg	1667	1222	73.3	1240	74.4	1	
Benzoic Acid	ug/kg	3333	4233	127	4817	145	13	1
bis(2-Chloroethoxy)methane	ug/kg	1667	1383	83.0	1633	98.0	17	
2,4-Dichlorophenol	ug/kg	1667	1433	86.0	1635	98.1	13	
1,2,4-Trichlorobenzene	ug/kg	1667	1310	78.6	1513	90.8	14	
Naphthalene	ug/kg	1667	1303	78.2	1527	91.6	16	
4-Chloroaniline	ug/kg	1667	963.3	57.8	871.7	52.3	10	
Hexachlorobutadiene	ug/kg	1667	1287	77.2	1557	93.4	19	
4-Chloro-3-methylphenol	ug/kg	1667	1602	96.1	1750	105	9	
2-Methylnaphthalene	ug/kg	1667	1333	80.0	1573	94.4	17	
Hexachlorocyclopentadiene	ug/kg	3333	2833	85.0	3000	90.0	6	1
2,4,6-Trichlorophenol	ug/kg	1667	1565	93.9	1717	103	9	

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

LABORATORY CONTROL SAMPLE & LCSD: 10150456 10150464

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
2,4,5-Trichlorophenol	ug/kg	1667	1413	84.8	1552	93.1	9	
2-Chloronaphthalene	ug/kg	1667	1390	83.4	1610	96.6	15	
2-Nitroaniline	ug/kg	1667	1552	93.1	1683	101	8	2
Dimethylphthalate	ug/kg	1667	1457	87.4	1650	99.0	12	
Acenaphthylene	ug/kg	1667	1437	86.2	1617	97.0	12	
2,6-Dinitrotoluene	ug/kg	1667	1597	95.8	1850	111	15	
3-Nitroaniline	ug/kg	1667	1040	62.4	928.3	55.7	11	2
Acenaphthene	ug/kg	1667	1453	87.2	1545	92.7	6	
2,4-Dinitrophenol	ug/kg	1667	2000	120	2150	129	7	
4-Nitrophenol	ug/kg	1667	1717	103	1833	110	7	
Dibenzofuran	ug/kg	1667	1445	86.7	1565	93.9	8	
2,4-Dinitrotoluene	ug/kg	1667	1683	101	1783	107	6	
Diethylphthalate	ug/kg	1667	1512	90.7	1658	99.5	9	
4-Chlorophenyl-phenylether	ug/kg	1667	1562	93.7	1633	98.0	4	
Fluorene	ug/kg	1667	1452	87.1	1558	93.5	7	
4-Nitroaniline	ug/kg	1667	1265	75.9	1432	85.9	12	2
4,6-Dinitro-2-methylphenol	ug/kg	1667	1683	101	1817	109	8	
N-Nitrosodiphenylamine	ug/kg	1667	1477	88.6	1602	96.1	8	
4-Bromophenyl-phenylether	ug/kg	1667	1572	94.3	1733	104	10	
H[illegible]chlorobenzene	ug/kg	1667	1568	94.1	1733	104	10	
[illegible]chlorophenol	ug/kg	1667	1347	80.8	1438	86.3	7	
P[illegible]anthrene	ug/kg	1667	1587	95.2	1657	99.4	4	
Anthracene	ug/kg	1667	1540	92.4	1618	97.1	5	
Di-n-butylphthalate	ug/kg	1667	1577	94.6	1612	96.7	2	
Fluoranthene	ug/kg	1667	1590	95.4	1700	102	7	
Pyrene	ug/kg	1667	1628	97.7	1700	102	4	
Butylbenzylphthalate	ug/kg	1667	1660	99.6	1733	104	4	
3,3'-Dichlorobenzidine	ug/kg	1667	988.3	59.3	948.3	56.9	4	
Benzo(a)anthracene	ug/kg	1667	1610	96.6	1733	104	7	
Chrysene	ug/kg	1667	1528	91.7	1667	100	9	
bis(2-Ethylhexyl)phthalate	ug/kg	1667	1717	103	1783	107	4	
Di-n-octylphthalate	ug/kg	1667	1700	102	1883	113	10	
Benzo(b)fluoranthene	ug/kg	1667	1717	103	1850	111	7	
Benzo(k)fluoranthene	ug/kg	1667	1523	91.4	1683	101	10	
Benzo(a)pyrene	ug/kg	1667	1607	96.4	1750	105	9	
Indeno(1,2,3-cd)pyrene	ug/kg	1667	1467	88.0	1587	95.2	8	
Dibenz(a,h)anthracene	ug/kg	1667	1432	85.9	1555	93.3	8	
Benzo(g,h,i)perylene	ug/kg	1667	1473	88.4	1598	95.9	8	
Nitrobenzene-d5 (S)				75		87		
2-Fluorobiphenyl (S)				78		87		
Terphenyl-d14 (S)				92		96		

QUALITY CONTROL DATA

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

LABORATORY CONTROL SAMPLE & LCSD: 10150456 10150464

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
2-Fluorophenol (S)				67		76		
2,4,6-Tribromophenol (S)				103		105		

QUALITY CONTROL DATA

IT Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 2954
Analysis Method:
Associated Pace Samples: 10148542

QC Batch Method:
Analysis Description: Percent Moisture

METHOD BLANK: 10151116
Associated Pace Samples:
10148542

Parameter	Units	Method Blank Result	PRL	Footnotes
Percent Moisture	%	0		

SAMPLE DUPLICATE: 10151124

Parameter	Units	10139905	Dup. Result	RPD	Footnotes
Percent Moisture	%	22.00	21.80	1	

SAMPLE DUPLICATE: 10151132

Parameter	Units	10140002	Dup. Result	RPD	Footnotes
Percent Moisture	%	14.70	10.90	30	

QUALITY CONTROL DATA

IT Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 2957
QC Batch Method:
Analysis Method:
Analysis Description: Percent Moisture
Associated Pace Samples: 10148591 10148609 10148617

METHOD BLANK: 10151363
Associated Pace Samples:

		10148591	10148609	10148617	
Parameter	Units		Method Blank Result	PRL	Footnotes
Percent Moisture	%		0		

SAMPLE DUPLICATE: 10151371

Parameter	Units	10148591	Dup. Result	RPD	Footnotes
Percent Moisture	%	12.70	13.40	6	

SAMPLE DUPLICATE: 10151389

Parameter	Units	10151173	Dup. Result	RPD	Footnotes
Percent Moisture	%	15.30	15.70	2	

QUALITY CONTROL DATA

IT Corporation
11499 Chester Road
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Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3043
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: pH, Solid
Associated Pace Samples: 10148542 10148591 10148609 10148617

LABORATORY CONTROL SAMPLE: 10155489

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
pH		8.0	8.000	99.9	

SAMPLE DUPLICATE: 10155471

Parameter	Units	10148542	Dup. Result	RPD	Footnotes
pH		7.800	7.700	1	

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Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3092
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: Metals, ICP
Associated Pace Samples: 10148583 10148625

METHOD BLANK: 10158327
Associated Pace Samples:
10148583 10148625

Parameter	Units	Method Blank Result	PRL	Footnotes
Iron	ug/L	ND	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 10158343 10158350

Parameter	Units	10148583	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Iron	ug/L	9.300	1000	888.2	87.9	952.6	94.3	7	

LABORATORY CONTROL SAMPLE: 10158335

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Iron	ug/L	1000	950.6	95.1	

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Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3093
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: Metals, ICP
Associated Pace Samples: 10148542 10148591 10148609 10148617

METHOD BLANK: 10158368
Associated Pace Samples:

		10148542	10148591	10148609	10148617
Parameter	Units		Method Blank Result	PRL	Footnotes
Iron	mg/kg		ND	2.5	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 10158376 10158384

Parameter	Units	10148542	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Iron	mg/kg	8800	116.9	8297	-431	9545	637	1037	3,4

LABORATORY CONTROL SAMPLE: 10158392

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Iron	mg/kg	100	105.7	106	4

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Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3160
QC Batch Method: 5030 Med Lvl Soil
Analysis Method: EPA 8260
Analysis Description: GC/MS VOCs by 8260
Associated Pace Samples: 10148542 10148591 10148609 10148617

METHOD BLANK: 10161941
Associated Pace Samples:

Parameter	Units	10148542 10148591 10148609 10148617 Method Blank Result	PRL	Footnotes
Dichlorodifluoromethane	ug/kg	ND	620	
Chloromethane	ug/kg	ND	620	
Vinyl Chloride	ug/kg	ND	620	
Bromomethane	ug/kg	ND	620	
Chloroethane	ug/kg	ND	620	
Trichlorofluoromethane	ug/kg	ND	620	
Methylene Chloride	ug/kg	ND	620	
1,1-Dichloroethene	ug/kg	ND	620	
trans-1,2-Dichloroethene	ug/kg	ND	620	
2,2-Dichloropropane	ug/kg	ND	620	
cis-1,2-Dichloroethene	ug/kg	ND	620	
Chloroform	ug/kg	ND	620	
Bromochloromethane	ug/kg	ND	620	
1,1,1-Trichloroethane	ug/kg	ND	620	
Carbon Tetrachloride	ug/kg	ND	620	
1,1-Dichloropropene	ug/kg	ND	620	
Benzene	ug/kg	ND	620	
1,2-Dichloroethane	ug/kg	ND	620	
Trichloroethene	ug/kg	ND	620	
1,2-Dichloropropane	ug/kg	ND	620	
Bromodichloromethane	ug/kg	ND	620	
Dibromomethane	ug/kg	ND	620	
trans-1,3-Dichloropropene	ug/kg	ND	620	
Toluene	ug/kg	ND	620	
cis-1,3-Dichloropropene	ug/kg	ND	620	

METHOD BLANK: 10161941
Associated Pace Samples:

	10148542	10148591	10148609	10148617
Parameter	Units	Method Blank Result	PRL	Footnotes
1,1,2-Trichloroethane	ug/kg	ND	620	
Tetrachloroethene	ug/kg	ND	620	
1,3-Dichloropropane	ug/kg	ND	620	
Dibromochloromethane	ug/kg	ND	620	
1,2-Dibromoethane	ug/kg	ND	620	
Chlorobenzene	ug/kg	ND	620	
1,1,1,2-Tetrachloroethane	ug/kg	ND	620	
Ethylbenzene	ug/kg	ND	620	
Xylene (Total)	ug/kg	ND	620	
Styrene	ug/kg	ND	620	
Bromoform	ug/kg	ND	620	
Isopropylbenzene (Cumene)	ug/kg	ND	620	
1,1,2,2-Tetrachloroethane	ug/kg	ND	620	
Bromobenzene	ug/kg	ND	620	
1,2,3-Trichloropropane	ug/kg	ND	620	
n-Propylbenzene	ug/kg	ND	620	
2-Chlorotoluene	ug/kg	ND	620	
Trimethylbenzene	ug/kg	ND	620	
Chlorotoluene	ug/kg	ND	620	
tert-Butylbenzene	ug/kg	ND	620	
1,2,4-Trimethylbenzene	ug/kg	ND	620	
sec-Butylbenzene	ug/kg	ND	620	
p-Isopropyltoluene	ug/kg	ND	620	
1,3-Dichlorobenzene	ug/kg	ND	620	
1,4-Dichlorobenzene	ug/kg	ND	620	
n-Butylbenzene	ug/kg	ND	620	
1,2-Dichlorobenzene	ug/kg	ND	620	
1,2-Dibromo-3-Chloropropane	ug/kg	ND	620	
1,2,4-Trichlorobenzene	ug/kg	ND	620	
Hexachlorobutadiene	ug/kg	ND	620	
Naphthalene	ug/kg	1200	620	
1,2,3-Trichlorobenzene	ug/kg	ND	620	
Toluene-d8 (S)	%	122		
4-Bromofluorobenzene (S)	%	128		
1,2-Dichloroethane-d4 (S)	%	140		

QUALITY CONTROL DATA

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 10161974 10161982

Parameter	Units	10148542	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
',1-Dichloroethene	ug/kg	0	7303	7449	102	7888	108	6	
Benzene	ug/kg	0	7303	9348	128	9932	136	6	
Trichloroethene	ug/kg	0	7303	6573	90.0	7011	96.0	6	
Toluene	ug/kg	0	7303	7595	104	8472	116	11	
Chlorobenzene	ug/kg	0	7303	7303	100	7741	106	6	
Toluene-d8 (S)					116		112		
4-Bromofluorobenzene (S)					120		118		
1,2-Dichloroethane-d4 (S)					144		144		

LABORATORY CONTROL SAMPLE: 10161958

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Methylene Chloride	ug/kg	6250	6000	96.0	
',1-Dichloroethene	ug/kg	6250	6125	98.0	
trans-1,2-Dichloroethene	ug/kg	6250	6125	98.0	
',1-Dichloroethane	ug/kg	6250	9250	148	
2,2-Dichloropropane	ug/kg	6250	7000	112	
cis-1,2-Dichloroethene	ug/kg	6250	6250	100	
[illegible]form	ug/kg	6250	7250	116	
B[illegible]chloromethane	ug/kg	6250	5625	90.0	
',1,1-Trichloroethane	ug/kg	6250	7875	126	
Carbon Tetrachloride	ug/kg	6250	10250	164	
',1-Dichloropropene	ug/kg	6250	8875	142	
Benzene	ug/kg	6250	8250	132	
',2-Dichloroethane	ug/kg	6250	8875	142	
Trichloroethene	ug/kg	6250	7875	126	
',2-Dichloropropane	ug/kg	6250	8500	136	
Bromodichloromethane	ug/kg	6250	6500	104	
Dibromomethane	ug/kg	6250	5750	92.0	
trans-1,3-Dichloropropene	ug/kg	6250	7000	112	
Toluene	ug/kg	6250	7125	114	
cis-1,3-Dichloropropene	ug/kg	6250	7125	114	
',1,2-Trichloroethane	ug/kg	6250	6250	100	

LABORATORY CONTROL SAMPLE: 10161958

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Tetrachloroethene	ug/kg	6250	6250	100	
1,3-Dichloropropane	ug/kg	6250	8250	132	
Dibromochloromethane	ug/kg	6250	6750	108	
1,2-Dibromoethane	ug/kg	6250	6500	104	
Chlorobenzene	ug/kg	6250	6875	110	
1,1,1,2-Tetrachloroethane	ug/kg	6250	5750	92.0	
Ethylbenzene	ug/kg	6250	7750	124	
Xylene (Total)	ug/kg	18750	25000	133	
Styrene	ug/kg	6250	8375	134	
Bromoform	ug/kg	6250	4625	74.0	
Isopropylbenzene (Cumene)	ug/kg	6250	8500	136	
1,1,2,2-Tetrachloroethane	ug/kg	6250	1750	28.0	
Bromobenzene	ug/kg	6250	6375	102	
1,2,3-Trichloropropane	ug/kg	6250	7250	116	
n-Propylbenzene	ug/kg	6250	11380	182	
2-Chlorotoluene	ug/kg	6250	10120	162	
1,3,5-Trimethylbenzene	ug/kg	6250	12120	194	
4-Chlorotoluene	ug/kg	6250	10120	162	
tert-Butylbenzene	ug/kg	6250	10880	174	
1,2,4-Trimethylbenzene	ug/kg	6250	12000	192	
sec-Butylbenzene	ug/kg	6250	11500	184	
p-Isopropyltoluene	ug/kg	6250	11750	188	
1,3-Dichlorobenzene	ug/kg	6250	7000	112	
1,4-Dichlorobenzene	ug/kg	6250	7000	112	
n-Butylbenzene	ug/kg	6250	15000	240	
1,2-Dichlorobenzene	ug/kg	6250	5625	90.0	
1,2-Dibromo-3-Chloropropane	ug/kg	6250	5375	86.0	
1,2,4-Trichlorobenzene	ug/kg	6250	9875	158	
Hexachlorobutadiene	ug/kg	6250	8875	142	
Naphthalene	ug/kg	6250	10380	166	
1,2,3-Trichlorobenzene	ug/kg	6250	13750	220	
Toluene-d8 (S)				128	
4-Bromofluorobenzene (S)				118	
1,2-Dichloroethane-d4 (S)				156	

IT Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3188
QC Batch Method: EPA 365.2
Analysis Method: EPA 365.2
Analysis Description: Phosphorus, Total
Associated Pace Samples: 10148583 10148625

METHOD BLANK: 10163640
Associated Pace Samples:

Parameter	Units	10148583	10148625 Method Blank Result	PRL	Footnotes
Phosphorus	mg/L		ND	0.05	

MATRIX SPIKE: 10163665

Parameter	Units	10148583	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Phosphorus	mg/L	0.007460	0.50	0.5076	100	

LABORATORY CONTROL SAMPLE: 10163657

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Phosphorus	mg/L	0.50	0.5320	106	

SAMPLE DUPLICATE: 10163673

Parameter	Units	10148583	Dup. Result	RPD	Footnotes
Phosphorus	mg/L	ND	ND	NC	

QUALITY CONTROL DATA

DATE: 07/03/97
PAGE: 32

IT Corporation
11499 Chester Road
Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3245
Analysis Method: EPA 365.2 Modified
Associated Pace Samples: 10148542 10148591 10148609 10148617

QC Batch Method: EPA 365.2 Modified
Analysis Description: Phosphorus, Total, Soil

METHOD BLANK: 10165041
Associated Pace Samples: 10148542 10148591 10148609 10148617

Parameter	Units	Method Blank Result	PRL	Footnotes
Phosphorus	mg/kg	ND	5	

MATRIX SPIKE: 10165066

Parameter	Units	10148617	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Phosphorus	mg/kg	68.84	58.97	138.8	119	

LABORATORY CONTROL SAMPLE: 10165058

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Phosphorus	mg/kg	50	53.69	107	

SAMPLE DUPLICATE: 10165074

Parameter	Units	10148617	Dup. Result	RPD	Footnotes
Phosphorus	mg/kg	68.80	69.40	1	

Pace Analytical

QUALITY CONTROL DATA

DATE: 07/03/97
PAGE: 33

IT Corporation
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Cincinnati, OH 45246

Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3307
Analysis Method: EPA 350.2
Associated Pace Samples: 10148583 10148625

QC Batch Method: EPA 350.2
Analysis Description: Ammonia, Water, Distilled

METHOD BLANK: 10167583
Associated Pace Samples: 10148583 10148625

Parameter	Units	Method Blank Result	PRL	Footnotes
Nitrogen, Ammonia	mg/L	ND	0.1	

MATRIX SPIKE: 10167591

Parameter	Units	10148583	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Nitrogen, Ammonia	mg/L	0.04025	5.0	4.027	79.7	

LABORATORY CONTROL SAMPLE & LCSD: 10167617 10167625

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Nitrogen, Ammonia	mg/L	5.0	4.893	97.9	4.374	87.5	11	

SAMPLE DUPLICATE: 10167609

Parameter	Units	10148583	Dup. Result	RPD	Footnotes
Nitrogen, Ammonia	mg/L	ND	ND	NC	

Pace Analytical

QUALITY CONTROL DATA

DATE: 07/03/97
PAGE: 34

IT Corporation
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Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3308
Analysis Method: EPA 350.2
Associated Pace Samples: 10148542 10148591 10148609 10148617

QC Batch Method: EPA 350.2
Analysis Description: Ammonia, Soil, Distilled

METHOD BLANK: 10167633
Associated Pace Samples: 10148542 10148591 10148609 10148617

Parameter	Units	Method Blank Result	PRL	Footnotes
Nitrogen, Ammonia	mg/kg	ND	5	

MATRIX SPIKE: 10167641

Parameter	Units	10148542	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
Nitrogen, Ammonia	mg/kg	16.13	545	521.9	92.8	

LABORATORY CONTROL SAMPLE & LCSD: 10167666 10167674

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Nitrogen, Ammonia	mg/kg	500	421.8	84.4	431.1	86.2	2	

SAMPLE DUPLICATE: 10167658

Parameter	Units	10148542	Dup. Result	RPD	Footnotes
Nitrogen, Ammonia	mg/kg	16.10	14.60	10	

IT Corporation
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Pace Project Number: 101746
Client Project ID: RANGB/7629701620000

Attn: Mr. Karl Van Kueren
Phone: 513-782-4700

QC Batch ID: 3379
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: GC/MS VOCs by 8260 MN
Associated Pace Samples: 10148450 10148583 10148625

METHOD BLANK: 10172229
Associated Pace Samples:

Parameter	Units	10148450 10148583 10148625 Method Blank Result	PRL	Footnotes
Dichlorodifluoromethane	ug/L	ND	5	
Chloromethane	ug/L	ND	5	
Vinyl Chloride	ug/L	ND	5	
Br[illegible]methane	ug/L	ND	5	
C[illegible]ethane	ug/L	ND	5	
Tr[illegible]torofluoromethane	ug/L	ND	5	
Methylene Chloride	ug/L	ND	5	
1,1-Dichloroethene	ug/L	ND	5	
trans-1,2-Dichloroethene	ug/L	ND	5	
1,1-Dichloroethane	ug/L	ND	5	
2,2-Dichloropropane	ug/L	ND	5	
cis-1,2-Dichloroethene	ug/L	ND	5	
Chloroform	ug/L	ND	5	
Bromochloromethane	ug/L	ND	5	
1,1,1-Trichloroethane	ug/L	ND	5	
Carbon Tetrachloride	ug/L	ND	5	
1,1-Dichloropropene	ug/L	ND	5	
Benzene	ug/L	ND	5	
1,2-Dichloroethane	ug/L	ND	5	
Trichloroethene	ug/L	ND	5	
1,2-Dichloropropane	ug/L	ND	5	
Bromodichloromethane	ug/L	ND	5	
Dibromomethane	ug/L	ND	5	
trans-1,3-Dichloropropene	ug/L	ND	5	
Toluene	ug/L	ND	5	

METHOD BLANK: 10172229
Associated Pace Samples: 10148450 10148583 10148625

Parameter	Units	Method Blank Result	PRL	Footnotes
cis-1,3-Dichloropropene	ug/L	ND	5	
1,1,2-Trichloroethane	ug/L	ND	5	
Tetrachloroethene	ug/L	ND	5	
1,3-Dichloropropane	ug/L	ND	5	
Dibromochloromethane	ug/L	ND	5	
1,2-Dibromoethane	ug/L	ND	5	
Chlorobenzene	ug/L	ND	5	
1,1,1,2-Tetrachloroethane	ug/L	ND	5	
Ethylbenzene	ug/L	ND	5	
Xylene (Total)	ug/L	ND	5	
Styrene	ug/L	ND	5	
Bromoform	ug/L	ND	5	
Isopropylbenzene (Cumene)	ug/L	ND	5	
1,1,2,2-Tetrachloroethane	ug/L	ND	5	
Bromobenzene	ug/L	ND	5	
1,2,3-Trichloropropane	ug/L	ND	5	
n-Propylbenzene	ug/L	ND	5	
2-Chlorotoluene	ug/L	ND	5	
1,3,5-Trimethylbenzene	ug/L	ND	5	
4-Chlorotoluene	ug/L	ND	5	
1,2,4-Trimethylbenzene	ug/L	ND	5	
sec-Butylbenzene	ug/L	ND	5	
tert-Butylbenzene	ug/L	ND	5	
p-Isopropyltoluene	ug/L	ND	5	
1,3-Dichlorobenzene	ug/L	ND	5	
1,4-Dichlorobenzene	ug/L	ND	5	
n-Butylbenzene	ug/L	ND	5	
1,2-Dichlorobenzene	ug/L	ND	5	
1,2-Dibromo-3-Chloropropane	ug/L	ND	5	
1,2,4-Trichlorobenzene	ug/L	ND	5	
Hexachlorobutadiene	ug/L	ND	5	
Naphthalene	ug/L	ND	5	
1,2,3-Trichlorobenzene	ug/L	ND	5	
Dibromofluoromethane (S)	%	88		
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	88		
1,2-Dichloroethane-d4 (S)	%	80		

LABORATORY CONTROL SAMPLE: 10172237

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Dichlorodifluoromethane	ug/L	20	27.00	135	
Chloromethane	ug/L	20	17.00	85.0	
Vinyl Chloride	ug/L	20	19.00	95.0	
Bromomethane	ug/L	20	16.00	80.0	
Chloroethane	ug/L	20	22.00	110	
Trichlorofluoromethane	ug/L	20	44.00	220	
Methylene Chloride	ug/L	20	42.00	210	
1,1-Dichloroethene	ug/L	20	44.00	220	
trans-1,2-Dichloroethene	ug/L	20	40.00	200	
1,1-Dichloroethane	ug/L	20	34.00	170	
2,2-Dichloropropane	ug/L	20	38.00	190	
cis-1,2-Dichloroethene	ug/L	20	42.00	210	
Chloroform	ug/L	20	38.00	190	
Bromochloromethane	ug/L	20	40.00	200	
1,1,1-Trichloroethane	ug/L	20	41.00	205	
Carbon Tetrachloride	ug/L	20	38.00	190	
1,1-Dichloropropene	ug/L	20	36.00	180	
Benzene	ug/L	20	37.00	185	
1,2-Dichloroethane	ug/L	20	30.00	150	
Trichloroethene	ug/L	20	40.00	200	
[illegible]ichloropropane	ug/L	20	38.00	190	
[illegible]dichloromethane	ug/L	20	43.00	215	
Dibromomethane	ug/L	20	44.00	220	
trans-1,3-Dichloropropene	ug/L	20	42.00	210	
Toluene	ug/L	20	47.00	235	
cis-1,3-Dichloropropene	ug/L	20	40.00	200	
1,1,2-Trichloroethane	ug/L	20	40.00	200	
Tetrachloroethene	ug/L	20	56.00	280	
1,3-Dichloropropane	ug/L	20	48.00	240	
Dibromochloromethane	ug/L	20	51.00	255	
1,2-Dibromoethane	ug/L	20	43.00	215	
Chlorobenzene	ug/L	20	44.00	220	
1,1,1,2-Tetrachloroethane	ug/L	20	44.00	220	
Ethylbenzene	ug/L	20	44.00	220	
Xylene (Total)	ug/L	60	140.0	233	
Styrene	ug/L	20	45.00	225	
Bromoform	ug/L	20	39.00	195	
Isopropylbenzene (Cumene)	ug/L	20	46.00	230	
1,1,2,2-Tetrachloroethane	ug/L	20	36.00	180	
Bromobenzene	ug/L	20	49.00	245	
1,2,3-Trichloropropane	ug/L	20	42.00	210	

LABORATORY CONTROL SAMPLE: 10172237

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
n-Propylbenzene	ug/L	20	52.00	260	
2-Chlorotoluene	ug/L	20	52.00	260	
1,3,5-Trimethylbenzene	ug/L	20	54.00	270	
4-Chlorotoluene	ug/L	20	52.00	260	
1,2,4-Trimethylbenzene	ug/L	20	54.00	270	
sec-Butylbenzene	ug/L	20	54.00	270	
tert-Butylbenzene	ug/L	20	51.00	255	
p-Isopropyltoluene	ug/L	20	51.00	255	
1,3-Dichlorobenzene	ug/L	20	48.00	240	
1,4-Dichlorobenzene	ug/L	20	47.00	235	
n-Butylbenzene	ug/L	20	51.00	255	
1,2-Dichlorobenzene	ug/L	20	46.00	230	
1,2-Dibromo-3-Chloropropane	ug/L	20	38.00	190	
1,2,4-Trichlorobenzene	ug/L	20	39.00	195	
Hexachlorobutadiene	ug/L	20	36.00	180	
Naphthalene	ug/L	20	36.00	180	
1,2,3-Trichlorobenzene	ug/L	20	34.00	170	
Dibromofluoromethane (S)				78	
Toluene-d8 (S)				96	
4-Bromofluorobenzene (S)				82	
1,2-Dichloroethane-d4 (S)				64	

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Compound concentration exceeds the calibration range of the instrument (CLP E-Flag).
[2]	Detected but below the PRL; therefore, result is an estimated concentration (CLP J-Flag).
[3]	Due to high analyte concentration the matrix spike and/or matrix spike duplicate do not provide reliable % Recovery and RPD values. Sample results for this QC batch were accepted based on LCS/LCSD % Recovery and/or RPD values.
[4]	Due to high analyte concentration and noted non homogeneity of the QC matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for this QC batch were accepted based on LCS percent recoveries.

APPENDIX C-4

GROUNDWATER ANALYTICAL DATA, JUNE/JULY 1997

APPENDIX C-4.1

SITE SAMPLE RESULTS

Data Qualifier Definitions

J - The analyte is present, but the reported concentration is an estimate

B - The analyte was detected in a method blank sample

D - Reported concentration is from a diluted sample

E - The analyte is present, but the reported concentration is an estimate.

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101D972	ALKALINITY, BICARBONATE (AS CACO3)	378		5.0	MG/L	GENCHEM	09-Jul-97
1MW101D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	09-Jul-97
1MW101D972	ALKALINITY, TOTAL (AS CaCO3)	378		5.0	MG/L	GENCHEM	09-Jul-97
1MW101D972	CHLORIDE (AS CL)	10.2		5.0	MG/L	GENCHEM	09-Jul-97
1MW101D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW101D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW101D972	SULFATE (AS SO4)	58.3		10	MG/L	GENCHEM	09-Jul-97
1MW101D972	TOTAL ORGANIC CARBON	3.0		1.0	MG/L	GENCHEM	09-Jul-97
1MW101D972	GASOLINE RANGE ORGANICS	81		50	UG/L	GRO	09-Jul-97
1MW101D972	ALUMINUM	150		25	UG/L	METALS	09-Jul-97
1MW101D972	ALUMINUM-D	52		25	UG/L	METALS	09-Jul-97
1MW101D972	ANTIMONY	40	U	40	UG/L	METALS	09-Jul-97
1MW101D972	ANTIMONY-D	40	U	40	UG/L	METALS	09-Jul-97
1MW101D972	ARSENIC	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	BARIUM	160		5.0	UG/L	METALS	09-Jul-97
1MW101D972	BARIUM-D	160		5.0	UG/L	METALS	09-Jul-97
1MW101D972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW101D972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW101D972	CADMIUM	17		5.0	UG/L	METALS	09-Jul-97
1MW101D972	CADMIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	CALCIUM	110000		38	UG/L	METALS	09-Jul-97
1MW101D972	CALCIUM-D	110000		38	UG/L	METALS	09-Jul-97
1MW101D972	CHROMIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	COBALT	10	U	10	UG/L	METALS	09-Jul-97
1MW101D972	COBALT-D	10	U	10	UG/L	METALS	09-Jul-97
1MW101D972	COPPER	6.7		3.0	UG/L	METALS	09-Jul-97
1MW101D972	COPPER-D	6.4		3.0	UG/L	METALS	09-Jul-97
1MW101D972	IRON	2300		25	UG/L	METALS	09-Jul-97
1MW101D972	IRON-D	2100		25	UG/L	METALS	09-Jul-97
1MW101D972	LEAD	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW101D972	LEAD-D	2.9		2.0	UG/L	METALS	09-Jul-97
1MW101D972	MAGNESIUM	36000		32	UG/L	METALS	09-Jul-97
1MW101D972	MAGNESIUM-D	36000		32	UG/L	METALS	09-Jul-97
1MW101D972	MANGANESE	150		2.0	UG/L	METALS	09-Jul-97
1MW101D972	MANGANESE-D	150		2.0	UG/L	METALS	09-Jul-97
1MW101D972	MERCURY	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW101D972	MERCURY-D	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW101D972	NICKEL	20	U	20	UG/L	METALS	09-Jul-97
1MW101D972	NICKEL-D	20	U	20	UG/L	METALS	09-Jul-97
1MW101D972	POTASSIUM	1700		600	UG/L	METALS	09-Jul-97
1MW101D972	POTASSIUM-D	1800		600	UG/L	METALS	09-Jul-97
1MW101D972	SELENIUM	6.5		5.0	UG/L	METALS	09-Jul-97
1MW101D972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	SILVER	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	SILVER-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	SODIUM	9900		29	UG/L	METALS	09-Jul-97
1MW101D972	SODIUM-D	9800		29	UG/L	METALS	09-Jul-97
1MW101D972	THALLIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	VANADIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101D972	ZINC	5.4		4.0	UG/L	METALS	09-Jul-97
1MW101D972	ZINC-D	13		4.0	UG/L	METALS	09-Jul-97
1MW101D972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101D972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,4-DINITROPHENOL	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	2-NITROANILINE	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	2-NITROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	09-Jul-97
1MW101D972	3-NITROANILINE	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	4,6-DINITRO-2-METHYLPHENOL	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	09-Jul-97
1MW101D972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	4-NITROANILINE	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	4-NITROPHENOL	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	ACENAPHTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BENZOIC ACID	55	U	55	UG/L	SVOC	09-Jul-97
1MW101D972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BIS(2-ETHYLHEXYL)PHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	CHRYSENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	DIBENZOFURAN	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	FLUORENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	ISOPHORONE	11	U	11	UG/L	SVOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101D972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	NAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	NITROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	09-Jul-97
1MW101D972	PHENANTHRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	PHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW101D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	ACETONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	BENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	STYRENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	TOLUENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	ALKALINITY, BICARBONATE (AS CACO3)	387		5.0	MG/L	GENCHEM	09-Jul-97
1MW101S972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	09-Jul-97
1MW101S972	ALKALINITY, TOTAL (AS CaCO3)	387		5.0	MG/L	GENCHEM	09-Jul-97
1MW101S972	CHLORIDE (AS CL)	5.88		0.5	MG/L	GENCHEM	09-Jul-97
1MW101S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW101S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW101S972	SULFATE (AS SO4)	75.8		10	MG/L	GENCHEM	09-Jul-97
1MW101S972	TOTAL ORGANIC CARBON	3.5		1.0	MG/L	GENCHEM	09-Jul-97
1MW101S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	09-Jul-97
1MW101S972	ALUMINUM	2200		25	UG/L	METALS	09-Jul-97
1MW101S972	ALUMINUM-D	46		25	UG/L	METALS	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101S972	ANTIMONY	40	U	40	UG/L	METALS	09-Jul-97
1MW101S972	ANTIMONY-D	40	U	40	UG/L	METALS	09-Jul-97
1MW101S972	ARSENIC	8.7		5.0	UG/L	METALS	09-Jul-97
1MW101S972	ARSENIC-D	19		5.0	UG/L	METALS	09-Jul-97
1MW101S972	BARIUM	180		5.0	UG/L	METALS	09-Jul-97
1MW101S972	BARIUM-D	180		5.0	UG/L	METALS	09-Jul-97
1MW101S972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW101S972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW101S972	CADMIUM	14		5.0	UG/L	METALS	09-Jul-97
1MW101S972	CADMIUM-D	19		5.0	UG/L	METALS	09-Jul-97
1MW101S972	CALCIUM	100000		38	UG/L	METALS	09-Jul-97
1MW101S972	CALCIUM-D	97000		38	UG/L	METALS	09-Jul-97
1MW101S972	CHROMIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	COBALT	10	U	10	UG/L	METALS	09-Jul-97
1MW101S972	COBALT-D	10	U	10	UG/L	METALS	09-Jul-97
1MW101S972	COPPER	9.6		3.0	UG/L	METALS	09-Jul-97
1MW101S972	COPPER-D	6.3		3.0	UG/L	METALS	09-Jul-97
1MW101S972	IRON	7400		25	UG/L	METALS	09-Jul-97
1MW101S972	IRON-D	4300		25	UG/L	METALS	09-Jul-97
1MW101S972	LEAD	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW101S972	LEAD-D	4.3		2.0	UG/L	METALS	09-Jul-97
1MW101S972	MAGNESIUM	42000		32	UG/L	METALS	09-Jul-97
1MW101S972	MAGNESIUM-D	42000		32	UG/L	METALS	09-Jul-97
1MW101S972	MANGANESE	230		2.0	UG/L	METALS	09-Jul-97
1MW101S972	MANGANESE-D	140		2.0	UG/L	METALS	09-Jul-97
1MW101S972	MERCURY	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW101S972	MERCURY-D	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW101S972	NICKEL	20	U	20	UG/L	METALS	09-Jul-97
1MW101S972	NICKEL-D	20	U	20	UG/L	METALS	09-Jul-97
1MW101S972	POTASSIUM	1200		600	UG/L	METALS	09-Jul-97
1MW101S972	POTASSIUM-D	980		600	UG/L	METALS	09-Jul-97
1MW101S972	SELENIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	SILVER	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	SILVER-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	SODIUM	23000		29	UG/L	METALS	09-Jul-97
1MW101S972	SODIUM-D	21000		29	UG/L	METALS	09-Jul-97
1MW101S972	THALLIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	VANADIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW101S972	ZINC	23		4.0	UG/L	METALS	09-Jul-97
1MW101S972	ZINC-D	13		4.0	UG/L	METALS	09-Jul-97
1MW101S972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101S972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	2-NITROANILINE	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	2-NITROPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	09-Jul-97
1MW101S972	3-NITROANILINE	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	09-Jul-97
1MW101S972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	4-NITROANILINE	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	4-NITROPHENOL	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	ACENAPHTHENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	ANTHRACENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BENZOIC ACID	50	U	50	UG/L	SVOC	09-Jul-97
1MW101S972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	CHRYSENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	DIBENZOFURAN	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	FLUORANTHENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	FLUORENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	ISOPHORONE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	NAPHTHALENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	NITROBENZENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	09-Jul-97
1MW101S972	PHENANTHRENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	PHENOL	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	PYRENE	10	U	10	UG/L	SVOC	09-Jul-97
1MW101S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	ACETONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	BENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CIS-1,2-DICHLOROETHENE	29	E	1.0	UG/L	VOC	09-Jul-97
1MW101S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	STYRENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	TOLUENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	TRANS-1,2-DICHLOROETHENE	4.1		1.0	UG/L	VOC	09-Jul-97
1MW101S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972	VINYL CHLORIDE	14		1.0	UG/L	VOC	09-Jul-97
1MW101S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW101S972DL	1,1,1-TRICHLOROETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,1,2,2-TETRACHLOROETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,1,2-TRICHLOROETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,1-DICHLOROETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,1-DICHLOROETHENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,1-DICHLOROPROPENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,2-DICHLOROETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	1,2-DICHLOROPROPANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	2-BUTANONE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	2-HEXANONE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	4-METHYL-2-PENTANONE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	ACETONE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	BENZENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	BROMODICHLOROMETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	BROMOFORM	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	BROMOMETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CARBON DISULFIDE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CARBON TETRACHLORIDE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CHLOROBENZENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CHLOROETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CHLOROFORM	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CHLOROMETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW101S972DL	CIS-1,2-DICHLOROETHENE	24	D	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	CIS-1,3-DICHLOROPROPENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	DIBROMOCHLOROMETHANE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	ETHYLBENZENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	M&P-XYLENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	METHYLENE CHLORIDE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	O-XYLENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	STYRENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	TETRACHLOROETHENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	TOLUENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	TRANS-1,2-DICHLOROETHENE	3.1	D	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	TRANS-1,3-DICHLOROPROPENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	TRICHLOROETHENE	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	VINYL CHLORIDE	11	D	2.5	UG/L	VOC	09-Jul-97
1MW101S972DL	XYLENE (TOTAL)	2.5	U	2.5	UG/L	VOC	09-Jul-97
1MW102S972	ALKALINITY, BICARBONATE (AS CACO3)	405		5.0	MG/L	GENCHEM	09-Jul-97
1MW102S972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	09-Jul-97
1MW102S972	ALKALINITY, TOTAL (AS CaCO3)	405		5.0	MG/L	GENCHEM	09-Jul-97
1MW102S972	CHLORIDE (AS CL)	2.03		0.5	MG/L	GENCHEM	09-Jul-97
1MW102S972	NITROGEN, NITRATE (AS N)	0.115		0.1	MG/L	GENCHEM	09-Jul-97
1MW102S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW102S972	SULFATE (AS SO4)	42.8		1.0	MG/L	GENCHEM	09-Jul-97
1MW102S972	TOTAL ORGANIC CARBON	4.6		1.0	MG/L	GENCHEM	09-Jul-97
1MW102S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	09-Jul-97
1MW102S972	ALUMINUM	150		25	UG/L	METALS	09-Jul-97
1MW102S972	ALUMINUM-D	110		25	UG/L	METALS	09-Jul-97
1MW102S972	ANTIMONY	40	U	40	UG/L	METALS	09-Jul-97
1MW102S972	ANTIMONY-D	40	U	40	UG/L	METALS	09-Jul-97
1MW102S972	ARSENIC	7.8		5.0	UG/L	METALS	09-Jul-97
1MW102S972	ARSENIC-D	14		5.0	UG/L	METALS	09-Jul-97
1MW102S972	BARIUM	270		5.0	UG/L	METALS	09-Jul-97
1MW102S972	BARIUM-D	260		5.0	UG/L	METALS	09-Jul-97
1MW102S972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102S972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102S972	CADMIUM	17		5.0	UG/L	METALS	09-Jul-97
1MW102S972	CADMIUM-D	16		5.0	UG/L	METALS	09-Jul-97
1MW102S972	CALCIUM	110000		38	UG/L	METALS	09-Jul-97
1MW102S972	CALCIUM-D	110000		38	UG/L	METALS	09-Jul-97
1MW102S972	CHROMIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	COBALT	10	U	10	UG/L	METALS	09-Jul-97
1MW102S972	COBALT-D	10	U	10	UG/L	METALS	09-Jul-97
1MW102S972	COPPER	5.3		3.0	UG/L	METALS	09-Jul-97
1MW102S972	COPPER-D	7.7		3.0	UG/L	METALS	09-Jul-97
1MW102S972	IRON	5700		25	UG/L	METALS	09-Jul-97
1MW102S972	IRON-D	5700		25	UG/L	METALS	09-Jul-97
1MW102S972	LEAD	2.1		2.0	UG/L	METALS	09-Jul-97
1MW102S972	LEAD-D	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102S972	MAGNESIUM	33000		32	UG/L	METALS	09-Jul-97
1MW102S972	MAGNESIUM-D	34000		32	UG/L	METALS	09-Jul-97
1MW102S972	MANGANESE	520		2.0	UG/L	METALS	09-Jul-97
1MW102S972	MANGANESE-D	540		2.0	UG/L	METALS	09-Jul-97
1MW102S972	MERCURY	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW102S972	MERCURY-D	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW102S972	NICKEL	20	U	20	UG/L	METALS	09-Jul-97
1MW102S972	NICKEL-D	20	U	20	UG/L	METALS	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW102S972	POTASSIUM	600	U	600	UG/L	METALS	09-Jul-97
1MW102S972	POTASSIUM-D	1200		600	UG/L	METALS	09-Jul-97
1MW102S972	SELENIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	SILVER	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	SILVER-D	19		5.0	UG/L	METALS	09-Jul-97
1MW102S972	SODIUM	10000		29	UG/L	METALS	09-Jul-97
1MW102S972	SODIUM-D	10000		29	UG/L	METALS	09-Jul-97
1MW102S972	THALLIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	VANADIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102S972	ZINC	16		4.0	UG/L	METALS	09-Jul-97
1MW102S972	ZINC-D	18		4.0	UG/L	METALS	09-Jul-97
1MW102S972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,4-DINITROPHENOL	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	2-NITROANILINE	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	2-NITROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	09-Jul-97
1MW102S972	3-NITROANILINE	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	4,6-DINITRO-2-METHYLPHENOL	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	09-Jul-97
1MW102S972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	4-NITROANILINE	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	4-NITROPHENOL	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	ACENAPHTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BENZOIC ACID	56	U	56	UG/L	SVOC	09-Jul-97
1MW102S972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BIS(2-ETHYLHEXYL)PHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW102S972	CHRYSENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	DIBENZOFURAN	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	FLUORENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	ISOPHORONE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	NAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	NITROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	09-Jul-97
1MW102S972	PHENANTHRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	PHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	ACETONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	BENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	STYRENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	TOLUENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW102S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	ALKALINITY, BICARBONATE (AS CACO3)	392		5.0	MG/L	GENCHEM	09-Jul-97
1MW102D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	09-Jul-97
1MW102D972	ALKALINITY, TOTAL (AS CaCO3)	392		5.0	MG/L	GENCHEM	09-Jul-97
1MW102D972	CHLORIDE (AS CL)	10.6		5.0	MG/L	GENCHEM	09-Jul-97
1MW102D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW102D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	09-Jul-97
1MW102D972	SULFATE (AS SO4)	66.8		10	MG/L	GENCHEM	09-Jul-97
1MW102D972	TOTAL ORGANIC CARBON	3.1		1.0	MG/L	GENCHEM	09-Jul-97
1MW102D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	09-Jul-97
1MW102D972	ALUMINUM	150		25	UG/L	METALS	09-Jul-97
1MW102D972	ALUMINUM-D	47		25	UG/L	METALS	09-Jul-97
1MW102D972	ANTIMONY	40	U	40	UG/L	METALS	09-Jul-97
1MW102D972	ANTIMONY-D	40	U	40	UG/L	METALS	09-Jul-97
1MW102D972	ARSENIC	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	BARIUM	180		5.0	UG/L	METALS	09-Jul-97
1MW102D972	BARIUM-D	180		5.0	UG/L	METALS	09-Jul-97
1MW102D972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102D972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102D972	CADMIUM	11		5.0	UG/L	METALS	09-Jul-97
1MW102D972	CADMIUM-D	12		5.0	UG/L	METALS	09-Jul-97
1MW102D972	CALCIUM	110000		38	UG/L	METALS	09-Jul-97
1MW102D972	CALCIUM-D	120000		38	UG/L	METALS	09-Jul-97
1MW102D972	CHROMIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	COBALT	10	U	10	UG/L	METALS	09-Jul-97
1MW102D972	COBALT-D	10	U	10	UG/L	METALS	09-Jul-97
1MW102D972	COPPER	4.4		3.0	UG/L	METALS	09-Jul-97
1MW102D972	COPPER-D	3.4		3.0	UG/L	METALS	09-Jul-97
1MW102D972	IRON	2900		25	UG/L	METALS	09-Jul-97
1MW102D972	IRON-D	3000		25	UG/L	METALS	09-Jul-97
1MW102D972	LEAD	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102D972	LEAD-D	2.0	U	2.0	UG/L	METALS	09-Jul-97
1MW102D972	MAGNESIUM	39000		32	UG/L	METALS	09-Jul-97
1MW102D972	MAGNESIUM-D	40000		32	UG/L	METALS	09-Jul-97
1MW102D972	MANGANESE	140		2.0	UG/L	METALS	09-Jul-97
1MW102D972	MANGANESE-D	130		2.0	UG/L	METALS	09-Jul-97
1MW102D972	MERCURY	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW102D972	MERCURY-D	0.20	U	0.20	UG/L	METALS	09-Jul-97
1MW102D972	NICKEL	20	U	20	UG/L	METALS	09-Jul-97
1MW102D972	NICKEL-D	20	U	20	UG/L	METALS	09-Jul-97
1MW102D972	POTASSIUM	1100		600	UG/L	METALS	09-Jul-97
1MW102D972	POTASSIUM-D	1800		600	UG/L	METALS	09-Jul-97
1MW102D972	SELENIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	SILVER	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	SILVER-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	SODIUM	9300		29	UG/L	METALS	09-Jul-97
1MW102D972	SODIUM-D	9400		29	UG/L	METALS	09-Jul-97
1MW102D972	THALLIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	VANADIUM	5.0	U	5.0	UG/L	METALS	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW102D972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	09-Jul-97
1MW102D972	ZINC	15		4.0	UG/L	METALS	09-Jul-97
1MW102D972	ZINC-D	12		4.0	UG/L	METALS	09-Jul-97
1MW102D972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,4-DINITROPHENOL	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	2-NITROANILINE	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	2-NITROPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	09-Jul-97
1MW102D972	3-NITROANILINE	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	4,6-DINITRO-2-METHYLPHENOL	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	09-Jul-97
1MW102D972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	4-NITROANILINE	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	4-NITROPHENOL	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	ACENAPHTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BENZOIC ACID	54	U	54	UG/L	SVOC	09-Jul-97
1MW102D972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BIS(2-ETHYLHEXYL)PHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	CHRYSENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	DIBENZOFURAN	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	FLUORANTHENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	FLUORENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	09-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW102D972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	ISOPHORONE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	NAPHTHALENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	NITROBENZENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	09-Jul-97
1MW102D972	PHENANTHRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	PHENOL	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	PYRENE	11	U	11	UG/L	SVOC	09-Jul-97
1MW102D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	ACETONE	9.0	B	1.0	UG/L	VOC	09-Jul-97
1MW102D972	BENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	STYRENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	TOLUENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW102D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	09-Jul-97
1MW103D972	ALKALINITY, BICARBONATE (AS CACO3)	402		5.0	MG/L	GENCHEM	10-Jul-97
1MW103D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	10-Jul-97
1MW103D972	ALKALINITY, TOTAL (AS CaCO3)	402		5.0	MG/L	GENCHEM	10-Jul-97
1MW103D972	CHLORIDE (AS CL)	9.92		0.5	MG/L	GENCHEM	10-Jul-97
1MW103D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW103D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW103D972	SULFATE (AS SO4)	52.1		10	MG/L	GENCHEM	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW103D972	TOTAL ORGANIC CARBON	2.6		1.0	MG/L	GENCHEM	10-Jul-97
1MW103D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	10-Jul-97
1MW103D972	ALUMINUM	72		25	UG/L	METALS	10-Jul-97
1MW103D972	ALUMINUM-D	89		25	UG/L	METALS	10-Jul-97
1MW103D972	ANTIMONY	40	U	40	UG/L	METALS	10-Jul-97
1MW103D972	ANTIMONY-D	40	U	40	UG/L	METALS	10-Jul-97
1MW103D972	ARSENIC	9.9		5.0	UG/L	METALS	10-Jul-97
1MW103D972	ARSENIC-D	14		5.0	UG/L	METALS	10-Jul-97
1MW103D972	BARIUM	200		5.0	UG/L	METALS	10-Jul-97
1MW103D972	BARIUM-D	200		5.0	UG/L	METALS	10-Jul-97
1MW103D972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW103D972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW103D972	CADMIUM	17		5.0	UG/L	METALS	10-Jul-97
1MW103D972	CADMIUM-D	11		5.0	UG/L	METALS	10-Jul-97
1MW103D972	CALCIUM	120000		38	UG/L	METALS	10-Jul-97
1MW103D972	CALCIUM-D	110000		38	UG/L	METALS	10-Jul-97
1MW103D972	CHROMIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	COBALT	10	U	10	UG/L	METALS	10-Jul-97
1MW103D972	COBALT-D	10	U	10	UG/L	METALS	10-Jul-97
1MW103D972	COPPER	4.6		3.0	UG/L	METALS	10-Jul-97
1MW103D972	COPPER-D	5.3		3.0	UG/L	METALS	10-Jul-97
1MW103D972	IRON	1900		25	UG/L	METALS	10-Jul-97
1MW103D972	IRON-D	1900		25	UG/L	METALS	10-Jul-97
1MW103D972	LEAD	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW103D972	LEAD-D	2.9		2.0	UG/L	METALS	10-Jul-97
1MW103D972	MAGNESIUM	38000		32	UG/L	METALS	10-Jul-97
1MW103D972	MAGNESIUM-D	37000		32	UG/L	METALS	10-Jul-97
1MW103D972	MANGANESE	130		2.0	UG/L	METALS	10-Jul-97
1MW103D972	MANGANESE-D	130		2.0	UG/L	METALS	10-Jul-97
1MW103D972	MERCURY	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW103D972	MERCURY-D	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW103D972	NICKEL	20	U	20	UG/L	METALS	10-Jul-97
1MW103D972	NICKEL-D	20	U	20	UG/L	METALS	10-Jul-97
1MW103D972	POTASSIUM	1500		600	UG/L	METALS	10-Jul-97
1MW103D972	POTASSIUM-D	1500		600	UG/L	METALS	10-Jul-97
1MW103D972	SELENIUM	6.4		5.0	UG/L	METALS	10-Jul-97
1MW103D972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	SILVER	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	SILVER-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	SODIUM	7800		29	UG/L	METALS	10-Jul-97
1MW103D972	SODIUM-D	7900		29	UG/L	METALS	10-Jul-97
1MW103D972	THALLIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	VANADIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103D972	ZINC	14		4.0	UG/L	METALS	10-Jul-97
1MW103D972	ZINC-D	13		4.0	UG/L	METALS	10-Jul-97
1MW103D972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW103D972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2,4-DINITROPHENOL	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	2-NITROANILINE	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	2-NITROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	10-Jul-97
1MW103D972	3-NITROANILINE	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	4,6-DINITRO-2-METHYLPHENOL	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	10-Jul-97
1MW103D972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	4-NITROANILINE	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	4-NITROPHENOL	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	ACENAPHTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	ANTHRACENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BENZOIC ACID	55	U	55	UG/L	SVOC	10-Jul-97
1MW103D972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BIS(2-ETHYLHEXYL)PHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	CHRYSENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	DIBENZOFURAN	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	FLUORANTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	FLUORENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	ISOPHORONE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	NAPHTHALENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	NITROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	10-Jul-97
1MW103D972	PHENANTHRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	PHENOL	11	U	11	UG/L	SVOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW103D972	PYRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	ACETONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	BENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	STYRENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	TOLUENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	ALKALINITY, BICARBONATE (AS CACO3)	322		5.0	MG/L	GENCHEM	10-Jul-97
1MW103S972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	10-Jul-97
1MW103S972	ALKALINITY, TOTAL (AS CaCO3)	322		5.0	MG/L	GENCHEM	10-Jul-97
1MW103S972	CHLORIDE (AS CL)	3.3		0.5	MG/L	GENCHEM	10-Jul-97
1MW103S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW103S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW103S972	SULFATE (AS SO4)	38.5		1.0	MG/L	GENCHEM	10-Jul-97
1MW103S972	TOTAL ORGANIC CARBON	2.5		1.0	MG/L	GENCHEM	10-Jul-97
1MW103S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	10-Jul-97
1MW103S972	ALUMINUM	81		25	UG/L	METALS	10-Jul-97
1MW103S972	ALUMINUM-D	41		25	UG/L	METALS	10-Jul-97
1MW103S972	ANTIMONY	40	U	40	UG/L	METALS	10-Jul-97
1MW103S972	ANTIMONY-D	40	U	40	UG/L	METALS	10-Jul-97
1MW103S972	ARSENIC	6.6		5.0	UG/L	METALS	10-Jul-97
1MW103S972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	BARIUM	94		5.0	UG/L	METALS	10-Jul-97
1MW103S972	BARIUM-D	94		5.0	UG/L	METALS	10-Jul-97
1MW103S972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW103S972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW103S972	CADMIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	CADMIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	CALCIUM	90000		38	UG/L	METALS	10-Jul-97
1MW103S972	CALCIUM-D	90000		38	UG/L	METALS	10-Jul-97
1MW103S972	CHROMIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	COBALT	10	U	10	UG/L	METALS	10-Jul-97
1MW103S972	COBALT-D	10	U	10	UG/L	METALS	10-Jul-97
1MW103S972	COPPER	5.3		3.0	UG/L	METALS	10-Jul-97
1MW103S972	COPPER-D	4.8		3.0	UG/L	METALS	10-Jul-97
1MW103S972	IRON	1500		25	UG/L	METALS	10-Jul-97
1MW103S972	IRON-D	1400		25	UG/L	METALS	10-Jul-97
1MW103S972	LEAD	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW103S972	LEAD-D	3.3		2.0	UG/L	METALS	10-Jul-97
1MW103S972	MAGNESIUM	30000		32	UG/L	METALS	10-Jul-97
1MW103S972	MAGNESIUM-D	30000		32	UG/L	METALS	10-Jul-97
1MW103S972	MANGANESE	170		2.0	UG/L	METALS	10-Jul-97
1MW103S972	MANGANESE-D	170		2.0	UG/L	METALS	10-Jul-97
1MW103S972	MERCURY	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW103S972	MERCURY-D	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW103S972	NICKEL	20	U	20	UG/L	METALS	10-Jul-97
1MW103S972	NICKEL-D	20	U	20	UG/L	METALS	10-Jul-97
1MW103S972	POTASSIUM	1100		600	UG/L	METALS	10-Jul-97
1MW103S972	POTASSIUM-D	1300		600	UG/L	METALS	10-Jul-97
1MW103S972	SELENIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	SILVER	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	SILVER-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	SODIUM	5000		29	UG/L	METALS	10-Jul-97
1MW103S972	SODIUM-D	5000		29	UG/L	METALS	10-Jul-97
1MW103S972	THALLIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	VANADIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW103S972	ZINC	13		4.0	UG/L	METALS	10-Jul-97
1MW103S972	ZINC-D	12		4.0	UG/L	METALS	10-Jul-97
1MW103S972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,4-DINITROPHENOL	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	2-NITROANILINE	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	2-NITROPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW103S972	3-NITROANILINE	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	4,6-DINITRO-2-METHYLPHENOL	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	10-Jul-97
1MW103S972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	4-NITROANILINE	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	4-NITROPHENOL	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	ACENAPHTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	ANTHRACENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BENZOIC ACID	56	U	56	UG/L	SVOC	10-Jul-97
1MW103S972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BIS(2-ETHYLHEXYL)PHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	CHRYSENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	DIBENZOFURAN	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	FLUORANTHENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	FLUORENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	ISOPHORONE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	NAPHTHALENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	NITROBENZENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	10-Jul-97
1MW103S972	PHENANTHRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	PHENOL	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	PYRENE	11	U	11	UG/L	SVOC	10-Jul-97
1MW103S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW103S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	ACETONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	BENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	STYRENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	TOLUENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW103S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	ALKALINITY, BICARBONATE (AS CACO3)	371		5.0	MG/L	GENCHEM	10-Jul-97
1MW104D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	10-Jul-97
1MW104D972	ALKALINITY, TOTAL (AS CaCO3)	371		5.0	MG/L	GENCHEM	10-Jul-97
1MW104D972	CHLORIDE (AS CL)	6.61		0.5	MG/L	GENCHEM	10-Jul-97
1MW104D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW104D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW104D972	SULFATE (AS SO4)	48.7		10	MG/L	GENCHEM	10-Jul-97
1MW104D972	TOTAL ORGANIC CARBON	2.9		1.0	MG/L	GENCHEM	10-Jul-97
1MW104D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	10-Jul-97
1MW104D972	ALUMINUM	130		25	UG/L	METALS	10-Jul-97
1MW104D972	ALUMINUM-D	40		25	UG/L	METALS	10-Jul-97
1MW104D972	ANTIMONY	40	U	40	UG/L	METALS	10-Jul-97
1MW104D972	ANTIMONY-D	40	U	40	UG/L	METALS	10-Jul-97
1MW104D972	ARSENIC	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	ARSENIC-D	6.6		5.0	UG/L	METALS	10-Jul-97
1MW104D972	BARIUM	140		5.0	UG/L	METALS	10-Jul-97
1MW104D972	BARIUM-D	140		5.0	UG/L	METALS	10-Jul-97
1MW104D972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW104D972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW104D972	CADMIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	CADMIUM-D	19		5.0	UG/L	METALS	10-Jul-97
1MW104D972	CALCIUM	110000		38	UG/L	METALS	10-Jul-97
1MW104D972	CALCIUM-D	110000		38	UG/L	METALS	10-Jul-97
1MW104D972	CHROMIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	COBALT	10	U	10	UG/L	METALS	10-Jul-97
1MW104D972	COBALT-D	10	U	10	UG/L	METALS	10-Jul-97
1MW104D972	COPPER	5.3		3.0	UG/L	METALS	10-Jul-97
1MW104D972	COPPER-D	3.0		3.0	UG/L	METALS	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW104D972	IRON	1400		25	UG/L	METALS	10-Jul-97
1MW104D972	IRON-D	1200		25	UG/L	METALS	10-Jul-97
1MW104D972	LEAD	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW104D972	LEAD-D	4.2		2.0	UG/L	METALS	10-Jul-97
1MW104D972	MAGNESIUM	36000		32	UG/L	METALS	10-Jul-97
1MW104D972	MAGNESIUM-D	36000		32	UG/L	METALS	10-Jul-97
1MW104D972	MANGANESE	190		2.0	UG/L	METALS	10-Jul-97
1MW104D972	MANGANESE-D	190		2.0	UG/L	METALS	10-Jul-97
1MW104D972	MERCURY	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW104D972	MERCURY-D	0.77		0.20	UG/L	METALS	10-Jul-97
1MW104D972	NICKEL	20	U	20	UG/L	METALS	10-Jul-97
1MW104D972	NICKEL-D	20	U	20	UG/L	METALS	10-Jul-97
1MW104D972	POTASSIUM	1500		600	UG/L	METALS	10-Jul-97
1MW104D972	POTASSIUM-D	2300		600	UG/L	METALS	10-Jul-97
1MW104D972	SELENIUM	5.2		5.0	UG/L	METALS	10-Jul-97
1MW104D972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	SILVER	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	SILVER-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	SODIUM	9000		29	UG/L	METALS	10-Jul-97
1MW104D972	SODIUM-D	9500		29	UG/L	METALS	10-Jul-97
1MW104D972	THALLIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	VANADIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW104D972	ZINC	15		4.0	UG/L	METALS	10-Jul-97
1MW104D972	ZINC-D	22		4.0	UG/L	METALS	10-Jul-97
1MW104D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	2-NITROANILINE	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	10-Jul-97
1MW104D972	3-NITROANILINE	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	10-Jul-97
1MW104D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	4-NITROANILINE	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW104D972	ANTHRACENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BENZOIC ACID	50	U	50	UG/L	SVOC	10-Jul-97
1MW104D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	CHRYSENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	FLUORANTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	FLUORENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	ISOPHORONE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	NAPHTHALENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	NITROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	10-Jul-97
1MW104D972	PHENANTHRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	PHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	PYRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW104D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	ACETONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	BENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW104D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	STYRENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	TOLUENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW104D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW105D972	ALKALINITY, BICARBONATE (AS CACO3)	364		5.0	MG/L	GENCHEM	11-Jul-97
1MW105D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	11-Jul-97
1MW105D972	ALKALINITY, TOTAL (AS CaCO3)	364		5.0	MG/L	GENCHEM	11-Jul-97
1MW105D972	CHLORIDE (AS CL)	12.8		5.0	MG/L	GENCHEM	11-Jul-97
1MW105D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	11-Jul-97
1MW105D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	11-Jul-97
1MW105D972	SULFATE (AS SO4)	51.6		10	MG/L	GENCHEM	11-Jul-97
1MW105D972	TOTAL ORGANIC CARBON	5.4		1.0	MG/L	GENCHEM	11-Jul-97
1MW105D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	11-Jul-97
1MW105D972	ALUMINUM	90		25	UG/L	METALS	11-Jul-97
1MW105D972	ALUMINUM-D	40		25	UG/L	METALS	11-Jul-97
1MW105D972	ANTIMONY	40	U	40	UG/L	METALS	11-Jul-97
1MW105D972	ANTIMONY-D	40	U	40	UG/L	METALS	11-Jul-97
1MW105D972	ARSENIC	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	ARSENIC-D	6.9		5.0	UG/L	METALS	11-Jul-97
1MW105D972	BARIUM	170		5.0	UG/L	METALS	11-Jul-97
1MW105D972	BARIUM-D	180		5.0	UG/L	METALS	11-Jul-97
1MW105D972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	11-Jul-97
1MW105D972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	11-Jul-97
1MW105D972	CADMIUM	34		5.0	UG/L	METALS	11-Jul-97
1MW105D972	CADMIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	CALCIUM	110000		38	UG/L	METALS	11-Jul-97
1MW105D972	CALCIUM-D	110000		38	UG/L	METALS	11-Jul-97
1MW105D972	CHROMIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	COBALT	10	U	10	UG/L	METALS	11-Jul-97
1MW105D972	COBALT-D	10	U	10	UG/L	METALS	11-Jul-97
1MW105D972	COPPER	3.9		3.0	UG/L	METALS	11-Jul-97
1MW105D972	COPPER-D	6.2		3.0	UG/L	METALS	11-Jul-97
1MW105D972	IRON	2600		25	UG/L	METALS	11-Jul-97
1MW105D972	IRON-D	2500		25	UG/L	METALS	11-Jul-97
1MW105D972	LEAD	2.0	U	2.0	UG/L	METALS	11-Jul-97
1MW105D972	LEAD-D	2.1		2.0	UG/L	METALS	11-Jul-97
1MW105D972	MAGNESIUM	36000		32	UG/L	METALS	11-Jul-97
1MW105D972	MAGNESIUM-D	36000		32	UG/L	METALS	11-Jul-97
1MW105D972	MANGANESE	130		2.0	UG/L	METALS	11-Jul-97
1MW105D972	MANGANESE-D	130		2.0	UG/L	METALS	11-Jul-97
1MW105D972	MERCURY	0.32		0.20	UG/L	METALS	11-Jul-97
1MW105D972	MERCURY-D	0.20	U	0.20	UG/L	METALS	11-Jul-97
1MW105D972	NICKEL	20	U	20	UG/L	METALS	11-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW105D972	NICKEL-D	20	U	20	UG/L	METALS	11-Jul-97
1MW105D972	POTASSIUM	1500		600	UG/L	METALS	11-Jul-97
1MW105D972	POTASSIUM-D	2100		600	UG/L	METALS	11-Jul-97
1MW105D972	SELENIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	SILVER	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	SILVER-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	SODIUM	9000		29	UG/L	METALS	11-Jul-97
1MW105D972	SODIUM-D	9200		29	UG/L	METALS	11-Jul-97
1MW105D972	THALLIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	VANADIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105D972	ZINC	14		4.0	UG/L	METALS	11-Jul-97
1MW105D972	ZINC-D	13		4.0	UG/L	METALS	11-Jul-97
1MW105D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	2-NITROANILINE	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	11-Jul-97
1MW105D972	3-NITROANILINE	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	11-Jul-97
1MW105D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	4-NITROANILINE	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	ANTHRACENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BENZOIC ACID	50	U	50	UG/L	SVOC	11-Jul-97
1MW105D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	BIS(2-ETHYLHEXYL)PHTHALATE	22	B	10	UG/L	SVOC	11-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW105D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	CHRYSENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	DI-N-OCTYLPHTHALATE	4	J	10	UG/L	SVOC	11-Jul-97
1MW105D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	FLUORANTHENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	FLUORENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	ISOPHORONE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	NAPHTHALENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	NITROBENZENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	11-Jul-97
1MW105D972	PHENANTHRENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	PHENOL	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	PYRENE	10	U	10	UG/L	SVOC	11-Jul-97
1MW105D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	ACETONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	BENZENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	STYRENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	TOLUENE	1.0	U	1.0	UG/L	VOC	11-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW105D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	ALKALINITY, BICARBONATE (AS CACO3)	395		5.0	MG/L	GENCHEM	11-Jul-97
1MW105S972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	11-Jul-97
1MW105S972	ALKALINITY, TOTAL (AS CaCO3)	395		5.0	MG/L	GENCHEM	11-Jul-97
1MW105S972	CHLORIDE (AS CL)	9.02		0.5	MG/L	GENCHEM	11-Jul-97
1MW105S972	NITROGEN, NITRATE (AS N)	0.119		0.1	MG/L	GENCHEM	11-Jul-97
1MW105S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	11-Jul-97
1MW105S972	SULFATE (AS SO4)	34.8		1.0	MG/L	GENCHEM	11-Jul-97
1MW105S972	TOTAL ORGANIC CARBON	6.5		1.0	MG/L	GENCHEM	11-Jul-97
1MW105S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	11-Jul-97
1MW105S972	ALUMINUM	99		25	UG/L	METALS	11-Jul-97
1MW105S972	ALUMINUM-D	51		25	UG/L	METALS	11-Jul-97
1MW105S972	ANTIMONY	40	U	40	UG/L	METALS	11-Jul-97
1MW105S972	ANTIMONY-D	40	U	40	UG/L	METALS	11-Jul-97
1MW105S972	ARSENIC	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	ARSENIC-D	6.9		5.0	UG/L	METALS	11-Jul-97
1MW105S972	BARIUM	360		5.0	UG/L	METALS	11-Jul-97
1MW105S972	BARIUM-D	360		5.0	UG/L	METALS	11-Jul-97
1MW105S972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	11-Jul-97
1MW105S972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	11-Jul-97
1MW105S972	CADMIUM	9.7		5.0	UG/L	METALS	11-Jul-97
1MW105S972	CADMIUM-D	8.4		5.0	UG/L	METALS	11-Jul-97
1MW105S972	CALCIUM	100000		38	UG/L	METALS	11-Jul-97
1MW105S972	CALCIUM-D	100000		38	UG/L	METALS	11-Jul-97
1MW105S972	CHROMIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	COBALT	10	U	10	UG/L	METALS	11-Jul-97
1MW105S972	COBALT-D	10	U	10	UG/L	METALS	11-Jul-97
1MW105S972	COPPER	4.6		3.0	UG/L	METALS	11-Jul-97
1MW105S972	COPPER-D	5.4		3.0	UG/L	METALS	11-Jul-97
1MW105S972	IRON	2600		25	UG/L	METALS	11-Jul-97
1MW105S972	IRON-D	2700		25	UG/L	METALS	11-Jul-97
1MW105S972	LEAD	2.0	U	2.0	UG/L	METALS	11-Jul-97
1MW105S972	LEAD-D	2.8		2.0	UG/L	METALS	11-Jul-97
1MW105S972	MAGNESIUM	42000		32	UG/L	METALS	11-Jul-97
1MW105S972	MAGNESIUM-D	42000		32	UG/L	METALS	11-Jul-97
1MW105S972	MANGANESE	230		2.0	UG/L	METALS	11-Jul-97
1MW105S972	MANGANESE-D	220		2.0	UG/L	METALS	11-Jul-97
1MW105S972	MERCURY	0.20	U	0.20	UG/L	METALS	11-Jul-97
1MW105S972	MERCURY-D	0.20	U	0.20	UG/L	METALS	11-Jul-97
1MW105S972	NICKEL	20	U	20	UG/L	METALS	11-Jul-97
1MW105S972	NICKEL-D	20	U	20	UG/L	METALS	11-Jul-97
1MW105S972	POTASSIUM	1300		600	UG/L	METALS	11-Jul-97
1MW105S972	POTASSIUM-D	1500		600	UG/L	METALS	11-Jul-97
1MW105S972	SELENIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	SELENIUM-D	5.4		5.0	UG/L	METALS	11-Jul-97
1MW105S972	SILVER	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	SILVER-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	SODIUM	6900		29	UG/L	METALS	11-Jul-97
1MW105S972	SODIUM-D	7000		29	UG/L	METALS	11-Jul-97
1MW105S972	THALLIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW105S972	VANADIUM	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	11-Jul-97
1MW105S972	ZINC	15		4.0	UG/L	METALS	11-Jul-97
1MW105S972	ZINC-D	12		4.0	UG/L	METALS	11-Jul-97
1MW105S972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,4-DINITROPHENOL	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	2-NITROANILINE	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	2-NITROPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	11-Jul-97
1MW105S972	3-NITROANILINE	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	4,6-DINITRO-2-METHYLPHENOL	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	11-Jul-97
1MW105S972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	4-NITROANILINE	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	4-NITROPHENOL	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	ACENAPHTHENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	ANTHRACENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BENZOIC ACID	55	U	55	UG/L	SVOC	11-Jul-97
1MW105S972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BIS(2-ETHYLHEXYL)PHTHALATE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	CHRYSENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	DIBENZOFURAN	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	FLUORANTHENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	FLUORENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	11-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW105S972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	ISOPHORONE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	NAPHTHALENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	NITROBENZENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	11-Jul-97
1MW105S972	PHENANTHRENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	PHENOL	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	PYRENE	11	U	11	UG/L	SVOC	11-Jul-97
1MW105S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	ACETONE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	BENZENE	1.7		1.0	UG/L	VOC	11-Jul-97
1MW105S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	STYRENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	TOLUENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW105S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	11-Jul-97
1MW106D972	ALKALINITY, BICARBONATE (AS CACO3)	412		5.0	MG/L	GENCHEM	10-Jul-97
1MW106D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	10-Jul-97
1MW106D972	ALKALINITY, TOTAL (AS CaCO3)	412		5.0	MG/L	GENCHEM	10-Jul-97
1MW106D972	CHLORIDE (AS CL)	9.97		0.5	MG/L	GENCHEM	10-Jul-97
1MW106D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97
1MW106D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW106D972	SULFATE (AS SO4)	83.6		10	MG/L	GENCHEM	10-Jul-97
1MW106D972	TOTAL ORGANIC CARBON	3.7		1.0	MG/L	GENCHEM	10-Jul-97
1MW106D972	GASOLINE RANGE ORGANICS	1700		50	UG/L	GRO	10-Jul-97
1MW106D972	ALUMINUM	150		25	UG/L	METALS	10-Jul-97
1MW106D972	ALUMINUM-D	44		25	UG/L	METALS	10-Jul-97
1MW106D972	ANTIMONY	40	U	40	UG/L	METALS	10-Jul-97
1MW106D972	ANTIMONY-D	40	U	40	UG/L	METALS	10-Jul-97
1MW106D972	ARSENIC	13		5.0	UG/L	METALS	10-Jul-97
1MW106D972	ARSENIC-D	10		5.0	UG/L	METALS	10-Jul-97
1MW106D972	BARIUM	100		5.0	UG/L	METALS	10-Jul-97
1MW106D972	BARIUM-D	99		5.0	UG/L	METALS	10-Jul-97
1MW106D972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW106D972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW106D972	CADMIUM	11		5.0	UG/L	METALS	10-Jul-97
1MW106D972	CADMIUM-D	16		5.0	UG/L	METALS	10-Jul-97
1MW106D972	CALCIUM	110000		38	UG/L	METALS	10-Jul-97
1MW106D972	CALCIUM-D	110000		38	UG/L	METALS	10-Jul-97
1MW106D972	CHROMIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	COBALT	10	U	10	UG/L	METALS	10-Jul-97
1MW106D972	COBALT-D	10	U	10	UG/L	METALS	10-Jul-97
1MW106D972	COPPER	5.8		3.0	UG/L	METALS	10-Jul-97
1MW106D972	COPPER-D	6.4		3.0	UG/L	METALS	10-Jul-97
1MW106D972	IRON	1300		25	UG/L	METALS	10-Jul-97
1MW106D972	IRON-D	1000		25	UG/L	METALS	10-Jul-97
1MW106D972	LEAD	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW106D972	LEAD-D	2.0	U	2.0	UG/L	METALS	10-Jul-97
1MW106D972	MAGNESIUM	36000		32	UG/L	METALS	10-Jul-97
1MW106D972	MAGNESIUM-D	36000		32	UG/L	METALS	10-Jul-97
1MW106D972	MANGANESE	160		2.0	UG/L	METALS	10-Jul-97
1MW106D972	MANGANESE-D	150		2.0	UG/L	METALS	10-Jul-97
1MW106D972	MERCURY	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW106D972	MERCURY-D	0.20	U	0.20	UG/L	METALS	10-Jul-97
1MW106D972	NICKEL	20	U	20	UG/L	METALS	10-Jul-97
1MW106D972	NICKEL-D	20	U	20	UG/L	METALS	10-Jul-97
1MW106D972	POTASSIUM	1100		600	UG/L	METALS	10-Jul-97
1MW106D972	POTASSIUM-D	1500		600	UG/L	METALS	10-Jul-97
1MW106D972	SELENIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	SILVER	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	SILVER-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	SODIUM	35000		29	UG/L	METALS	10-Jul-97
1MW106D972	SODIUM-D	36000		29	UG/L	METALS	10-Jul-97
1MW106D972	THALLIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	VANADIUM	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	10-Jul-97
1MW106D972	ZINC	12		4.0	UG/L	METALS	10-Jul-97
1MW106D972	ZINC-D	13		4.0	UG/L	METALS	10-Jul-97
1MW106D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

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1MW106D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	2-NITROANILINE	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	10-Jul-97
1MW106D972	3-NITROANILINE	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	10-Jul-97
1MW106D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	4-NITROANILINE	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	ANTHRACENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BENZOIC ACID	50	U	50	UG/L	SVOC	10-Jul-97
1MW106D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	CHRYSENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	FLUORANTHENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	FLUORENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	ISOPHORONE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	NAPHTHALENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	NITROBENZENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	10-Jul-97
1MW106D972	PHENANTHRENE	10	U	10	UG/L	SVOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW106D972	PHENOL	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	PYRENE	10	U	10	UG/L	SVOC	10-Jul-97
1MW106D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,1-DICHLOROETHENE	14		1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	1,2-DICHLOROPROPANE	1.1		1.0	UG/L	VOC	10-Jul-97
1MW106D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	ACETONE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	BENZENE	2.4		1.0	UG/L	VOC	10-Jul-97
1MW106D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CIS-1,2-DICHLOROETHENE	1200	E	1.0	UG/L	VOC	10-Jul-97
1MW106D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	STYRENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	TOLUENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	TRANS-1,2-DICHLOROETHENE	78	E	1.0	UG/L	VOC	10-Jul-97
1MW106D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972	TRICHLOROETHENE	570	E	1.0	UG/L	VOC	10-Jul-97
1MW106D972	VINYL CHLORIDE	93	E	1.0	UG/L	VOC	10-Jul-97
1MW106D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	10-Jul-97
1MW106D972DL	1,1,1-TRICHLOROETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,1,2,2-TETRACHLOROETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,1,2-TRICHLOROETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,1-DICHLOROETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,1-DICHLOROETHENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,1-DICHLOROPROPENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,2-DICHLOROETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	1,2-DICHLOROPROPANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	2-BUTANONE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	2-HEXANONE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	4-METHYL-2-PENTANONE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	ACETONE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	BENZENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	BROMODICHLOROMETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	BROMOFORM	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	BROMOMETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CARBON DISULFIDE	200	U	200	UG/L	VOC	10-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW106D972DL	CARBON TETRACHLORIDE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CHLOROBENZENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CHLOROETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CHLOROFORM	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CHLOROMETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CIS-1,2-DICHLOROETHENE	460	D	200	UG/L	VOC	10-Jul-97
1MW106D972DL	CIS-1,3-DICHLOROPROPENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	DIBROMOCHLOROMETHANE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	ETHYLBENZENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	M&P-XYLENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	METHYLENE CHLORIDE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	O-XYLENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	STYRENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	TETRACHLOROETHENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	TOLUENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	TRANS-1,2-DICHLOROETHENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	TRANS-1,3-DICHLOROPROPENE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	TRICHLOROETHENE	1500	D	200	UG/L	VOC	10-Jul-97
1MW106D972DL	VINYL CHLORIDE	200	U	200	UG/L	VOC	10-Jul-97
1MW106D972DL	XYLENE (TOTAL)	200	U	200	UG/L	VOC	10-Jul-97
1MW10972	CHLORIDE (AS CL)	8.4		0.5	MG/L	GENCHEM	26-Jun-97
1MW10972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
1MW10972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
1MW10972	SULFATE (AS SO4)	59.5		10	MG/L	GENCHEM	26-Jun-97
1MW10972	TOTAL ORGANIC CARBON	2.6		1.0	MG/L	GENCHEM	26-Jun-97
1MW10972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	26-Jun-97
1MW10972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	2-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	2-NITROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	26-Jun-97
1MW10972	3-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	26-Jun-97
1MW10972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	4-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	4-NITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	ACENAPHTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW10972	ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BENZOIC ACID	50	U	50	UG/L	SVOC	26-Jun-97
1MW10972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	CARBAZOLE	20	U	20	UG/L	SVOC	26-Jun-97
1MW10972	CHRYSENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	DIBENZOFURAN	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	FLUORENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	ISOPHORONE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	NAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	NITROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	26-Jun-97
1MW10972	PHENANTHRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	PHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW10972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	ACETONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	BENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	BROMOFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW10972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	O-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	STYRENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	TOLUENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW10972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW11972	CHLORIDE (AS CL)	5.5		0.5	MG/L	GENCHEM	24-Jun-97
1MW11972	NITROGEN, NITRATE (AS N)	0.116		0.1	MG/L	GENCHEM	24-Jun-97
1MW11972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	24-Jun-97
1MW11972	SULFATE (AS SO4)	81.5		10	MG/L	GENCHEM	24-Jun-97
1MW11972	TOTAL ORGANIC CARBON	2.2		1	MG/L	GENCHEM	24-Jun-97
1MW11972	GASOLINE RANGE ORGANICS	50	U	0.0	UG/L	GRO	24-Jun-97
1MW11972	ALUMINUM	25	U	25	UG/L	METALS	24-Jun-97
1MW11972	ALUMINUM-D	28		25	UG/L	METALS	24-Jun-97
1MW11972	ANTIMONY	40	U	40	UG/L	METALS	24-Jun-97
1MW11972	ANTIMONY-D	56		40	UG/L	METALS	24-Jun-97
1MW11972	ARSENIC	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	BARIUM	89		5.0	UG/L	METALS	24-Jun-97
1MW11972	BARIUM-D	90		5.0	UG/L	METALS	24-Jun-97
1MW11972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW11972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW11972	CADMIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	CADMIUM-D	7.9		5.0	UG/L	METALS	24-Jun-97
1MW11972	CALCIUM	120000		38	UG/L	METALS	24-Jun-97
1MW11972	CALCIUM-D	110000		38	UG/L	METALS	24-Jun-97
1MW11972	CHROMIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	COBALT	10	U	10	UG/L	METALS	24-Jun-97
1MW11972	COBALT-D	10	U	10	UG/L	METALS	24-Jun-97
1MW11972	COPPER	5.6		3.0	UG/L	METALS	24-Jun-97
1MW11972	COPPER-D	4.3		3.0	UG/L	METALS	24-Jun-97
1MW11972	IRON	49		25	UG/L	METALS	24-Jun-97
1MW11972	IRON-D	28		25	UG/L	METALS	24-Jun-97
1MW11972	LEAD	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW11972	LEAD-D	6.1		2.0	UG/L	METALS	24-Jun-97
1MW11972	MAGNESIUM	36000		32	UG/L	METALS	24-Jun-97
1MW11972	MAGNESIUM-D	36000		32	UG/L	METALS	24-Jun-97
1MW11972	MANGANESE	10		2.0	UG/L	METALS	24-Jun-97
1MW11972	MANGANESE-D	13		2.0	UG/L	METALS	24-Jun-97
1MW11972	MERCURY	0.20	U	0.20	UG/L	METALS	24-Jun-97
1MW11972	MERCURY-D	0.20	U	0.20	UG/L	METALS	24-Jun-97
1MW11972	NICKEL	20	U	20	UG/L	METALS	24-Jun-97
1MW11972	NICKEL-D	20	U	20	UG/L	METALS	24-Jun-97
1MW11972	POTASSIUM	1400		600	UG/L	METALS	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW11972	POTASSIUM-D	1100		600	UG/L	METALS	24-Jun-97
1MW11972	SELENIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	SILVER	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	SILVER-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	SODIUM	5600		29	UG/L	METALS	24-Jun-97
1MW11972	SODIUM-D	5500		29	UG/L	METALS	24-Jun-97
1MW11972	THALLIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	THALLIUM-D	6.2		5.0	UG/L	METALS	24-Jun-97
1MW11972	VANADIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW11972	ZINC	4.0	U	4.0	UG/L	METALS	24-Jun-97
1MW11972	ZINC-D	20		4.0	UG/L	METALS	24-Jun-97
1MW11972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	2-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	2-NITROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	24-Jun-97
1MW11972	3-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	24-Jun-97
1MW11972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	4-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	4-NITROPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	ACENAPHTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BENZOIC ACID	50	U	50	UG/L	SVOC	24-Jun-97
1MW11972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	CARBAZOLE	20	U	20	UG/L	SVOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW11972	CHRYSENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	DIBENZOFURAN	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	FLUORENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	ISOPHORONE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	NAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	NITROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	24-Jun-97
1MW11972	PHENANTHRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	PHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW11972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	ACETONE	1.0	B	1.0	UG/L	VOC	24-Jun-97
1MW11972	BENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	BROMOFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	O-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	STYRENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	TOLUENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW11972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW11972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW12972	ALKALINITY, BICARBONATE (AS CACO3)	420		5.0	MG/L	GENCHEM	19-Jun-97
1MW12972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	19-Jun-97
1MW12972	ALKALINITY, TOTAL (AS CaCO3)	420		5.0	MG/L	GENCHEM	19-Jun-97
1MW12972	CHLORIDE (AS CL)	11.6		1.0	MG/L	GENCHEM	19-Jun-97
1MW12972	NITROGEN, NITRATE (AS N)	0.57		0.1	MG/L	GENCHEM	19-Jun-97
1MW12972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	19-Jun-97
1MW12972	SULFATE (AS SO4)	96.4		10	MG/L	GENCHEM	19-Jun-97
1MW12972	TOTAL ORGANIC CARBON	2.8		1.0	MG/L	GENCHEM	19-Jun-97
1MW12972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	19-Jun-97
1MW12972	ALUMINUM	46		25	UG/L	METALS	19-Jun-97
1MW12972	ALUMINUM-D	26		25	UG/L	METALS	19-Jun-97
1MW12972	ANTIMONY	40	U	40	UG/L	METALS	19-Jun-97
1MW12972	ANTIMONY-D	40	U	40	UG/L	METALS	19-Jun-97
1MW12972	ARSENIC	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	BARIUM	82		5.0	UG/L	METALS	19-Jun-97
1MW12972	BARIUM-D	82		5.0	UG/L	METALS	19-Jun-97
1MW12972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	19-Jun-97
1MW12972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	19-Jun-97
1MW12972	CADMIUM	9.7		5.0	UG/L	METALS	19-Jun-97
1MW12972	CADMIUM-D	3.0	U	3.0	UG/L	METALS	19-Jun-97
1MW12972	CALCIUM	130000		38	UG/L	METALS	19-Jun-97
1MW12972	CALCIUM-D	130000		38	UG/L	METALS	19-Jun-97
1MW12972	CHROMIUM	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	COBALT	10	U	10	UG/L	METALS	19-Jun-97
1MW12972	COBALT-D	10	U	10	UG/L	METALS	19-Jun-97
1MW12972	COPPER	3.0	U	3.0	UG/L	METALS	19-Jun-97
1MW12972	COPPER-D	3.9		3.0	UG/L	METALS	19-Jun-97
1MW12972	IRON	46		25	UG/L	METALS	19-Jun-97
1MW12972	IRON-D	34		25	UG/L	METALS	19-Jun-97
1MW12972	LEAD	2.0	U	2.0	UG/L	METALS	19-Jun-97
1MW12972	LEAD-D	2.0	U	2.0	UG/L	METALS	19-Jun-97
1MW12972	MAGNESIUM	43000		32	UG/L	METALS	19-Jun-97
1MW12972	MAGNESIUM-D	42000		32	UG/L	METALS	19-Jun-97
1MW12972	MANGANESE	17		2.0	UG/L	METALS	19-Jun-97
1MW12972	MANGANESE-D	21		2.0	UG/L	METALS	19-Jun-97
1MW12972	MERCURY	0.20	U	0.20	UG/L	METALS	19-Jun-97
1MW12972	MERCURY-D	0.20	U	0.20	UG/L	METALS	19-Jun-97
1MW12972	NICKEL	20	U	20	UG/L	METALS	19-Jun-97
1MW12972	NICKEL-D	20	U	20	UG/L	METALS	19-Jun-97
1MW12972	POTASSIUM	1300		600	UG/L	METALS	19-Jun-97
1MW12972	POTASSIUM-D	1000		600	UG/L	METALS	19-Jun-97
1MW12972	SELENIUM	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	SILVER	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	SILVER-D	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	SODIUM	12000		29	UG/L	METALS	19-Jun-97
1MW12972	SODIUM-D	12000		29	UG/L	METALS	19-Jun-97
1MW12972	THALLIUM	8.6		5.0	UG/L	METALS	19-Jun-97
1MW12972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	VANADIUM	5.0	U	5.0	UG/L	METALS	19-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW12972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	19-Jun-97
1MW12972	ZINC	4.0	U	4.0	UG/L	METALS	19-Jun-97
1MW12972	ZINC-D	13		4.0	UG/L	METALS	19-Jun-97
1MW12972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	1-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,4-DINITROPHENOL	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	2-NITROANILINE	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	2-NITROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	19-Jun-97
1MW12972	3-NITROANILINE	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	4,6-DINITRO-2-METHYLPHENOL	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	19-Jun-97
1MW12972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	4-NITROANILINE	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	4-NITROPHENOL	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	ACENAPHTHENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	ANTHRACENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BENZOIC ACID	55	U	55	UG/L	SVOC	19-Jun-97
1MW12972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	BIS(2-ETHYLHEXYL)PHTHALATE	6	J	11	UG/L	SVOC	19-Jun-97
1MW12972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	CARBAZOLE	22	U	22	UG/L	SVOC	19-Jun-97
1MW12972	CHRYSENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	DIBENZOFURAN	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	FLUORANTHENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	FLUORENE	11	U	11	UG/L	SVOC	19-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW12972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	ISOPHORONE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	NAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	NITROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	PENTACHLOROPHENOL	33	U	33	UG/L	SVOC	19-Jun-97
1MW12972	PHENANTHRENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	PHENOL	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	PYRENE	11	U	11	UG/L	SVOC	19-Jun-97
1MW12972	1,1,1,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2,3-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2,3-TRICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2,4-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2,4-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2-DIBROMO-3-CHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2-DIBROMOETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,3,5-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,3-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,3-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1,4-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	1-CHLOROHEXANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	2,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	2-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	4-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	BENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	BROMOBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	BROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	BROMOFORM	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	DIBROMOMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	DICHLORODIFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	HEXACHLOROBUTADIENE	1.0	U	1.0	UG/L	VOC	19-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW12972	ISOPROPYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	N-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	N-PROPYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	NAPHTHALENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	O-XYLENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	P-ISOPROPYLTOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	SEC-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	STYRENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TERT-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	TRICHLOROFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	VINYL ACETATE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW12972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	19-Jun-97
1MW2972	CHLORIDE (AS CL)	2.87		0.5	MG/L	GENCHEM	27-Jun-97
1MW2972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	27-Jun-97
1MW2972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	27-Jun-97
1MW2972	SULFATE (AS SO4)	114		10	MG/L	GENCHEM	27-Jun-97
1MW2972	TOTAL ORGANIC CARBON	4.0		1.0	MG/L	GENCHEM	27-Jun-97
1MW2972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	27-Jun-97
1MW2972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	1-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	2-NITROANILINE	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	2-NITROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	27-Jun-97
1MW2972	3-NITROANILINE	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	27-Jun-97
1MW2972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	4-NITROANILINE	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	4-NITROPHENOL	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	ACENAPHTHENE	10	U	10	UG/L	SVOC	27-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW2972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	ANTHRACENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BENZOIC ACID	50	U	50	UG/L	SVOC	27-Jun-97
1MW2972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	CARBAZOLE	20	U	20	UG/L	SVOC	27-Jun-97
1MW2972	CHRYSENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	DIBENZOFURAN	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	FLUORANTHENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	FLUORENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	ISOPHORONE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	NAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	NITROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	27-Jun-97
1MW2972	PHENANTHRENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	PHENOL	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	PYRENE	10	U	10	UG/L	SVOC	27-Jun-97
1MW2972	1,1,1,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2,3-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2,3-TRICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2,4-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2,4-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2-DIBROMO-3-CHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2-DIBROMOETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,3,5-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,3-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1,3-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW2972	1,4-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	1-CHLOROHEXANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	2,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	2-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	4-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	BENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	BROMOBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	BROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	BROMOFORM	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	CIS-1,2-DICHLOROETHENE	4.8		1.0	UG/L	VOC	27-Jun-97
1MW2972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	DIBROMOMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	DICHLORODIFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	HEXACHLOROBUTADIENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	ISOPROPYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	N-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	N-PROPYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	NAPHTHALENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	O-XYLENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	P-ISOPROPYLTOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	SEC-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	STYRENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TERT-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	TRICHLOROFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	VINYL ACETATE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW2972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	27-Jun-97
1MW3972	CHLORIDE (AS CL)	4.1		0.5	MG/L	GENCHEM	01-Jul-97
1MW3972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	01-Jul-97
1MW3972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	01-Jul-97
1MW3972	SULFATE (AS SO4)	65.5		10	MG/L	GENCHEM	01-Jul-97
1MW3972	TOTAL ORGANIC CARBON	3.8		1.0	MG/L	GENCHEM	01-Jul-97
1MW3972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	01-Jul-97
1MW3972	ALUMINUM	450		25	UG/L	METALS	01-Jul-97
1MW3972	ALUMINUM-D	25	U	25	UG/L	METALS	01-Jul-97
1MW3972	ANTIMONY	40	U	40	UG/L	METALS	01-Jul-97
1MW3972	ANTIMONY-D	40	U	40	UG/L	METALS	01-Jul-97
1MW3972	ARSENIC	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	BARIUM	170		5.0	UG/L	METALS	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW3972	BARIUM-D	140		5.0	UG/L	METALS	01-Jul-97
1MW3972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	01-Jul-97
1MW3972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	01-Jul-97
1MW3972	CADMIUM	9.2		5.0	UG/L	METALS	01-Jul-97
1MW3972	CADMIUM-D	16		5.0	UG/L	METALS	01-Jul-97
1MW3972	CALCIUM	140000		38	UG/L	METALS	01-Jul-97
1MW3972	CALCIUM-D	130000		38	UG/L	METALS	01-Jul-97
1MW3972	CHROMIUM	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	COBALT	10	U	10	UG/L	METALS	01-Jul-97
1MW3972	COBALT-D	10	U	10	UG/L	METALS	01-Jul-97
1MW3972	COPPER	3.0	U	3.0	UG/L	METALS	01-Jul-97
1MW3972	COPPER-D	4.7		3.0	UG/L	METALS	01-Jul-97
1MW3972	IRON	750		25	UG/L	METALS	01-Jul-97
1MW3972	IRON-D	25	U	25	UG/L	METALS	01-Jul-97
1MW3972	LEAD	2.0	U	2.0	UG/L	METALS	01-Jul-97
1MW3972	LEAD-D	2.5		2.0	UG/L	METALS	01-Jul-97
1MW3972	MAGNESIUM	29000		32	UG/L	METALS	01-Jul-97
1MW3972	MAGNESIUM-D	28000		32	UG/L	METALS	01-Jul-97
1MW3972	MANGANESE	6700		2.0	UG/L	METALS	01-Jul-97
1MW3972	MANGANESE-D	200		2.0	UG/L	METALS	01-Jul-97
1MW3972	MERCURY	0.24		0.20	UG/L	METALS	01-Jul-97
1MW3972	MERCURY-D	0.20	U	0.20	UG/L	METALS	01-Jul-97
1MW3972	NICKEL	20	U	20	UG/L	METALS	01-Jul-97
1MW3972	NICKEL-D	20	U	20	UG/L	METALS	01-Jul-97
1MW3972	POTASSIUM	900		600	UG/L	METALS	01-Jul-97
1MW3972	POTASSIUM-D	840		600	UG/L	METALS	01-Jul-97
1MW3972	SELENIUM	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	SILVER	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	SILVER-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	SODIUM	11000		29	UG/L	METALS	01-Jul-97
1MW3972	SODIUM-D	11000		29	UG/L	METALS	01-Jul-97
1MW3972	THALLIUM	9.9		5.0	UG/L	METALS	01-Jul-97
1MW3972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	VANADIUM	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW3972	ZINC	60		4.0	UG/L	METALS	01-Jul-97
1MW3972	ZINC-D	11		4.0	UG/L	METALS	01-Jul-97
1MW3972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	1-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW3972	2-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	2-NITROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	01-Jul-97
1MW3972	3-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	01-Jul-97
1MW3972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	4-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	4-NITROPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	ACENAPHTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BENZOIC ACID	50	U	50	UG/L	SVOC	01-Jul-97
1MW3972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	CARBAZOLE	20	U	20	UG/L	SVOC	01-Jul-97
1MW3972	CHRYSENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	DIBENZOFURAN	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	FLUORENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	ISOPHORONE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	NAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	NITROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	01-Jul-97
1MW3972	PHENANTHRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	PHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW3972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW3972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	ACETONE	4.8	B	1.0	UG/L	VOC	01-Jul-97
1MW3972	BENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	BROMOFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	O-XYLENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	STYRENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	TOLUENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	TRICHLOROETHENE	1.6		1.0	UG/L	VOC	01-Jul-97
1MW3972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW3972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW4972	CHLORIDE (AS CL)	1.82		0.5	MG/L	GENCHEM	25-Jun-97
1MW4972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	25-Jun-97
1MW4972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	25-Jun-97
1MW4972	SULFATE (AS SO4)	96		10	MG/L	GENCHEM	25-Jun-97
1MW4972	TOTAL ORGANIC CARBON	3.0		1.0	MG/L	GENCHEM	25-Jun-97
1MW4972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	25-Jun-97
1MW4972	ALUMINUM	25	U	25	UG/L	METALS	25-Jun-97
1MW4972	ALUMINUM-D	36		25	UG/L	METALS	25-Jun-97
1MW4972	ANTIMONY	40	U	40	UG/L	METALS	25-Jun-97
1MW4972	ANTIMONY-D	40	U	40	UG/L	METALS	25-Jun-97
1MW4972	ARSENIC	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	BARIUM	110		5.0	UG/L	METALS	25-Jun-97
1MW4972	BARIUM-D	110		5.0	UG/L	METALS	25-Jun-97
1MW4972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW4972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW4972	CADMIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	CADMIUM-D	7.8		5.0	UG/L	METALS	25-Jun-97
1MW4972	CALCIUM	130000		38	UG/L	METALS	25-Jun-97
1MW4972	CALCIUM-D	120000		38	UG/L	METALS	25-Jun-97
1MW4972	CHROMIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	COBALT	10	U	10	UG/L	METALS	25-Jun-97
1MW4972	COBALT-D	10	U	10	UG/L	METALS	25-Jun-97
1MW4972	COPPER	3.3		3.0	UG/L	METALS	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW4972	COPPER-D	3.4		3.0	UG/L	METALS	25-Jun-97
1MW4972	IRON	63		25	UG/L	METALS	25-Jun-97
1MW4972	IRON-D	48		25	UG/L	METALS	25-Jun-97
1MW4972	LEAD	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW4972	LEAD-D	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW4972	MAGNESIUM	46000		32	UG/L	METALS	25-Jun-97
1MW4972	MAGNESIUM-D	46000		32	UG/L	METALS	25-Jun-97
1MW4972	MANGANESE	80		2.0	UG/L	METALS	25-Jun-97
1MW4972	MANGANESE-D	87		2.0	UG/L	METALS	25-Jun-97
1MW4972	MERCURY	0.20	U	0.20	UG/L	METALS	25-Jun-97
1MW4972	MERCURY-D	0.20	U	0.20	UG/L	METALS	25-Jun-97
1MW4972	NICKEL	20	U	20	UG/L	METALS	25-Jun-97
1MW4972	NICKEL-D	20	U	20	UG/L	METALS	25-Jun-97
1MW4972	POTASSIUM	620		600	UG/L	METALS	25-Jun-97
1MW4972	POTASSIUM-D	1000		600	UG/L	METALS	25-Jun-97
1MW4972	SELENIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	SILVER	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	SILVER-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	SODIUM	6100		29	UG/L	METALS	25-Jun-97
1MW4972	SODIUM-D	6100		29	UG/L	METALS	25-Jun-97
1MW4972	THALLIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	VANADIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW4972	ZINC	4.0	U	4.0	UG/L	METALS	25-Jun-97
1MW4972	ZINC-D	22		4.0	UG/L	METALS	25-Jun-97
1MW4972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	2-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	2-NITROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	25-Jun-97
1MW4972	3-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	25-Jun-97
1MW4972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	4-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	4-NITROPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	ACENAPHTHENE	10	U	10	UG/L	SVOC	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW4972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BENZOIC ACID	50	U	50	UG/L	SVOC	25-Jun-97
1MW4972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	CARBAZOLE	20	U	20	UG/L	SVOC	25-Jun-97
1MW4972	CHRYSENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	DIBENZOFURAN	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	FLUORENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	ISOPHORONE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	NAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	NITROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	25-Jun-97
1MW4972	PHENANTHRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	PHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW4972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	ACETONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	BENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	BROMOFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW4972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	O-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	STYRENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	TOLUENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW4972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW5972	CHLORIDE (AS CL)	8.04		0.5	MG/L	GENCHEM	01-Jul-97
1MW5972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	01-Jul-97
1MW5972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	01-Jul-97
1MW5972	SULFATE (AS SO4)	9.33		1.0	MG/L	GENCHEM	01-Jul-97
1MW5972	TOTAL ORGANIC CARBON	6.6		1.0	MG/L	GENCHEM	01-Jul-97
1MW5972	GASOLINE RANGE ORGANICS	12000		500	UG/L	GRO	01-Jul-97
1MW5972	ALUMINUM	76		25	UG/L	METALS	01-Jul-97
1MW5972	ALUMINUM-D	41		25	UG/L	METALS	01-Jul-97
1MW5972	ANTIMONY	40	U	40	UG/L	METALS	01-Jul-97
1MW5972	ANTIMONY-D	40	U	40	UG/L	METALS	01-Jul-97
1MW5972	ARSENIC	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	BARIUM	220		5.0	UG/L	METALS	01-Jul-97
1MW5972	BARIUM-D	230		5.0	UG/L	METALS	01-Jul-97
1MW5972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	01-Jul-97
1MW5972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	01-Jul-97
1MW5972	CADMIUM	17		5.0	UG/L	METALS	01-Jul-97
1MW5972	CADMIUM-D	26		5.0	UG/L	METALS	01-Jul-97
1MW5972	CALCIUM	110000		38	UG/L	METALS	01-Jul-97
1MW5972	CALCIUM-D	110000		38	UG/L	METALS	01-Jul-97
1MW5972	CHROMIUM	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	COBALT	10	U	10	UG/L	METALS	01-Jul-97
1MW5972	COBALT-D	10	U	10	UG/L	METALS	01-Jul-97
1MW5972	COPPER	3.0	U	3.0	UG/L	METALS	01-Jul-97
1MW5972	COPPER-D	4.3		3.0	UG/L	METALS	01-Jul-97
1MW5972	IRON	5000		25	UG/L	METALS	01-Jul-97
1MW5972	IRON-D	4300		25	UG/L	METALS	01-Jul-97
1MW5972	LEAD	26		2.0	UG/L	METALS	01-Jul-97
1MW5972	LEAD-D	18		2.0	UG/L	METALS	01-Jul-97
1MW5972	MAGNESIUM	32000		32	UG/L	METALS	01-Jul-97
1MW5972	MAGNESIUM-D	32000		32	UG/L	METALS	01-Jul-97
1MW5972	MANGANESE	430		2.0	UG/L	METALS	01-Jul-97
1MW5972	MANGANESE-D	400		2.0	UG/L	METALS	01-Jul-97
1MW5972	MERCURY	0.20	U	0.20	UG/L	METALS	01-Jul-97
1MW5972	MERCURY-D	0.20	U	0.20	UG/L	METALS	01-Jul-97
1MW5972	NICKEL	20	U	20	UG/L	METALS	01-Jul-97
1MW5972	NICKEL-D	20	U	20	UG/L	METALS	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW5972	POTASSIUM	600	U	600	UG/L	METALS	01-Jul-97
1MW5972	POTASSIUM-D	720		600	UG/L	METALS	01-Jul-97
1MW5972	SELENIUM	9.8		5.0	UG/L	METALS	01-Jul-97
1MW5972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	SILVER	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	SILVER-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	SODIUM	13000		29	UG/L	METALS	01-Jul-97
1MW5972	SODIUM-D	12000		29	UG/L	METALS	01-Jul-97
1MW5972	THALLIUM	5.8		5.0	UG/L	METALS	01-Jul-97
1MW5972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	VANADIUM	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	01-Jul-97
1MW5972	ZINC	4.0	U	4.0	UG/L	METALS	01-Jul-97
1MW5972	ZINC-D	19		4.0	UG/L	METALS	01-Jul-97
1MW5972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	1-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2-METHYLNAPHTHALENE	70		10	UG/L	SVOC	01-Jul-97
1MW5972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	2-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	2-NITROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	01-Jul-97
1MW5972	3-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	01-Jul-97
1MW5972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	4-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	4-NITROPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	ACENAPHTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BENZOIC ACID	50	U	50	UG/L	SVOC	01-Jul-97
1MW5972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	BIS(2-ETHYLHEXYL)PHTHALATE	19	B	10	UG/L	SVOC	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW5972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	CARBAZOLE	20	U	20	UG/L	SVOC	01-Jul-97
1MW5972	CHRYSENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	DIBENZOFURAN	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	FLUORENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	ISOPHORONE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	NAPHTHALENE	28		10	UG/L	SVOC	01-Jul-97
1MW5972	NITROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	01-Jul-97
1MW5972	PHENANTHRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	PHENOL	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
1MW5972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	ACETONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	BENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	BROMOFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	ETHYLBENZENE	190	E	1.0	UG/L	VOC	01-Jul-97
1MW5972	M&P-XYLENE	210	E	1.0	UG/L	VOC	01-Jul-97
1MW5972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	O-XYLENE	28	E	1.0	UG/L	VOC	01-Jul-97
1MW5972	STYRENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW5972	TOLUENE	9.4		1.0	UG/L	VOC	01-Jul-97
1MW5972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
1MW5972	XYLENE (TOTAL)	240	E	1.0	UG/L	VOC	01-Jul-97
1MW5972DL	1,1,1-TRICHLOROETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,1,2,2-TETRACHLOROETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,1,2-TRICHLOROETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,1-DICHLOROETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,1-DICHLOROETHENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,1-DICHLOROPROPENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,2-DICHLOROETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	1,2-DICHLOROPROPANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	2-BUTANONE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	2-HEXANONE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	4-METHYL-2-PENTANONE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	ACETONE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	BENZENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	BROMODICHLOROMETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	BROMOFORM	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	BROMOMETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CARBON DISULFIDE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CARBON TETRACHLORIDE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CHLOROBENZENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CHLOROETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CHLOROFORM	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CHLOROMETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CIS-1,2-DICHLOROETHENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	CIS-1,3-DICHLOROPROPENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	DIBROMOCHLOROMETHANE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	ETHYLBENZENE	260	D	25	UG/L	VOC	01-Jul-97
1MW5972DL	M&P-XYLENE	240	D	25	UG/L	VOC	01-Jul-97
1MW5972DL	METHYLENE CHLORIDE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	O-XYLENE	32	D	25	UG/L	VOC	01-Jul-97
1MW5972DL	STYRENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	TETRACHLOROETHENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	TOLUENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	TRANS-1,2-DICHLOROETHENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	TRANS-1,3-DICHLOROPROPENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	TRICHLOROETHENE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	VINYL CHLORIDE	25	U	25	UG/L	VOC	01-Jul-97
1MW5972DL	XYLENE (TOTAL)	280	D	25	UG/L	VOC	01-Jul-97
1MW6972	CHLORIDE (AS CL)	4.38		0.5	MG/L	GENCHEM	24-Jun-97
1MW6972	NITROGEN, NITRATE (AS N)	0.451		0.1	MG/L	GENCHEM	24-Jun-97
1MW6972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	24-Jun-97
1MW6972	SULFATE (AS SO4)	87.8		10	MG/L	GENCHEM	24-Jun-97
1MW6972	TOTAL ORGANIC CARBON	2.3		1	MG/L	GENCHEM	24-Jun-97
1MW6972	GASOLINE RANGE ORGANICS	100	U	0.0	UG/L	GRO	24-Jun-97
1MW6972	ALUMINUM	25	U	25	UG/L	METALS	24-Jun-97
1MW6972	ALUMINUM-D	26		25	UG/L	METALS	24-Jun-97
1MW6972	ANTIMONY	40	U	40	UG/L	METALS	24-Jun-97
1MW6972	ANTIMONY-D	57		40	UG/L	METALS	24-Jun-97
1MW6972	ARSENIC	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	BARIUM	61		5.0	UG/L	METALS	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW6972	BARIUM-D	62		5.0	UG/L	METALS	24-Jun-97
1MW6972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW6972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW6972	CADMIUM	8.2		5.0	UG/L	METALS	24-Jun-97
1MW6972	CADMIUM-D	16		5.0	UG/L	METALS	24-Jun-97
1MW6972	CALCIUM	140000		38	UG/L	METALS	24-Jun-97
1MW6972	CALCIUM-D	130000		38	UG/L	METALS	24-Jun-97
1MW6972	CHROMIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	COBALT	10	U	10	UG/L	METALS	24-Jun-97
1MW6972	COBALT-D	10	U	10	UG/L	METALS	24-Jun-97
1MW6972	COPPER	3.0	U	3.0	UG/L	METALS	24-Jun-97
1MW6972	COPPER-D	3.4		3.0	UG/L	METALS	24-Jun-97
1MW6972	IRON	44		25	UG/L	METALS	24-Jun-97
1MW6972	IRON-D	25	U	25	UG/L	METALS	24-Jun-97
1MW6972	LEAD	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW6972	LEAD-D	2.0	U	2.0	UG/L	METALS	24-Jun-97
1MW6972	MAGNESIUM	40000		32	UG/L	METALS	24-Jun-97
1MW6972	MAGNESIUM-D	40000		32	UG/L	METALS	24-Jun-97
1MW6972	MANGANESE	4.6		2.0	UG/L	METALS	24-Jun-97
1MW6972	MANGANESE-D	2.5		2.0	UG/L	METALS	24-Jun-97
1MW6972	MERCURY	0.20	U	0.20	UG/L	METALS	24-Jun-97
1MW6972	MERCURY-D	0.20	U	0.20	UG/L	METALS	24-Jun-97
1MW6972	NICKEL	20	U	20	UG/L	METALS	24-Jun-97
1MW6972	NICKEL-D	20	U	20	UG/L	METALS	24-Jun-97
1MW6972	POTASSIUM	690		600	UG/L	METALS	24-Jun-97
1MW6972	POTASSIUM-D	660		600	UG/L	METALS	24-Jun-97
1MW6972	SELENIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	SILVER	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	SILVER-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	SODIUM	5400		29	UG/L	METALS	24-Jun-97
1MW6972	SODIUM-D	5500		29	UG/L	METALS	24-Jun-97
1MW6972	THALLIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	VANADIUM	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	24-Jun-97
1MW6972	ZINC	4.0	U	4.0	UG/L	METALS	24-Jun-97
1MW6972	ZINC-D	12		4.0	UG/L	METALS	24-Jun-97
1MW6972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
1MW6972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	2-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW6972	2-NITROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	24-Jun-97
1MW6972	3-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
1MW6972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
1MW6972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	24-Jun-97
1MW6972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	4-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
1MW6972	4-NITROPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
1MW6972	ACENAPHTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BENZOIC ACID	50	U	50	UG/L	SVOC	24-Jun-97
1MW6972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	CARBAZOLE	20	U	20	UG/L	SVOC	24-Jun-97
1MW6972	CHRYSENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	DIBENZOFURAN	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	FLUORENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	ISOPHORONE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	NAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	NITROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	24-Jun-97
1MW6972	PHENANTHRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	PHENOL	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
1MW6972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW6972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	ACETONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	BENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	BROMOFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	CIS-1,2-DICHLOROETHENE	1.8		1.0	UG/L	VOC	24-Jun-97
1MW6972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	O-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	STYRENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	TOLUENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	TRICHLOROETHENE	24		1.0	UG/L	VOC	24-Jun-97
1MW6972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW6972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	24-Jun-97
1MW8972	CHLORIDE (AS CL)	1.62		0.5	MG/L	GENCHEM	26-Jun-97
1MW8972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
1MW8972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
1MW8972	SULFATE (AS SO4)	12.3		1.0	MG/L	GENCHEM	26-Jun-97
1MW8972	TOTAL ORGANIC CARBON	3.0		1.0	MG/L	GENCHEM	26-Jun-97
1MW8972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	26-Jun-97
1MW8972	ALUMINUM	360		25	UG/L	METALS	26-Jun-97
1MW8972	ALUMINUM-D	49		25	UG/L	METALS	26-Jun-97
1MW8972	ANTIMONY	40	U	40	UG/L	METALS	26-Jun-97
1MW8972	ANTIMONY-D	40	U	40	UG/L	METALS	26-Jun-97
1MW8972	ARSENIC	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	BARIUM	110		5.0	UG/L	METALS	26-Jun-97
1MW8972	BARIUM-D	100		5.0	UG/L	METALS	26-Jun-97
1MW8972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	26-Jun-97
1MW8972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	26-Jun-97
1MW8972	CADMIUM	33		5.0	UG/L	METALS	26-Jun-97
1MW8972	CADMIUM-D	8.7		5.0	UG/L	METALS	26-Jun-97
1MW8972	CALCIUM	99000		38	UG/L	METALS	26-Jun-97
1MW8972	CALCIUM-D	96000		38	UG/L	METALS	26-Jun-97
1MW8972	CHROMIUM	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	COBALT	10	U	10	UG/L	METALS	26-Jun-97
1MW8972	COBALT-D	10	U	10	UG/L	METALS	26-Jun-97
1MW8972	COPPER	3.9		3.0	UG/L	METALS	26-Jun-97
1MW8972	COPPER-D	17		3.0	UG/L	METALS	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW8972	IRON	750		25	UG/L	METALS	26-Jun-97
1MW8972	IRON-D	47		25	UG/L	METALS	26-Jun-97
1MW8972	LEAD	2.0	U	2.0	UG/L	METALS	26-Jun-97
1MW8972	LEAD-D	2.7		2.0	UG/L	METALS	26-Jun-97
1MW8972	MAGNESIUM	32000		32	UG/L	METALS	26-Jun-97
1MW8972	MAGNESIUM-D	31000		32	UG/L	METALS	26-Jun-97
1MW8972	MANGANESE	130		2.0	UG/L	METALS	26-Jun-97
1MW8972	MANGANESE-D	3.4		2.0	UG/L	METALS	26-Jun-97
1MW8972	MERCURY	0.26		0.20	UG/L	METALS	26-Jun-97
1MW8972	MERCURY-D	0.20	U	0.20	UG/L	METALS	26-Jun-97
1MW8972	NICKEL	20	U	20	UG/L	METALS	26-Jun-97
1MW8972	NICKEL-D	20	U	20	UG/L	METALS	26-Jun-97
1MW8972	POTASSIUM	600	U	600	UG/L	METALS	26-Jun-97
1MW8972	POTASSIUM-D	600	U	600	UG/L	METALS	26-Jun-97
1MW8972	SELENIUM	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	SILVER	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	SILVER-D	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	SODIUM	4000		29	UG/L	METALS	26-Jun-97
1MW8972	SODIUM-D	4000		29	UG/L	METALS	26-Jun-97
1MW8972	THALLIUM	10		5.0	UG/L	METALS	26-Jun-97
1MW8972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	VANADIUM	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	26-Jun-97
1MW8972	ZINC	4.0	U	4.0	UG/L	METALS	26-Jun-97
1MW8972	ZINC-D	20		4.0	UG/L	METALS	26-Jun-97
1MW8972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	2-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	2-NITROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	26-Jun-97
1MW8972	3-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	26-Jun-97
1MW8972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	4-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	4-NITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	ACENAPHTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW8972	ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BENZOIC ACID	50	U	50	UG/L	SVOC	26-Jun-97
1MW8972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	CARBAZOLE	20	U	20	UG/L	SVOC	26-Jun-97
1MW8972	CHRYSENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	DIBENZOFURAN	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	FLUORENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	ISOPHORONE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	NAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	NITROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	26-Jun-97
1MW8972	PHENANTHRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	PHENOL	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
1MW8972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	ACETONE	3.8	B	1.0	UG/L	VOC	26-Jun-97
1MW8972	BENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	BROMOFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW8972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	O-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	STYRENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	TOLUENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW8972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	26-Jun-97
1MW9972	CHLORIDE (AS CL)	7.32		0.5	MG/L	GENCHEM	25-Jun-97
1MW9972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	25-Jun-97
1MW9972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	25-Jun-97
1MW9972	SULFATE (AS SO4)	346		10	MG/L	GENCHEM	25-Jun-97
1MW9972	TOTAL ORGANIC CARBON	5.9		1.0	MG/L	GENCHEM	25-Jun-97
1MW9972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	25-Jun-97
1MW9972	ALUMINUM	92		25	UG/L	METALS	25-Jun-97
1MW9972	ALUMINUM-D	63		25	UG/L	METALS	25-Jun-97
1MW9972	ANTIMONY	40	U	40	UG/L	METALS	25-Jun-97
1MW9972	ANTIMONY-D	40	U	40	UG/L	METALS	25-Jun-97
1MW9972	ARSENIC	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	ARSENIC-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	BARIUM	44		5.0	UG/L	METALS	25-Jun-97
1MW9972	BARIUM-D	43		5.0	UG/L	METALS	25-Jun-97
1MW9972	BERYLLIUM	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW9972	BERYLLIUM-D	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW9972	CADMIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	CADMIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	CALCIUM	210000		38	UG/L	METALS	25-Jun-97
1MW9972	CALCIUM-D	210000		38	UG/L	METALS	25-Jun-97
1MW9972	CHROMIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	CHROMIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	COBALT	10	U	10	UG/L	METALS	25-Jun-97
1MW9972	COBALT-D	10	U	10	UG/L	METALS	25-Jun-97
1MW9972	COPPER	3.0	U	3.0	UG/L	METALS	25-Jun-97
1MW9972	COPPER-D	3.0	U	3.0	UG/L	METALS	25-Jun-97
1MW9972	IRON	200		25	UG/L	METALS	25-Jun-97
1MW9972	IRON-D	28		25	UG/L	METALS	25-Jun-97
1MW9972	LEAD	2.0	U	2.0	UG/L	METALS	25-Jun-97
1MW9972	LEAD-D	3.2		2.0	UG/L	METALS	25-Jun-97
1MW9972	MAGNESIUM	76000		32	UG/L	METALS	25-Jun-97
1MW9972	MAGNESIUM-D	76000		32	UG/L	METALS	25-Jun-97
1MW9972	MANGANESE	1100		2.0	UG/L	METALS	25-Jun-97
1MW9972	MANGANESE-D	1000		2.0	UG/L	METALS	25-Jun-97
1MW9972	MERCURY	0.20	U	0.20	UG/L	METALS	25-Jun-97
1MW9972	MERCURY-D	0.20	U	0.20	UG/L	METALS	25-Jun-97
1MW9972	NICKEL	20	U	20	UG/L	METALS	25-Jun-97
1MW9972	NICKEL-D	20	U	20	UG/L	METALS	25-Jun-97
1MW9972	POTASSIUM	1100		600	UG/L	METALS	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW9972	POTASSIUM-D	1200		600	UG/L	METALS	25-Jun-97
1MW9972	SELENIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	SELENIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	SILVER	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	SILVER-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	SODIUM	7900		29	UG/L	METALS	25-Jun-97
1MW9972	SODIUM-D	8100		29	UG/L	METALS	25-Jun-97
1MW9972	THALLIUM	13		5.0	UG/L	METALS	25-Jun-97
1MW9972	THALLIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	VANADIUM	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	VANADIUM-D	5.0	U	5.0	UG/L	METALS	25-Jun-97
1MW9972	ZINC	4.0	U	4.0	UG/L	METALS	25-Jun-97
1MW9972	ZINC-D	15		4.0	UG/L	METALS	25-Jun-97
1MW9972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	2-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	2-NITROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	25-Jun-97
1MW9972	3-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	25-Jun-97
1MW9972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	4-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	4-NITROPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	ACENAPHTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BENZOIC ACID	50	U	50	UG/L	SVOC	25-Jun-97
1MW9972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	CARBAZOLE	20	U	20	UG/L	SVOC	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW9972	CHRYSENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	DIBENZOFURAN	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	FLUORENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	ISOPHORONE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	NAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	NITROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	25-Jun-97
1MW9972	PHENANTHRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	PHENOL	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
1MW9972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	ACETONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	BENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	BROMOFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	O-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	STYRENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	TOLUENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
1MW9972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
1MW9972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP10S972	CHLORIDE (AS CL)	2.63		0.5	MG/L	GENCHEM	24-Jun-97
MP10S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	24-Jun-97
MP10S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	24-Jun-97
MP10S972	SULFATE (AS SO4)	38		1	MG/L	GENCHEM	26-Jun-97
MP10S972	TOTAL ORGANIC CARBON	2.3		1	MG/L	GENCHEM	24-Jun-97
MP10S972	GASOLINE RANGE ORGANICS	50	U	0.0	UG/L	GRO	24-Jun-97
MP10S972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	2-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	2-NITROPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	24-Jun-97
MP10S972	3-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	24-Jun-97
MP10S972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	4-NITROANILINE	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	4-NITROPHENOL	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	ACENAPHTHENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BENZOIC ACID	50	U	50	UG/L	SVOC	24-Jun-97
MP10S972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	CARBAZOLE	20	U	20	UG/L	SVOC	24-Jun-97
MP10S972	CHRYSENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP10S972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	DIBENZOFURAN	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	FLUORANTHENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	FLUORENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	ISOPHORONE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	NAPHTHALENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	NITROBENZENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	24-Jun-97
MP10S972	PHENANTHRENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	PHENOL	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	PYRENE	10	U	10	UG/L	SVOC	24-Jun-97
MP10S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	ACETONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	BENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	STYRENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	TOLUENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP10S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP10S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP12S972	GASOLINE RANGE ORGANICS	260		50	UG/L	GRO	25-Jun-97
MP12S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,2-DICHLOROETHANE	340	E	1.0	UG/L	VOC	25-Jun-97
MP12S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	ACETONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	BENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	STYRENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	TOLUENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP12S972DL	1,1,1-TRICHLOROETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,1,2,2-TETRACHLOROETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,1,2-TRICHLOROETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,1-DICHLOROETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,1-DICHLOROETHENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,1-DICHLOROPROPENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,2-DICHLOROETHANE	1200	D	50	UG/L	VOC	25-Jun-97
MP12S972DL	1,2-DICHLOROPROPANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	2-BUTANONE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	2-HEXANONE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	4-METHYL-2-PENTANONE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	ACETONE	180	DB	50	UG/L	VOC	25-Jun-97
MP12S972DL	BENZENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	BROMODICHLOROMETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	BROMOFORM	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	BROMOMETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CARBON DISULFIDE	50	U	50	UG/L	VOC	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP12S972DL	CARBON TETRACHLORIDE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CHLOROBENZENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CHLOROETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CHLOROFORM	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CHLOROMETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CIS-1,2-DICHLOROETHENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	CIS-1,3-DICHLOROPROPENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	DIBROMOCHLOROMETHANE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	ETHYLBENZENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	M&P-XYLENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	METHYLENE CHLORIDE	60	DB	50	UG/L	VOC	25-Jun-97
MP12S972DL	O-XYLENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	STYRENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	TETRACHLOROETHENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	TOLUENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	TRANS-1,2-DICHLOROETHENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	TRANS-1,3-DICHLOROPROPENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	TRICHLOROETHENE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	VINYL CHLORIDE	50	U	50	UG/L	VOC	25-Jun-97
MP12S972DL	XYLENE (TOTAL)	50	U	50	UG/L	VOC	25-Jun-97
MP13S972	CHLORIDE (AS CL)	11.7		0.5	MG/L	GENCHEM	30-Jun-97
MP13S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	30-Jun-97
MP13S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	30-Jun-97
MP13S972	SULFATE (AS SO4)	1.0	U	1.0	MG/L	GENCHEM	30-Jun-97
MP13S972	TOTAL ORGANIC CARBON	57		1.0	MG/L	GENCHEM	30-Jun-97
MP13S972	GASOLINE RANGE ORGANICS	260		50	UG/L	GRO	30-Jun-97
MP13S972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	2-NITROANILINE	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	2-NITROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	30-Jun-97
MP13S972	3-NITROANILINE	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	30-Jun-97
MP13S972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	4-NITROANILINE	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	4-NITROPHENOL	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	ACENAPHTHENE	5	J	10	UG/L	SVOC	30-Jun-97
MP13S972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	30-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP13S972	ANTHRACENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BENZOIC ACID	50	U	50	UG/L	SVOC	30-Jun-97
MP13S972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	BIS(2-ETHYLHEXYL)PHTHALATE	4	JB	10	UG/L	SVOC	30-Jun-97
MP13S972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	CARBAZOLE	6	J	20	UG/L	SVOC	30-Jun-97
MP13S972	CHRYSENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	DIBENZOFURAN	2	J	10	UG/L	SVOC	30-Jun-97
MP13S972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	FLUORANTHENE	1	J	10	UG/L	SVOC	30-Jun-97
MP13S972	FLUORENE	4	J	10	UG/L	SVOC	30-Jun-97
MP13S972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	ISOPHORONE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	NAPHTHALENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	NITROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	30-Jun-97
MP13S972	PHENANTHRENE	2	J	10	UG/L	SVOC	30-Jun-97
MP13S972	PHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	PYRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP13S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	1,2-DICHLOROETHANE	25		1.0	UG/L	VOC	30-Jun-97
MP13S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	ACETONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	BENZENE	430	E	1.0	UG/L	VOC	30-Jun-97
MP13S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP13S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	ETHYLBENZENE	190	E	1.0	UG/L	VOC	30-Jun-97
MP13S972	M&P-XYLENE	110	E	1.0	UG/L	VOC	30-Jun-97
MP13S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	O-XYLENE	5.6		1.0	UG/L	VOC	30-Jun-97
MP13S972	STYRENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	TOLUENE	12		1.0	UG/L	VOC	30-Jun-97
MP13S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP13S972	VINYL CHLORIDE	32	E	1.0	UG/L	VOC	30-Jun-97
MP13S972	XYLENE (TOTAL)	120	E	1.0	UG/L	VOC	30-Jun-97
MP13S972DL	1,1,1-TRICHLOROETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,1,2,2-TETRACHLOROETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,1,2-TRICHLOROETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,1-DICHLOROETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,1-DICHLOROETHENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,1-DICHLOROPROPENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,2-DICHLOROETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	1,2-DICHLOROPROPANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	2-BUTANONE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	2-HEXANONE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	4-METHYL-2-PENTANONE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	ACETONE	300		100	UG/L	VOC	30-Jun-97
MP13S972DL	BENZENE	670	D	100	UG/L	VOC	30-Jun-97
MP13S972DL	BROMODICHLOROMETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	BROMOFORM	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	BROMOMETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CARBON DISULFIDE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CARBON TETRACHLORIDE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CHLOROBENZENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CHLOROETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CHLOROFORM	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CHLOROMETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CIS-1,2-DICHLOROETHENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	CIS-1,3-DICHLOROPROPENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	DIBROMOCHLOROMETHANE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	ETHYLBENZENE	170	D	100	UG/L	VOC	30-Jun-97
MP13S972DL	M&P-XYLENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	METHYLENE CHLORIDE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	O-XYLENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	STYRENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	TETRACHLOROETHENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	TOLUENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	TRANS-1,2-DICHLOROETHENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	TRANS-1,3-DICHLOROPROPENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	TRICHLOROETHENE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	VINYL CHLORIDE	100	U	100	UG/L	VOC	30-Jun-97
MP13S972DL	XYLENE (TOTAL)	100	U	100	UG/L	VOC	30-Jun-97
MP14D972	CHLORIDE (AS CL)	0.5	U	0.5	MG/L	GENCHEM	30-Jun-97
MP14D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	30-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP14D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	30-Jun-97
MP14D972	SULFATE (AS SO4)	1.5		1.0	MG/L	GENCHEM	30-Jun-97
MP14D972	TOTAL ORGANIC CARBON	3.8		1.0	MG/L	GENCHEM	30-Jun-97
MP14D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	30-Jun-97
MP14D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	2-NITROANILINE	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	30-Jun-97
MP14D972	3-NITROANILINE	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	30-Jun-97
MP14D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	4-NITROANILINE	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	ANTHRACENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BENZOIC ACID	50	U	50	UG/L	SVOC	30-Jun-97
MP14D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	CARBAZOLE	20	U	20	UG/L	SVOC	30-Jun-97
MP14D972	CHRYSENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	FLUORANTHENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	FLUORENE	10	U	10	UG/L	SVOC	30-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP14D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	ISOPHORONE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	NAPHTHALENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	NITROBENZENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	30-Jun-97
MP14D972	PHENANTHRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	PHENOL	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	PYRENE	10	U	10	UG/L	SVOC	30-Jun-97
MP14D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	ACETONE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	BENZENE	1.7		1.0	UG/L	VOC	30-Jun-97
MP14D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	CIS-1,2-DICHLOROETHENE	22		1.0	UG/L	VOC	30-Jun-97
MP14D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	STYRENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	TOLUENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP14D972	VINYL CHLORIDE	9.1		1.0	UG/L	VOC	30-Jun-97
MP14D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	30-Jun-97
MP15S972	CHLORIDE (AS CL)	6.54		0.5	MG/L	GENCHEM	25-Jun-97
MP15S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	25-Jun-97
MP15S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	25-Jun-97
MP15S972	SULFATE (AS SO4)	14.8		1.0	MG/L	GENCHEM	25-Jun-97
MP15S972	TOTAL ORGANIC CARBON	3.6		1.0	MG/L	GENCHEM	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP15S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	25-Jun-97
MP15S972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	2-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	2-NITROPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	25-Jun-97
MP15S972	3-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	25-Jun-97
MP15S972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	4-NITROANILINE	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	4-NITROPHENOL	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	ACENAPHTHENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BENZOIC ACID	50	U	50	UG/L	SVOC	25-Jun-97
MP15S972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	CARBAZOLE	20	U	20	UG/L	SVOC	25-Jun-97
MP15S972	CHRYSENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	DIBENZOFURAN	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	FLUORANTHENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	FLUORENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	25-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP15S972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	ISOPHORONE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	NAPHTHALENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	NITROBENZENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	25-Jun-97
MP15S972	PHENANTHRENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	PHENOL	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	PYRENE	10	U	10	UG/L	SVOC	25-Jun-97
MP15S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	1,2-DICHLOROETHANE	1.5		1.0	UG/L	VOC	25-Jun-97
MP15S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	ACETONE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	BENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	STYRENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	TOLUENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP15S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	25-Jun-97
MP16D972	CHLORIDE (AS CL)	6.8		0.5	MG/L	GENCHEM	26-Jun-97
MP16D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
MP16D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
MP16D972	SULFATE (AS SO4)	169		10	MG/L	GENCHEM	26-Jun-97
MP16D972	TOTAL ORGANIC CARBON	2.7		1.0	MG/L	GENCHEM	26-Jun-97
MP16D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	26-Jun-97
MP16D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP16D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	2-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	26-Jun-97
MP16D972	3-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	26-Jun-97
MP16D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	4-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BENZOIC ACID	50	U	50	UG/L	SVOC	26-Jun-97
MP16D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	CARBAZOLE	20	U	20	UG/L	SVOC	26-Jun-97
MP16D972	CHRYSENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	FLUORENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	ISOPHORONE	10	U	10	UG/L	SVOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP16D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	NAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	NITROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	26-Jun-97
MP16D972	PHENANTHRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	PHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	4-METHYL-2-PENTANONE	1.0		1.0	UG/L	VOC	26-Jun-97
MP16D972	ACETONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	BENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	STYRENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	TOLUENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CHLORIDE (AS CL)	6.3		0.5	MG/L	GENCHEM	26-Jun-97
MP16S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
MP16S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	26-Jun-97
MP16S972	SULFATE (AS SO4)	634		100	MG/L	GENCHEM	26-Jun-97
MP16S972	TOTAL ORGANIC CARBON	5.8		1.0	MG/L	GENCHEM	26-Jun-97
MP16S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	26-Jun-97
MP16S972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP16S972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	2-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	2-NITROPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	26-Jun-97
MP16S972	3-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	26-Jun-97
MP16S972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	4-NITROANILINE	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	4-NITROPHENOL	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	ACENAPHTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BENZOIC ACID	50	U	50	UG/L	SVOC	26-Jun-97
MP16S972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	CARBAZOLE	20	U	20	UG/L	SVOC	26-Jun-97
MP16S972	CHRYSENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	DIBENZOFURAN	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	FLUORANTHENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	FLUORENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	ISOPHORONE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	NAPHTHALENE	10	U	10	UG/L	SVOC	26-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP16S972	NITROBENZENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	26-Jun-97
MP16S972	PHENANTHRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	PHENOL	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	PYRENE	10	U	10	UG/L	SVOC	26-Jun-97
MP16S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	ACETONE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	BENZENE	1.7		1.0	UG/L	VOC	26-Jun-97
MP16S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	STYRENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	TOLUENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP16S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	26-Jun-97
MP17S972	CHLORIDE (AS CL)	4.5		0.5	MG/L	GENCHEM	27-Jun-97
MP17S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	27-Jun-97
MP17S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	27-Jun-97
MP17S972	SULFATE (AS SO4)	62.1		10	MG/L	GENCHEM	27-Jun-97
MP17S972	TOTAL ORGANIC CARBON	3.4		1.0	MG/L	GENCHEM	27-Jun-97
MP17S972	GASOLINE RANGE ORGANICS	420		50	UG/L	GRO	27-Jun-97
MP17S972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	1-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP17S972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2,4-DINITROPHENOL	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	2-NITROANILINE	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	2-NITROPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	27-Jun-97
MP17S972	3-NITROANILINE	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	4,6-DINITRO-2-METHYLPHENOL	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	27-Jun-97
MP17S972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	4-NITROANILINE	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	4-NITROPHENOL	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	ACENAPHTHENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	ANTHRACENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BENZOIC ACID	51	U	51	UG/L	SVOC	27-Jun-97
MP17S972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	CARBAZOLE	20	U	20	UG/L	SVOC	27-Jun-97
MP17S972	CHRYSENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	DIBENZOFURAN	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	FLUORANTHENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	FLUORENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	ISOPHORONE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	NAPHTHALENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	NITROBENZENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	PENTACHLOROPHENOL	31	U	31	UG/L	SVOC	27-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP17S972	PHENANTHRENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	PHENOL	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	PYRENE	10	U	10	UG/L	SVOC	27-Jun-97
MP17S972	1,1,1,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,1-DICHLOROETHENE	3.9		1.0	UG/L	VOC	27-Jun-97
MP17S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2,3-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2,3-TRICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2,4-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2,4-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2-DIBROMO-3-CHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2-DIBROMOETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,3,5-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,3-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,3-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1,4-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	1-CHLOROHEXANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	2,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	2-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	4-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	BENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	BROMOBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	BROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	CIS-1,2-DICHLOROETHENE	1100	E	1.0	UG/L	VOC	27-Jun-97
MP17S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	DIBROMOMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	DICHLORODIFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	HEXACHLOROBUTADIENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	ISOPROPYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	N-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	N-PROPYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	NAPHTHALENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	P-ISOPROPYLTOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	SEC-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	STYRENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	TERT-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	27-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP17S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	TOLUENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	TRANS-1,2-DICHLOROETHENE	65	E	1.0	UG/L	VOC	27-Jun-97
MP17S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	TRICHLOROFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	VINYL ACETATE	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972	VINYL CHLORIDE	600	E	1.0	UG/L	VOC	27-Jun-97
MP17S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	27-Jun-97
MP17S972DL	1,1,1,2-TETRACHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,1,1-TRICHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,1,2,2-TETRACHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,1,2-TRICHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,1-DICHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,1-DICHLOROETHENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,1-DICHLOROPROPENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2,3-TRICHLOROBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2,3-TRICHLOROPROPANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2,4-TRICHLOROBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2,4-TRIMETHYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2-DIBROMO-3-CHLOROPROPANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2-DIBROMOETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2-DICHLOROBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2-DICHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,2-DICHLOROPROPANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,3,5-TRIMETHYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,3-DICHLOROBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,3-DICHLOROPROPANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1,4-DICHLOROBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	1-CHLOROHEXANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	2,2-DICHLOROPROPANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	2-CHLOROTOLUENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	4-CHLOROTOLUENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	BENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	BROMOBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	BROMOCHLOROMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	BROMODICHLOROMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	BROMOFORM	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	BROMOMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	CARBON TETRACHLORIDE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	CHLOROBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	CHLOROETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	CHLOROFORM	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	CHLOROMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	CIS-1,2-DICHLOROETHENE	940	D	100	UG/L	VOC	27-Jun-97
MP17S972DL	CIS-1,3-DICHLOROPROPENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	DIBROMOCHLOROMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	DIBROMOMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	DICHLORODIFLUOROMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	ETHYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	HEXACHLOROBUTADIENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	ISOPROPYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	M&P-XYLENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	METHYLENE CHLORIDE	140	DB	100	UG/L	VOC	27-Jun-97
MP17S972DL	N-BUTYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	N-PROPYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP17S972DL	NAPHTHALENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	O-XYLENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	P-ISOPROPYLTOLUENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	SEC-BUTYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	STYRENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TERT-BUTYLBENZENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TETRACHLOROETHENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TOLUENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TRANS-1,2-DICHLOROETHENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TRANS-1,3-DICHLOROPROPENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TRICHLOROETHENE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	TRICHLOROFLUOROMETHANE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	VINYL ACETATE	100	U	100	UG/L	VOC	27-Jun-97
MP17S972DL	VINYL CHLORIDE	520	D	100	UG/L	VOC	27-Jun-97
MP17S972DL	XYLENE (TOTAL)	100	U	100	UG/L	VOC	27-Jun-97
MP2D972	CHLORIDE (AS CL)	6.04		0.5	MG/L	GENCHEM	01-Jul-97
MP2D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	01-Jul-97
MP2D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	01-Jul-97
MP2D972	SULFATE (AS SO4)	59.2		10	MG/L	GENCHEM	01-Jul-97
MP2D972	TOTAL ORGANIC CARBON	3.5		1.0	MG/L	GENCHEM	01-Jul-97
MP2D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	01-Jul-97
MP2D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	1-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	2-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	01-Jul-97
MP2D972	3-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	01-Jul-97
MP2D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	4-NITROANILINE	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP2D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BENZOIC ACID	50	U	50	UG/L	SVOC	01-Jul-97
MP2D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	CARBAZOLE	20	U	20	UG/L	SVOC	01-Jul-97
MP2D972	CHRYSENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	FLUORANTHENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	FLUORENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	ISOPHORONE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	NAPHTHALENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	NITROBENZENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	01-Jul-97
MP2D972	PHENANTHRENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	PHENOL	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	PYRENE	10	U	10	UG/L	SVOC	01-Jul-97
MP2D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	ACETONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	BENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97

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RCRA
SITE 1 (HWSA) GROUNDWATER
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SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP2D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	STYRENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	TOLUENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	TRICHLOROETHENE	4.4		1.0	UG/L	VOC	01-Jul-97
MP2D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	01-Jul-97
MP2S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	ACETONE	8.9	B	1.0	UG/L	VOC	01-Jul-97
MP2S972	BENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	STYRENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	TOLUENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP2S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	01-Jul-97
MP3D972	CHLORIDE (AS CL)	6.7		0.5	MG/L	GENCHEM	23-Jun-97
MP3D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	23-Jun-97
MP3D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	23-Jun-97
MP3D972	SULFATE (AS SO4)	47		1	MG/L	GENCHEM	23-Jun-97
MP3D972	TOTAL ORGANIC CARBON	2.5		1	MG/L	GENCHEM	23-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP3D972	GASOLINE RANGE ORGANICS	50	U	0.0	UG/L	GRO	23-Jun-97
MP3D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	2-NITROANILINE	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	23-Jun-97
MP3D972	3-NITROANILINE	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	23-Jun-97
MP3D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	4-NITROANILINE	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	ANTHRACENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BENZOIC ACID	50	U	50	UG/L	SVOC	23-Jun-97
MP3D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	CARBAZOLE	20	U	20	UG/L	SVOC	23-Jun-97
MP3D972	CHRYSENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	FLUORANTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	FLUORENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	23-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP3D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	ISOPHORONE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	NAPHTHALENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	NITROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	23-Jun-97
MP3D972	PHENANTHRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	PHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	PYRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP3D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	ACETONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	BENZENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	STYRENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	TOLUENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP3S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	24-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP3S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	ACETONE	3.5	B	1.0	UG/L	VOC	24-Jun-97
MP3S972	BENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	STYRENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	TOLUENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP3S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP4D972	CHLORIDE (AS CL)	4.34		0.5	MG/L	GENCHEM	23-Jun-97
MP4D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	23-Jun-97
MP4D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	23-Jun-97
MP4D972	SULFATE (AS SO4)	68.6		10	MG/L	GENCHEM	23-Jun-97
MP4D972	TOTAL ORGANIC CARBON	2.3		1	MG/L	GENCHEM	23-Jun-97
MP4D972	GASOLINE RANGE ORGANICS	50	U	0.0	UG/L	GRO	23-Jun-97
MP4D972	1,2,4-TRICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	1,2-DICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	1,3-DICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	1,4-DICHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,4,5-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,4,6-TRICHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,4-DICHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,4-DIMETHYLPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,4-DINITROPHENOL	50	U	50	UG/L	SVOC	23-Jun-97
MP4D972	2,4-DINITROTOLUENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2,6-DINITROTOLUENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2-CHLORONAPHTHALENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2-CHLOROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2-METHYLNAPHTHALENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2-METHYLPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	2-NITROANILINE	50	U	50	UG/L	SVOC	23-Jun-97
MP4D972	2-NITROPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	3,3'-DICHLOROBENZIDINE	20	U	20	UG/L	SVOC	23-Jun-97
MP4D972	3-NITROANILINE	50	U	50	UG/L	SVOC	23-Jun-97
MP4D972	4,6-DINITRO-2-METHYLPHENOL	50	U	50	UG/L	SVOC	23-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP4D972	4-BROMOPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	4-CHLORO-3-METHYLPHENOL	20	U	20	UG/L	SVOC	23-Jun-97
MP4D972	4-CHLOROANILINE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	4-CHLOROPHENYL-PHENYLETHER	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	4-METHYLPHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	4-NITROANILINE	50	U	50	UG/L	SVOC	23-Jun-97
MP4D972	4-NITROPHENOL	50	U	50	UG/L	SVOC	23-Jun-97
MP4D972	ACENAPHTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	ACENAPHTHYLENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	ANTHRACENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BENZO(A)ANTHRACENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BENZO(A)PYRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BENZO(B)FLUORANTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BENZO(G,H,I)PERYLENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BENZO(K)FLUORANTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BENZOIC ACID	50	U	50	UG/L	SVOC	23-Jun-97
MP4D972	BENZYL ALCOHOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BIS(2-CHLOROETHOXY)METHANE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BIS(2-CHLOROETHYL)ETHER	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BIS(2-ETHYLHEXYL)PHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	BUTYLBENZYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	CARBAZOLE	20	U	20	UG/L	SVOC	23-Jun-97
MP4D972	CHRYSENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	DI-N-BUTYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	DI-N-OCTYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	DIBENZ(A,H)ANTHRACENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	DIBENZOFURAN	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	DIETHYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	DIMETHYLPHTHALATE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	FLUORANTHENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	FLUORENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	HEXACHLOROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	HEXACHLOROBUTADIENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	HEXACHLOROCYCLOPENTADIENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	HEXACHLOROETHANE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	INDENO(1,2,3-CD)PYRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	ISOPHORONE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	N-NITROSO-DI-N-PROPYLAMINE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	N-NITROSODIPHENYLAMINE (1)	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	NAPHTHALENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	NITROBENZENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	PENTACHLOROPHENOL	30	U	30	UG/L	SVOC	23-Jun-97
MP4D972	PHENANTHRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	PHENOL	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	PYRENE	10	U	10	UG/L	SVOC	23-Jun-97
MP4D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	23-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP4D972	ACETONE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	BENZENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CARBON DISULFIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CHLOROETHANE	1.6		1.0	UG/L	VOC	23-Jun-97
MP4D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	STYRENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	TOLUENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972	VINYL CHLORIDE	55	E	1.0	UG/L	VOC	23-Jun-97
MP4D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,1,1-TRICHLOROETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,1,2,2-TETRACHLOROETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,1,2-TRICHLOROETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,1-DICHLOROETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,1-DICHLOROETHENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,1-DICHLOROPROPENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,2-DICHLOROETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	1,2-DICHLOROPROPANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	2-BUTANONE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	2-HEXANONE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	4-METHYL-2-PENTANONE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	ACETONE	17	DB	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	BENZENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	BROMODICHLOROMETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	BROMOFORM	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	BROMOMETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CARBON DISULFIDE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CARBON TETRACHLORIDE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CHLOROBENZENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CHLOROETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CHLOROFORM	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CHLOROMETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CIS-1,2-DICHLOROETHENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	DIBROMOCHLOROMETHANE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	ETHYLBENZENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	M&P-XYLENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	METHYLENE CHLORIDE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	O-XYLENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	STYRENE	5.0	U	5.0	UG/L	VOC	23-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP4D972DL	TETRACHLOROETHENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	TOLUENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	TRICHLOROETHENE	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	VINYL CHLORIDE	44	D	5.0	UG/L	VOC	23-Jun-97
MP4D972DL	XYLENE (TOTAL)	5.0	U	5.0	UG/L	VOC	23-Jun-97
MP4S972	ALKALINITY, BICARBONATE (AS CACO3)	447		5.0	MG/L	GENCHEM	18-Jun-97
MP4S972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	18-Jun-97
MP4S972	ALKALINITY, TOTAL (AS CaCO3)	447		5.0	MG/L	GENCHEM	18-Jun-97
MP4S972	CHLORIDE (AS CL)	8.42		1.0	MG/L	GENCHEM	18-Jun-97
MP4S972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	18-Jun-97
MP4S972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	18-Jun-97
MP4S972	SULFATE (AS SO4)	341		1.0	MG/L	GENCHEM	18-Jun-97
MP4S972	TOTAL ORGANIC CARBON	3.2		1.0	MG/L	GENCHEM	18-Jun-97
MP4S972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	18-Jun-97
MP4S972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	1-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,4-DINITROPHENOL	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	2-NITROANILINE	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	2-NITROPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	18-Jun-97
MP4S972	3-NITROANILINE	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	4,6-DINITRO-2-METHYLPHENOL	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	18-Jun-97
MP4S972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	4-NITROANILINE	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	4-NITROPHENOL	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	ACENAPHTHENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	ANTHRACENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BENZOIC ACID	56	U	56	UG/L	SVOC	18-Jun-97
MP4S972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	18-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP4S972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	BIS(2-ETHYLHEXYL)PHTHALATE	4	J	11	UG/L	SVOC	18-Jun-97
MP4S972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	CARBAZOLE	22	U	22	UG/L	SVOC	18-Jun-97
MP4S972	CHRYSENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	DIBENZOFURAN	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	FLUORANTHENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	FLUORENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	ISOPHORONE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	NAPHTHALENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	NITROBENZENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	PENTACHLOROPHENOL	34	U	34	UG/L	SVOC	18-Jun-97
MP4S972	PHENANTHRENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	PHENOL	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	PYRENE	11	U	11	UG/L	SVOC	18-Jun-97
MP4S972	1,1,1,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2,3-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2,3-TRICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2,4-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2,4-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2-DIBROMO-3-CHLOROPROPANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2-DIBROMOETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,3,5-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,3-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,3-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1,4-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	1-CHLOROHEXANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	2,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	2-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	4-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	BENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	BROMOBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	BROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	18-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP4S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	DIBROMOMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	DICHLORODIFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	HEXACHLOROBUTADIENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	ISOPROPYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	N-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	N-PROPYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	NAPHTHALENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	P-ISOPROPYLTOLUENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	SEC-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	STYRENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TERT-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TOLUENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	TRICHLOROFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	VINYL ACETATE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP4S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	18-Jun-97
MP6D972	ALKALINITY, BICARBONATE (AS CACO3)	354		5.0	MG/L	GENCHEM	19-Jun-97
MP6D972	ALKALINITY, CARBONATE (AS CACO3)	5.0	U	5.0	MG/L	GENCHEM	19-Jun-97
MP6D972	ALKALINITY, TOTAL (AS CaCO3)	354		5.0	MG/L	GENCHEM	19-Jun-97
MP6D972	CHLORIDE (AS CL)	6.01		1.0	MG/L	GENCHEM	19-Jun-97
MP6D972	NITROGEN, NITRATE (AS N)	0.1	U	0.1	MG/L	GENCHEM	19-Jun-97
MP6D972	NITROGEN, NITRITE	0.1	U	0.1	MG/L	GENCHEM	19-Jun-97
MP6D972	SULFATE (AS SO4)	75.7		10	MG/L	GENCHEM	19-Jun-97
MP6D972	TOTAL ORGANIC CARBON	2.4		1.0	MG/L	GENCHEM	19-Jun-97
MP6D972	GASOLINE RANGE ORGANICS	50	U	50	UG/L	GRO	19-Jun-97
MP6D972	1,2,4-TRICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	1,2-DICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	1,3-DICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	1,4-DICHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	1-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,4,5-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,4,6-TRICHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,4-DICHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,4-DIMETHYLPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,4-DINITROPHENOL	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	2,4-DINITROTOLUENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2,6-DINITROTOLUENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2-CHLORONAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP6D972	2-CHLOROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2-METHYLNAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2-METHYLPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	2-NITROANILINE	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	2-NITROPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	3,3'-DICHLOROBENZIDINE	22	U	22	UG/L	SVOC	19-Jun-97
MP6D972	3-NITROANILINE	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	4,6-DINITRO-2-METHYLPHENOL	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	4-BROMOPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	4-CHLORO-3-METHYLPHENOL	22	U	22	UG/L	SVOC	19-Jun-97
MP6D972	4-CHLOROANILINE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	4-CHLOROPHENYL-PHENYLETHER	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	4-METHYLPHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	4-NITROANILINE	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	4-NITROPHENOL	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	ACENAPHTHENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	ACENAPHTHYLENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	ANTHRACENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BENZO(A)ANTHRACENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BENZO(A)PYRENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BENZO(B)FLUORANTHENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BENZO(G,H,I)PERYLENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BENZO(K)FLUORANTHENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BENZOIC ACID	54	U	54	UG/L	SVOC	19-Jun-97
MP6D972	BENZYL ALCOHOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BIS(2-CHLOROETHOXY)METHANE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BIS(2-CHLOROETHYL)ETHER	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	BIS(2-ETHYLHEXYL)PHTHALATE	6	J	11	UG/L	SVOC	19-Jun-97
MP6D972	BUTYLBENZYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	CARBAZOLE	22	U	22	UG/L	SVOC	19-Jun-97
MP6D972	CHRYSENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	DI-N-BUTYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	DI-N-OCTYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	DIBENZ(A,H)ANTHRACENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	DIBENZOFURAN	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	DIETHYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	DIMETHYLPHTHALATE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	FLUORANTHENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	FLUORENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	HEXACHLOROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	HEXACHLOROBUTADIENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	HEXACHLOROCYCLOPENTADIENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	HEXACHLOROETHANE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	INDENO(1,2,3-CD)PYRENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	ISOPHORONE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	N-NITROSO-DI-N-PROPYLAMINE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	N-NITROSODIPHENYLAMINE (1)	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	NAPHTHALENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	NITROBENZENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	PENTACHLOROPHENOL	32	U	32	UG/L	SVOC	19-Jun-97
MP6D972	PHENANTHRENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	PHENOL	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	PYRENE	11	U	11	UG/L	SVOC	19-Jun-97
MP6D972	1,1,1,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP6D972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2,3-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2,3-TRICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2,4-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2,4-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2-DIBROMO-3-CHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2-DIBROMOETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,3,5-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,3-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,3-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1,4-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	1-CHLOROHEXANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	2,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	2-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	4-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	BENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	BROMOBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	BROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	BROMOFORM	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	DIBROMOMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	DICHLORODIFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	HEXACHLOROBUTADIENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	ISOPROPYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	N-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	N-PROPYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	NAPHTHALENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	O-XYLENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	P-ISOPROPYLTOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	SEC-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	STYRENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TERT-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TOLUENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	TRICHLOROFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	19-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP6D972	VINYL ACETATE	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6D972	VINYL CHLORIDE	2.8		1.0	UG/L	VOC	19-Jun-97
MP6D972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	19-Jun-97
MP6S972	GASOLINE RANGE ORGANICS	200		50	UG/L	GRO	20-Jun-97
MP6S972	1,1,1,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2,3-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2,3-TRICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2,4-TRICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2,4-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2-DIBROMO-3-CHLOROPROPANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2-DIBROMOETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,3,5-TRIMETHYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,3-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,3-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1,4-DICHLOROBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	1-CHLOROHEXANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	2,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	2-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	4-CHLOROTOLUENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	BENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	BROMOBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	BROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	DIBROMOMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	DICHLORODIFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	HEXACHLOROBUTADIENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	ISOPROPYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	N-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	N-PROPYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	NAPHTHALENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	P-ISOPROPYLTOLUENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	SEC-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	STYRENE	1.0	U	1.0	UG/L	VOC	20-Jun-97

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	TEST PANEL	SAMPLE DATE
MP6S972	TERT-BUTYLBENZENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	TOLUENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	TRICHLOROFLUOROMETHANE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	VINYL ACETATE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP6S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	20-Jun-97
MP8S972	GASOLINE RANGE ORGANICS	50	U	0.0	UG/L	GRO	24-Jun-97
MP8S972	1,1,1-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,1,2,2-TETRACHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,1,2-TRICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,1-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,1-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,1-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,2-DICHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	1,2-DICHLOROPROPANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	2-BUTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	2-HEXANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	4-METHYL-2-PENTANONE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	ACETONE	2.7	B	1.0	UG/L	VOC	24-Jun-97
MP8S972	BENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	BROMODICHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	BROMOFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	BROMOMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CARBON DISULFIDE	1.3		1.0	UG/L	VOC	24-Jun-97
MP8S972	CARBON TETRACHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CHLOROBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CHLOROETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CHLOROFORM	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CIS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	CIS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	DIBROMOCHLOROMETHANE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	ETHYLBENZENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	M&P-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	METHYLENE CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	O-XYLENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	STYRENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	TETRACHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	TOLUENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	TRANS-1,2-DICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	TRANS-1,3-DICHLOROPROPENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	TRICHLOROETHENE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	VINYL CHLORIDE	1.0	U	1.0	UG/L	VOC	24-Jun-97
MP8S972	XYLENE (TOTAL)	1.0	U	1.0	UG/L	VOC	24-Jun-97

APPENDIX C-4.2

QA/QC SAMPLE RESULTS

Data Qualifier Definitions

J - The analyte is present, but the reported concentration is an estimate

B - The analyte was detected in a method blank sample

D - Reported concentration is from a diluted sample

E - The analyte is present, but the reported concentration is an estimate.

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1FB1972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	114			PERCENT	6/24/97	VOC
1FB1972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	98			PERCENT	6/24/97	VOC
1FB1972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	ACETONE	QC SAMPLE	6.3	B	1.0	UG/L	6/24/97	VOC
1FB1972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	38			PERCENT	6/24/97	VOC
1FB1972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	TOLUENE-D8 (S)	QC SAMPLE	100			PERCENT	6/24/97	VOC
1FB1972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	130			PERCENT	6/24/97	VOC
1FB1972RE	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	90			PERCENT	6/24/97	VOC
1FB1972RE	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	ACETONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	124			PERCENT	6/24/97	VOC
1FB1972RE	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

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1FB1972RE	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	TOLUENE-D8 (S)	QC SAMPLE	102			PERCENT	6/24/97	VOC
1FB1972RE	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB1972RE	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FB2972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	122			PERCENT	7/1/97	VOC
1FB2972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	96			PERCENT	7/1/97	VOC
1FB2972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	ACETONE	QC SAMPLE	4.3	B	1.0	UG/L	7/1/97	VOC
1FB2972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	METHYLENE CHLORIDE	QC SAMPLE	2.0		1.0	UG/L	7/1/97	VOC
1FB2972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	TOLUENE-D8 (S)	QC SAMPLE	104			PERCENT	7/1/97	VOC
1FB2972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FB2972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD1972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	122			PERCENT	6/24/97	VOC
1FD1972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	96			PERCENT	6/24/97	VOC
1FD1972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	ACETONE	QC SAMPLE	3.7	B	1.0	UG/L	6/24/97	VOC
1FD1972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1FD1972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.9		1.0	UG/L	6/24/97	VOC
1FD1972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	110			PERCENT	6/24/97	VOC
1FD1972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	TOLUENE-D8 (S)	QC SAMPLE	104			PERCENT	6/24/97	VOC
1FD1972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	TRICHLOROETHENE	QC SAMPLE	24		1.0	UG/L	6/24/97	VOC
1FD1972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD1972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1FD2972	1,1,1,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,1-DICHLOROETHENE	QC SAMPLE	3.3		1.0	UG/L	6/27/97	VOC
1FD2972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2,3-TRICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2,3-TRICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2,4-TRICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2,4-TRIMETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2-DIBROMO-3-CHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2-DIBROMOETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2-DICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	124			PERCENT	6/27/97	VOC
1FD2972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,3,5-TRIMETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,3-DICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,3-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1,4-DICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	1-CHLOROHEXANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	2,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	2-CHLOROTOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	94			PERCENT	6/27/97	VOC
1FD2972	4-CHLOROTOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	BROMOBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	BROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	920	E	1.0	UG/L	6/27/97	VOC
1FD2972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	110			PERCENT	6/27/97	VOC
1FD2972	DIBROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	DICHLORODIFLUOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	HEXACHLOROBUTADIENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	ISOPROPYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	N-BUTYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	N-PROPYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	NAPHTHALENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	P-ISOPROPYLTOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	SEC-BUTYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	TERT-BUTYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1FD2972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	TOLUENE-D8 (S)	QC SAMPLE	102			PERCENT	6/27/97	VOC
1FD2972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	55	E	1.0	UG/L	6/27/97	VOC
1FD2972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	TRICHLOROFLUOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	VINYL ACETATE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972	VINYL CHLORIDE	QC SAMPLE	510	E	1.0	UG/L	6/27/97	VOC
1FD2972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1FD2972DL	1,1,1,2-TETRACHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,1,1-TRICHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,1,2-TRICHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,1-DICHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,1-DICHLOROETHENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,1-DICHLOROPROPENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2,3-TRICHLOROBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2,3-TRICHLOROPROPANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2,4-TRICHLOROBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2,4-TRIMETHYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2-DIBROMO-3-CHLOROPROPANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2-DIBROMOETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2-DICHLOROBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2-DICHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	128			PERCENT	6/27/97	VOC
1FD2972DL	1,2-DICHLOROPROPANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,3,5-TRIMETHYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,3-DICHLOROBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,3-DICHLOROPROPANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1,4-DICHLOROBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	1-CHLOROHEXANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	2,2-DICHLOROPROPANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	2-CHLOROTOLUENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	96			PERCENT	6/27/97	VOC
1FD2972DL	4-CHLOROTOLUENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	BENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	BROMOBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	BROMOCHLOROMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	BROMODICHLOROMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	BROMOFORM	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	BROMOMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	CARBON TETRACHLORIDE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	CHLOROBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	CHLOROETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	CHLOROFORM	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	CHLOROMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1000	D	100	UG/L	6/27/97	VOC
1FD2972DL	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	DIBROMOCHLOROMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	114			PERCENT	6/27/97	VOC
1FD2972DL	DIBROMOMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	DICHLORODIFLUOROMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	ETHYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	HEXACHLOROBUTADIENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	ISOPROPYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	M&P-XYLENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	METHYLENE CHLORIDE	QC SAMPLE	130	DB	100	UG/L	6/27/97	VOC
1FD2972DL	N-BUTYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	N-PROPYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	NAPHTHALENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	O-XYLENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	P-ISOPROPYLTOLUENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	SEC-BUTYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	STYRENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TERT-BUTYLBENZENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TETRACHLOROETHENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TOLUENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TOLUENE-D8 (S)	QC SAMPLE	100			PERCENT	6/27/97	VOC
1FD2972DL	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TRICHLOROETHENE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	TRICHLOROFLUOROMETHANE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1FD2972DL	VINYL ACETATE	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD2972DL	VINYL CHLORIDE	QC SAMPLE	540	D	100	UG/L	6/27/97	VOC
1FD2972DL	XYLENE (TOTAL)	QC SAMPLE	100	U	100	UG/L	6/27/97	VOC
1FD3972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	118			PERCENT	7/1/97	VOC
1FD3972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	96			PERCENT	7/1/97	VOC
1FD3972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	ACETONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	TOLUENE-D8 (S)	QC SAMPLE	106			PERCENT	7/1/97	VOC
1FD3972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	TRICHLOROETHENE	QC SAMPLE	4.7		1.0	UG/L	7/1/97	VOC
1FD3972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD3972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1FD4972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	116			PERCENT	7/10/97	VOC
1FD4972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	92			PERCENT	7/10/97	VOC
1FD4972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	ACETONE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1FD4972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	TOLUENE-D8 (S)	QC SAMPLE	102			PERCENT	7/10/97	VOC
1FD4972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1FD4972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	7/10/97	VOC
1MW101D972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/9/97	GRO
1MW101D972	1,2-DICHLOROBENZENE-D4	SUR	34			PERCENT	7/9/97	SVOC
1MW101D972	2,4,6-TRIBROMOPHENOL	SUR	40			PERCENT	7/9/97	SVOC
1MW101D972	2-CHLOROPHENOL-D4	SUR	37			PERCENT	7/9/97	SVOC
1MW101D972	2-FLUOROBIPHENYL	SUR	40			PERCENT	7/9/97	SVOC
1MW101D972	2-FLUOROPHENOL	SUR	36			PERCENT	7/9/97	SVOC
1MW101D972	NITROBENZENE-D5	SUR	39			PERCENT	7/9/97	SVOC
1MW101D972	PHENOL-D6	SUR	34			PERCENT	7/9/97	SVOC
1MW101D972	TERPHENYL-D14	SUR	49			PERCENT	7/9/97	SVOC
1MW101D972	1,2-DICHLOROETHANE D4 (S)	SUR	104			PERCENT	7/9/97	VOC
1MW101D972	4-BROMOFLUOROBENZENE (S)	SUR	86			PERCENT	7/9/97	VOC
1MW101D972	TOLUENE-D8 (S)	SUR	108			PERCENT	7/9/97	VOC
1MW101D972MS	TOTAL ORGANIC CARBON	MS	5.62		1.0	MG/L	7/9/97	GENCHEM
1MW101D972MSD	TOTAL ORGANIC CARBON	MSD	5.44		1.0	MG/L	7/9/97	GENCHEM
1MW101S972	FLUOROBENZENE (S)	SUR	97			PERCENT	7/9/97	GRO
1MW101S972	1,2-DICHLOROBENZENE-D4	SUR	67			PERCENT	7/9/97	SVOC
1MW101S972	2,4,6-TRIBROMOPHENOL	SUR	82			PERCENT	7/9/97	SVOC
1MW101S972	2-CHLOROPHENOL-D4	SUR	71			PERCENT	7/9/97	SVOC
1MW101S972	2-FLUOROBIPHENYL	SUR	78			PERCENT	7/9/97	SVOC
1MW101S972	2-FLUOROPHENOL	SUR	68			PERCENT	7/9/97	SVOC
1MW101S972	NITROBENZENE-D5	SUR	76			PERCENT	7/9/97	SVOC
1MW101S972	PHENOL-D6	SUR	68			PERCENT	7/9/97	SVOC
1MW101S972	TERPHENYL-D14	SUR	97			PERCENT	7/9/97	SVOC
1MW101S972	1,2-DICHLOROETHANE D4 (S)	SUR	118			PERCENT	7/9/97	VOC
1MW101S972	4-BROMOFLUOROBENZENE (S)	SUR	94			PERCENT	7/9/97	VOC
1MW101S972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/9/97	VOC
1MW101S972DL	1,2-DICHLOROETHANE D4 (S)	SUR	132			PERCENT	7/9/97	VOC
1MW101S972DL	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/9/97	VOC
1MW101S972DL	TOLUENE-D8 (S)	SUR	100			PERCENT	7/9/97	VOC
1MW101S972MS	ALKALINITY, TOTAL (AS CaCO3)	MS	418		5.0	MG/L	7/9/97	GENCHEM
1MW101S972MS	MERCURY	MS	5.303		0.20	UG/L	7/9/97	METALS
1MW101S972MS	MERCURY-D	MS	5.239		0.20	UG/L	7/9/97	METALS
1MW101S972MSD	MERCURY	MSD	5.256		0.20	UG/L	7/9/97	METALS
1MW101S972MSD	MERCURY-D	MSD	5.145		0.20	UG/L	7/9/97	METALS
1MW102972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/9/97	GRO
1MW102972	1,2-DICHLOROBENZENE-D4	SUR	68			PERCENT	7/9/97	SVOC
1MW102972	2,4,6-TRIBROMOPHENOL	SUR	82			PERCENT	7/9/97	SVOC
1MW102972	2-CHLOROPHENOL-D4	SUR	72			PERCENT	7/9/97	SVOC
1MW102972	2-FLUOROBIPHENYL	SUR	82			PERCENT	7/9/97	SVOC
1MW102972	2-FLUOROPHENOL	SUR	69			PERCENT	7/9/97	SVOC
1MW102972	NITROBENZENE-D5	SUR	76			PERCENT	7/9/97	SVOC
1MW102972	PHENOL-D6	SUR	71			PERCENT	7/9/97	SVOC
1MW102972	TERPHENYL-D14	SUR	92			PERCENT	7/9/97	SVOC
1MW102972	1,2-DICHLOROETHANE D4 (S)	SUR	124			PERCENT	7/9/97	VOC
1MW102972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/9/97	VOC
1MW102972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/9/97	VOC
1MW102D972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/9/97	GRO
1MW102D972	1,2-DICHLOROBENZENE-D4	SUR	64			PERCENT	7/9/97	SVOC
1MW102D972	2,4,6-TRIBROMOPHENOL	SUR	82			PERCENT	7/9/97	SVOC
1MW102D972	2-CHLOROPHENOL-D4	SUR	70			PERCENT	7/9/97	SVOC
1MW102D972	2-FLUOROBIPHENYL	SUR	79			PERCENT	7/9/97	SVOC
1MW102D972	2-FLUOROPHENOL	SUR	67			PERCENT	7/9/97	SVOC
1MW102D972	NITROBENZENE-D5	SUR	73			PERCENT	7/9/97	SVOC
1MW102D972	PHENOL-D6	SUR	67			PERCENT	7/9/97	SVOC
1MW102D972	TERPHENYL-D14	SUR	92			PERCENT	7/9/97	SVOC
1MW102D972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	7/9/97	VOC
1MW102D972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/9/97	VOC
1MW102D972	TOLUENE-D8 (S)	SUR	104			PERCENT	7/9/97	VOC
1MW103D972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/10/97	GRO
1MW103D972	1,2-DICHLOROBENZENE-D4	SUR	63			PERCENT	7/10/97	SVOC
1MW103D972	2,4,6-TRIBROMOPHENOL	SUR	76			PERCENT	7/10/97	SVOC
1MW103D972	2-CHLOROPHENOL-D4	SUR	64			PERCENT	7/10/97	SVOC
1MW103D972	2-FLUOROBIPHENYL	SUR	73			PERCENT	7/10/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

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1MW103D972	2-FLUOROPHENOL	SUR	62			PERCENT	7/10/97	SVOC
1MW103D972	NITROBENZENE-D5	SUR	70			PERCENT	7/10/97	SVOC
1MW103D972	PHENOL-D6	SUR	62			PERCENT	7/10/97	SVOC
1MW103D972	TERPHENYL-D14	SUR	98			PERCENT	7/10/97	SVOC
1MW103D972	1,2-DICHLOROETHANE D4 (S)	SUR	122			PERCENT	7/10/97	VOC
1MW103D972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/10/97	VOC
1MW103D972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/10/97	VOC
1MW103S972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/10/97	GRO
1MW103S972	1,2-DICHLOROBENZENE-D4	SUR	70			PERCENT	7/10/97	SVOC
1MW103S972	2,4,6-TRIBROMOPHENOL	SUR	79			PERCENT	7/10/97	SVOC
1MW103S972	2-CHLOROPHENOL-D4	SUR	71			PERCENT	7/10/97	SVOC
1MW103S972	2-FLUOROBIPHENYL	SUR	80			PERCENT	7/10/97	SVOC
1MW103S972	2-FLUOROPHENOL	SUR	69			PERCENT	7/10/97	SVOC
1MW103S972	NITROBENZENE-D5	SUR	79			PERCENT	7/10/97	SVOC
1MW103S972	PHENOL-D6	SUR	69			PERCENT	7/10/97	SVOC
1MW103S972	TERPHENYL-D14	SUR	92			PERCENT	7/10/97	SVOC
1MW103S972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	7/10/97	VOC
1MW103S972	4-BROMOFLUOROBENZENE (S)	SUR	94			PERCENT	7/10/97	VOC
1MW103S972	TOLUENE-D8 (S)	SUR	104			PERCENT	7/10/97	VOC
1MW104D972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/10/97	GRO
1MW104D972	1,2-DICHLOROBENZENE-D4	SUR	66			PERCENT	7/10/97	SVOC
1MW104D972	2,4,6-TRIBROMOPHENOL	SUR	74			PERCENT	7/10/97	SVOC
1MW104D972	2-CHLOROPHENOL-D4	SUR	65			PERCENT	7/10/97	SVOC
1MW104D972	2-FLUOROBIPHENYL	SUR	73			PERCENT	7/10/97	SVOC
1MW104D972	2-FLUOROPHENOL	SUR	62			PERCENT	7/10/97	SVOC
1MW104D972	NITROBENZENE-D5	SUR	74			PERCENT	7/10/97	SVOC
1MW104D972	PHENOL-D6	SUR	64			PERCENT	7/10/97	SVOC
1MW104D972	TERPHENYL-D14	SUR	77			PERCENT	7/10/97	SVOC
1MW104D972	1,2-DICHLOROETHANE D4 (S)	SUR	126			PERCENT	7/10/97	VOC
1MW104D972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/10/97	VOC
1MW104D972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/10/97	VOC
1MW105D972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/11/97	GRO
1MW105D972	1,2-DICHLOROBENZENE-D4	SUR	54			PERCENT	7/11/97	SVOC
1MW105D972	2,4,6-TRIBROMOPHENOL	SUR	81			PERCENT	7/11/97	SVOC
1MW105D972	2-CHLOROPHENOL-D4	SUR	64			PERCENT	7/11/97	SVOC
1MW105D972	2-FLUOROBIPHENYL	SUR	76			PERCENT	7/11/97	SVOC
1MW105D972	2-FLUOROPHENOL	SUR	59			PERCENT	7/11/97	SVOC
1MW105D972	NITROBENZENE-D5	SUR	67			PERCENT	7/11/97	SVOC
1MW105D972	PHENOL-D6	SUR	48			PERCENT	7/11/97	SVOC
1MW105D972	TERPHENYL-D14	SUR	80			PERCENT	7/11/97	SVOC
1MW105D972	1,2-DICHLOROETHANE D4 (S)	SUR	130			PERCENT	7/11/97	VOC
1MW105D972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/11/97	VOC
1MW105D972	TOLUENE-D8 (S)	SUR	100			PERCENT	7/11/97	VOC
1MW105S972	FLUOROBENZENE (S)	SUR	112			PERCENT	7/11/97	GRO
1MW105S972	1,2-DICHLOROBENZENE-D4	SUR	50			PERCENT	7/11/97	SVOC
1MW105S972	2,4,6-TRIBROMOPHENOL	SUR	81			PERCENT	7/11/97	SVOC
1MW105S972	2-CHLOROPHENOL-D4	SUR	64			PERCENT	7/11/97	SVOC
1MW105S972	2-FLUOROBIPHENYL	SUR	56			PERCENT	7/11/97	SVOC
1MW105S972	2-FLUOROPHENOL	SUR	60			PERCENT	7/11/97	SVOC
1MW105S972	NITROBENZENE-D5	SUR	67			PERCENT	7/11/97	SVOC
1MW105S972	PHENOL-D6	SUR	62			PERCENT	7/11/97	SVOC
1MW105S972	TERPHENYL-D14	SUR	78			PERCENT	7/11/97	SVOC
1MW105S972	1,2-DICHLOROETHANE D4 (S)	SUR	128			PERCENT	7/11/97	VOC
1MW105S972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	7/11/97	VOC
1MW105S972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/11/97	VOC
1MW106D972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/10/97	GRO
1MW106D972	1,2-DICHLOROBENZENE-D4	SUR	64			PERCENT	7/10/97	SVOC
1MW106D972	2,4,6-TRIBROMOPHENOL	SUR	65			PERCENT	7/10/97	SVOC
1MW106D972	2-CHLOROPHENOL-D4	SUR	47			PERCENT	7/10/97	SVOC
1MW106D972	2-FLUOROBIPHENYL	SUR	74			PERCENT	7/10/97	SVOC
1MW106D972	2-FLUOROPHENOL	SUR	47			PERCENT	7/10/97	SVOC
1MW106D972	NITROBENZENE-D5	SUR	73			PERCENT	7/10/97	SVOC
1MW106D972	PHENOL-D6	SUR	44			PERCENT	7/10/97	SVOC
1MW106D972	TERPHENYL-D14	SUR	82			PERCENT	7/10/97	SVOC
1MW106D972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	7/10/97	VOC
1MW106D972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	7/10/97	VOC
1MW106D972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/10/97	VOC
1MW106D972DL	1,2-DICHLOROETHANE D4 (S)	SUR	110			PERCENT	7/10/97	VOC
1MW106D972DL	4-BROMOFLUOROBENZENE (S)	SUR	94			PERCENT	7/10/97	VOC
1MW106D972DL	TOLUENE-D8 (S)	SUR	106			PERCENT	7/10/97	VOC
1MW10972	FLUOROBENZENE (S)	SUR	98			PERCENT	6/26/97	GRO
1MW10972	1,2-DICHLOROBENZENE-D4	SUR	87			PERCENT	6/26/97	SVOC
1MW10972	2,4,6-TRIBROMOPHENOL	SUR	125			PERCENT	6/26/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1MW10972	2-CHLOROPHENOL-D4	SUR	77			PERCENT	6/26/97	SVOC
1MW10972	2-FLUOROBIPHENYL	SUR	86			PERCENT	6/26/97	SVOC
1MW10972	2-FLUOROPHENOL	SUR	62			PERCENT	6/26/97	SVOC
1MW10972	NITROBENZENE-D5	SUR	92			PERCENT	6/26/97	SVOC
1MW10972	PHENOL-D6	SUR	80			PERCENT	6/26/97	SVOC
1MW10972	TERPHENYL-D14	SUR	104			PERCENT	6/26/97	SVOC
1MW10972	1,2-DICHLOROETHANE D4 (S)	SUR	128			PERCENT	6/26/97	VOC
1MW10972	4-BROMOFLUOROBENZENE (S)	SUR	100			PERCENT	6/26/97	VOC
1MW10972	DIBROMOFLUOROMETHANE (S)	SUR	112			PERCENT	6/26/97	VOC
1MW10972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/26/97	VOC
1MW11972	FLUOROBENZENE (S)	SUR	85			PERCENT	6/24/97	GRO
1MW11972	1,2-DICHLOROBENZENE-D4	SUR	84			PERCENT	6/24/97	SVOC
1MW11972	2,4,6-TRIBROMOPHENOL	SUR	123			PERCENT	6/24/97	SVOC
1MW11972	2-CHLOROPHENOL-D4	SUR	76			PERCENT	6/24/97	SVOC
1MW11972	2-FLUOROBIPHENYL	SUR	83			PERCENT	6/24/97	SVOC
1MW11972	2-FLUOROPHENOL	SUR	62			PERCENT	6/24/97	SVOC
1MW11972	NITROBENZENE-D5	SUR	93			PERCENT	6/24/97	SVOC
1MW11972	PHENOL-D6	SUR	80			PERCENT	6/24/97	SVOC
1MW11972	TERPHENYL-D14	SUR	98			PERCENT	6/24/97	SVOC
1MW11972	1,2-DICHLOROETHANE D4 (S)	SUR	118			PERCENT	6/24/97	VOC
1MW11972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/24/97	VOC
1MW11972	DIBROMOFLUOROMETHANE (S)	SUR	86			PERCENT	6/24/97	VOC
1MW11972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/24/97	VOC
1MW11972MS	CHLORIDE (AS CL)	MS	10.61		0.5	MG/L	6/24/97	GENCHEM
1MW11972MS	NITROGEN, NITRATE (AS N)	MS	4.55		0.1	MG/L	6/24/97	GENCHEM
1MW11972MS	NITROGEN, NITRITE	MS	4.557		0.1	MG/L	6/24/97	GENCHEM
1MW11972MS	SULFATE (AS SO4)	MS	87.72		10	MG/L	6/24/97	GENCHEM
1MW11972MSD	CHLORIDE (AS CL)	MSD	10.92		0.5	MG/L	6/24/97	GENCHEM
1MW11972MSD	NITROGEN, NITRATE (AS N)	MSD	4.561		0.1	MG/L	6/24/97	GENCHEM
1MW11972MSD	NITROGEN, NITRITE	MSD	4.477		0.1	MG/L	6/24/97	GENCHEM
1MW11972MSD	SULFATE (AS SO4)	MSD	87.12		10	MG/L	6/24/97	GENCHEM
1MW12972	FLUOROBENZENE (S)	SUR	96			PERCENT	6/19/97	GRO
1MW12972	1,2-DICHLOROBENZENE-D4	SUR	77			PERCENT	6/19/97	SVOC
1MW12972	2,4,6-TRIBROMOPHENOL	SUR	92			PERCENT	6/19/97	SVOC
1MW12972	2-CHLOROPHENOL-D4	SUR	82			PERCENT	6/19/97	SVOC
1MW12972	2-FLUOROBIPHENYL	SUR	81			PERCENT	6/19/97	SVOC
1MW12972	2-FLUOROPHENOL	SUR	52			PERCENT	6/19/97	SVOC
1MW12972	NITROBENZENE-D5	SUR	79			PERCENT	6/19/97	SVOC
1MW12972	PHENOL-D6	SUR	84			PERCENT	6/19/97	SVOC
1MW12972	TERPHENYL-D14	SUR	84			PERCENT	6/19/97	SVOC
1MW12972	1,2-DICHLOROETHANE D4 (S)	SUR	108			PERCENT	6/19/97	VOC
1MW12972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/19/97	VOC
1MW12972	DIBROMOFLUOROMETHANE (S)	SUR	58			PERCENT	6/19/97	VOC
1MW12972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/19/97	VOC
1MW12972MS	ALKALINITY, TOTAL (AS CaCO3)	MS	458		5.0	MG/L	6/19/97	GENCHEM
1MW12972MS	MERCURY-D	MS	5.51		0.20	UG/L	6/19/97	METALS
1MW12972MSD	MERCURY-D	MSD	5.58		0.20	UG/L	6/19/97	METALS
1MW2972	FLUOROBENZENE (S)	SUR	99			PERCENT	6/27/97	GRO
1MW2972	1,2-DICHLOROBENZENE-D4	SUR	79			PERCENT	6/27/97	SVOC
1MW2972	2,4,6-TRIBROMOPHENOL	SUR	131			PERCENT	6/27/97	SVOC
1MW2972	2-CHLOROPHENOL-D4	SUR	79			PERCENT	6/27/97	SVOC
1MW2972	2-FLUOROBIPHENYL	SUR	83			PERCENT	6/27/97	SVOC
1MW2972	2-FLUOROPHENOL	SUR	62			PERCENT	6/27/97	SVOC
1MW2972	NITROBENZENE-D5	SUR	91			PERCENT	6/27/97	SVOC
1MW2972	PHENOL-D6	SUR	82			PERCENT	6/27/97	SVOC
1MW2972	TERPHENYL-D14	SUR	102			PERCENT	6/27/97	SVOC
1MW2972	1,2-DICHLOROETHANE D4 (S)	SUR	124			PERCENT	6/27/97	VOC
1MW2972	4-BROMOFLUOROBENZENE (S)	SUR	92			PERCENT	6/27/97	VOC
1MW2972	DIBROMOFLUOROMETHANE (S)	SUR	110			PERCENT	6/27/97	VOC
1MW2972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/27/97	VOC
1MW3972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/1/97	GRO
1MW3972	1,2-DICHLOROBENZENE-D4	SUR	87			PERCENT	7/1/97	SVOC
1MW3972	2,4,6-TRIBROMOPHENOL	SUR	91			PERCENT	7/1/97	SVOC
1MW3972	2-CHLOROPHENOL-D4	SUR	58			PERCENT	7/1/97	SVOC
1MW3972	2-FLUOROBIPHENYL	SUR	86			PERCENT	7/1/97	SVOC
1MW3972	2-FLUOROPHENOL	SUR	28			PERCENT	7/1/97	SVOC
1MW3972	NITROBENZENE-D5	SUR	88			PERCENT	7/1/97	SVOC
1MW3972	PHENOL-D6	SUR	29			PERCENT	7/1/97	SVOC
1MW3972	TERPHENYL-D14	SUR	97			PERCENT	7/1/97	SVOC
1MW3972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	7/1/97	VOC
1MW3972	4-BROMOFLUOROBENZENE (S)	SUR	94			PERCENT	7/1/97	VOC
1MW3972	TOLUENE-D8 (S)	SUR	104			PERCENT	7/1/97	VOC
1MW4972	FLUOROBENZENE (S)	SUR	98			PERCENT	6/25/97	GRO

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1MW4972	1,2-DICHLOROBENZENE-D4	SUR	85			PERCENT	6/25/97	SVOC
1MW4972	2,4,6-TRIBROMOPHENOL	SUR	118			PERCENT	6/25/97	SVOC
1MW4972	2-CHLOROPHENOL-D4	SUR	80			PERCENT	6/25/97	SVOC
1MW4972	2-FLUOROBIPHENYL	SUR	83			PERCENT	6/25/97	SVOC
1MW4972	2-FLUOROPHENOL	SUR	60			PERCENT	6/25/97	SVOC
1MW4972	NITROBENZENE-D5	SUR	93			PERCENT	6/25/97	SVOC
1MW4972	PHENOL-D6	SUR	78			PERCENT	6/25/97	SVOC
1MW4972	TERPHENYL-D14	SUR	101			PERCENT	6/25/97	SVOC
1MW4972	1,2-DICHLOROETHANE D4 (S)	SUR	120			PERCENT	6/25/97	VOC
1MW4972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/25/97	VOC
1MW4972	DIBROMOFLUOROMETHANE (S)	SUR	114			PERCENT	6/25/97	VOC
1MW4972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/25/97	VOC
1MW5972	FLUOROBENZENE (S)	SUR	203			PERCENT	7/1/97	GRO
1MW5972	1,2-DICHLOROBENZENE-D4	SUR	83			PERCENT	7/1/97	SVOC
1MW5972	2,4,6-TRIBROMOPHENOL	SUR	145			PERCENT	7/1/97	SVOC
1MW5972	2-CHLOROPHENOL-D4	SUR	55			PERCENT	7/1/97	SVOC
1MW5972	2-FLUOROBIPHENYL	SUR	100			PERCENT	7/1/97	SVOC
1MW5972	2-FLUOROPHENOL	SUR	80			PERCENT	7/1/97	SVOC
1MW5972	NITROBENZENE-D5	SUR	159			PERCENT	7/1/97	SVOC
1MW5972	PHENOL-D6	SUR	54			PERCENT	7/1/97	SVOC
1MW5972	TERPHENYL-D14	SUR	113			PERCENT	7/1/97	SVOC
1MW5972	1,2-DICHLOROETHANE D4 (S)	SUR	102			PERCENT	7/1/97	VOC
1MW5972	4-BROMOFLUOROBENZENE (S)	SUR	106			PERCENT	7/1/97	VOC
1MW5972	TOLUENE-D8 (S)	SUR	116			PERCENT	7/1/97	VOC
1MW5972DL	1,2-DICHLOROETHANE D4 (S)	SUR	122			PERCENT	7/1/97	VOC
1MW5972DL	4-BROMOFLUOROBENZENE (S)	SUR	100			PERCENT	7/1/97	VOC
1MW5972DL	TOLUENE-D8 (S)	SUR	106			PERCENT	7/1/97	VOC
1MW5972MS	CHLORIDE (AS CL)	MS	9.79		0.5	MG/L	7/1/97	GENCHEM
1MW5972MS	NITROGEN, NITRITE	MS	1.91		0.1	MG/L	7/1/97	GENCHEM
1MW5972MS	SULFATE (AS SO4)	MS	11.27		1.0	MG/L	7/1/97	GENCHEM
1MW5972MS	TOTAL ORGANIC CARBON	MS	8.32		1.0	MG/L	7/1/97	GENCHEM
1MW5972MS	ALUMINUM	MS	1020		25	UG/L	7/1/97	METALS
1MW5972MS	ALUMINUM-D	MS	1018		25	UG/L	7/1/97	METALS
1MW5972MS	ANTIMONY	MS	777		40	UG/L	7/1/97	METALS
1MW5972MS	ANTIMONY-D	MS	971		40	UG/L	7/1/97	METALS
1MW5972MS	ARSENIC	MS	1045		5.0	UG/L	7/1/97	METALS
1MW5972MS	ARSENIC-D	MS	1009		5.0	UG/L	7/1/97	METALS
1MW5972MS	BARIUM	MS	1140		5.0	UG/L	7/1/97	METALS
1MW5972MS	BARIUM-D	MS	1134		5.0	UG/L	7/1/97	METALS
1MW5972MS	BERYLLIUM	MS	968		2.0	UG/L	7/1/97	METALS
1MW5972MS	BERYLLIUM-D	MS	944		2.0	UG/L	7/1/97	METALS
1MW5972MS	CADMIUM	MS	965		5.0	UG/L	7/1/97	METALS
1MW5972MS	CADMIUM-D	MS	974		5.0	UG/L	7/1/97	METALS
1MW5972MS	CALCIUM	MS	147000		38	UG/L	7/1/97	METALS
1MW5972MS	CALCIUM-D	MS	159400		38	UG/L	7/1/97	METALS
1MW5972MS	CHROMIUM	MS	940		5.0	UG/L	7/1/97	METALS
1MW5972MS	CHROMIUM-D	MS	923		5.0	UG/L	7/1/97	METALS
1MW5972MS	COBALT	MS	929		10	UG/L	7/1/97	METALS
1MW5972MS	COBALT-D	MS	924		10	UG/L	7/1/97	METALS
1MW5972MS	COPPER	MS	942		3.0	UG/L	7/1/97	METALS
1MW5972MS	COPPER-D	MS	941		3.0	UG/L	7/1/97	METALS
1MW5972MS	IRON	MS	5860		25	UG/L	7/1/97	METALS
1MW5972MS	IRON-D	MS	5221		25	UG/L	7/1/97	METALS
1MW5972MS	LEAD	MS	1000		2.0	UG/L	7/1/97	METALS
1MW5972MS	LEAD-D	MS	1027		2.0	UG/L	7/1/97	METALS
1MW5972MS	MAGNESIUM	MS	67500		32	UG/L	7/1/97	METALS
1MW5972MS	MAGNESIUM-D	MS	81480		32	UG/L	7/1/97	METALS
1MW5972MS	MANGANESE	MS	1390		2.0	UG/L	7/1/97	METALS
1MW5972MS	MANGANESE-D	MS	1347		2.0	UG/L	7/1/97	METALS
1MW5972MS	MERCURY	MS	5.05		0.20	UG/L	7/1/97	METALS
1MW5972MS	MERCURY-D	MS	5.27		0.20	UG/L	7/1/97	METALS
1MW5972MS	NICKEL	MS	953		20	UG/L	7/1/97	METALS
1MW5972MS	NICKEL-D	MS	954		20	UG/L	7/1/97	METALS
1MW5972MS	POTASSIUM	MS	37100		600	UG/L	7/1/97	METALS
1MW5972MS	POTASSIUM-D	MS	50456		600	UG/L	7/1/97	METALS
1MW5972MS	SELENIUM	MS	1070		5.0	UG/L	7/1/97	METALS
1MW5972MS	SELENIUM-D	MS	994		5.0	UG/L	7/1/97	METALS
1MW5972MS	SILVER	MS	946		5.0	UG/L	7/1/97	METALS
1MW5972MS	SILVER-D	MS	634		5.0	UG/L	7/1/97	METALS
1MW5972MS	SODIUM	MS	49000		29	UG/L	7/1/97	METALS
1MW5972MS	SODIUM-D	MS	61651		29	UG/L	7/1/97	METALS
1MW5972MS	THALLIUM	MS	924		5.0	UG/L	7/1/97	METALS
1MW5972MS	THALLIUM-D	MS	950		5.0	UG/L	7/1/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1MW5972MS	VANADIUM	MS	941		5.0	UG/L	7/1/97	METALS
1MW5972MS	VANADIUM-D	MS	935		5.0	UG/L	7/1/97	METALS
1MW5972MS	ZINC	MS	947		4.0	UG/L	7/1/97	METALS
1MW5972MS	ZINC-D	MS	980		4.0	UG/L	7/1/97	METALS
1MW5972MSD	CHLORIDE (AS CL)	MSD	9.84		0.5	MG/L	7/1/97	GENCHEM
1MW5972MSD	NITROGEN, NITRITE	MSD	1.94		0.1	MG/L	7/1/97	GENCHEM
1MW5972MSD	SULFATE (AS SO4)	MSD	11.3		1.0	MG/L	7/1/97	GENCHEM
1MW5972MSD	TOTAL ORGANIC CARBON	MSD	8.62		1.0	MG/L	7/1/97	GENCHEM
1MW5972MSD	ALUMINUM	MSD	1050		25	UG/L	7/1/97	METALS
1MW5972MSD	ALUMINUM-D	MSD	1024		25	UG/L	7/1/97	METALS
1MW5972MSD	ANTIMONY	MSD	949		40	UG/L	7/1/97	METALS
1MW5972MSD	ANTIMONY-D	MSD	977		40	UG/L	7/1/97	METALS
1MW5972MSD	ARSENIC	MSD	1030		5.0	UG/L	7/1/97	METALS
1MW5972MSD	ARSENIC-D	MSD	1013		5.0	UG/L	7/1/97	METALS
1MW5972MSD	BARIUM	MSD	1140		5.0	UG/L	7/1/97	METALS
1MW5972MSD	BARIUM-D	MSD	1138		5.0	UG/L	7/1/97	METALS
1MW5972MSD	BERYLLIUM	MSD	965		2.0	UG/L	7/1/97	METALS
1MW5972MSD	BERYLLIUM-D	MSD	955		2.0	UG/L	7/1/97	METALS
1MW5972MSD	CADMIUM	MSD	978		5.0	UG/L	7/1/97	METALS
1MW5972MSD	CADMIUM-D	MSD	965		5.0	UG/L	7/1/97	METALS
1MW5972MSD	CALCIUM	MSD	161000		38	UG/L	7/1/97	METALS
1MW5972MSD	CALCIUM-D	MSD	158900		38	UG/L	7/1/97	METALS
1MW5972MSD	CHROMIUM	MSD	943		5.0	UG/L	7/1/97	METALS
1MW5972MSD	CHROMIUM-D	MSD	917		5.0	UG/L	7/1/97	METALS
1MW5972MSD	COBALT	MSD	936		10	UG/L	7/1/97	METALS
1MW5972MSD	COBALT-D	MSD	924		10	UG/L	7/1/97	METALS
1MW5972MSD	COPPER	MSD	947		3.0	UG/L	7/1/97	METALS
1MW5972MSD	COPPER-D	MSD	944		3.0	UG/L	7/1/97	METALS
1MW5972MSD	IRON	MSD	5870		25	UG/L	7/1/97	METALS
1MW5972MSD	IRON-D	MSD	5214		25	UG/L	7/1/97	METALS
1MW5972MSD	LEAD	MSD	983		2.0	UG/L	7/1/97	METALS
1MW5972MSD	LEAD-D	MSD	1018		2.0	UG/L	7/1/97	METALS
1MW5972MSD	MAGNESIUM	MSD	79800		32	UG/L	7/1/97	METALS
1MW5972MSD	MAGNESIUM-D	MSD	81530		32	UG/L	7/1/97	METALS
1MW5972MSD	MANGANESE	MSD	1380		2.0	UG/L	7/1/97	METALS
1MW5972MSD	MANGANESE-D	MSD	1340		2.0	UG/L	7/1/97	METALS
1MW5972MSD	MERCURY	MSD	4.95		0.20	UG/L	7/1/97	METALS
1MW5972MSD	MERCURY-D	MSD	5.294		0.20	UG/L	7/1/97	METALS
1MW5972MSD	NICKEL	MSD	965		20	UG/L	7/1/97	METALS
1MW5972MSD	NICKEL-D	MSD	917		20	UG/L	7/1/97	METALS
1MW5972MSD	POTASSIUM	MSD	48900		600	UG/L	7/1/97	METALS
1MW5972MSD	POTASSIUM-D	MSD	50300		600	UG/L	7/1/97	METALS
1MW5972MSD	SELENIUM	MSD	1050		5.0	UG/L	7/1/97	METALS
1MW5972MSD	SELENIUM-D	MSD	998		5.0	UG/L	7/1/97	METALS
1MW5972MSD	SILVER	MSD	958		5.0	UG/L	7/1/97	METALS
1MW5972MSD	SILVER-D	MSD	941		5.0	UG/L	7/1/97	METALS
1MW5972MSD	SODIUM	MSD	60600		29	UG/L	7/1/97	METALS
1MW5972MSD	SODIUM-D	MSD	62020		29	UG/L	7/1/97	METALS
1MW5972MSD	THALLIUM	MSD	909		5.0	UG/L	7/1/97	METALS
1MW5972MSD	THALLIUM-D	MSD	953		5.0	UG/L	7/1/97	METALS
1MW5972MSD	VANADIUM	MSD	946		5.0	UG/L	7/1/97	METALS
1MW5972MSD	VANADIUM-D	MSD	935		5.0	UG/L	7/1/97	METALS
1MW5972MSD	ZINC	MSD	960		4.0	UG/L	7/1/97	METALS
1MW5972MSD	ZINC-D	MSD	965		4.0	UG/L	7/1/97	METALS
1MW6972	FLUOROBENZENE (S)	SUR	54			PERCENT	6/24/97	GRO
1MW6972	1,2-DICHLOROBENZENE-D4	SUR	76			PERCENT	6/24/97	SVOC
1MW6972	2,4,6-TRIBROMOPHENOL	SUR	116			PERCENT	6/24/97	SVOC
1MW6972	2-CHLOROPHENOL-D4	SUR	70			PERCENT	6/24/97	SVOC
1MW6972	2-FLUOROBIPHENYL	SUR	77			PERCENT	6/24/97	SVOC
1MW6972	2-FLUOROPHENOL	SUR	57			PERCENT	6/24/97	SVOC
1MW6972	NITROBENZENE-D5	SUR	86			PERCENT	6/24/97	SVOC
1MW6972	PHENOL-D6	SUR	74			PERCENT	6/24/97	SVOC
1MW6972	TERPHENYL-D14	SUR	95			PERCENT	6/24/97	SVOC
1MW6972	1,2-DICHLOROETHANE D4 (S)	SUR	110			PERCENT	6/24/97	VOC
1MW6972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/24/97	VOC
1MW6972	DIBROMOFLUOROMETHANE (S)	SUR	112			PERCENT	6/24/97	VOC
1MW6972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/24/97	VOC
1MW8972	FLUOROBENZENE (S)	SUR	98			PERCENT	6/26/97	GRO
1MW8972	1,2-DICHLOROBENZENE-D4	SUR	91			PERCENT	6/26/97	SVOC
1MW8972	2,4,6-TRIBROMOPHENOL	SUR	119			PERCENT	6/26/97	SVOC
1MW8972	2-CHLOROPHENOL-D4	SUR	81			PERCENT	6/26/97	SVOC
1MW8972	2-FLUOROBIPHENYL	SUR	99			PERCENT	6/26/97	SVOC
1MW8972	2-FLUOROPHENOL	SUR	61			PERCENT	6/26/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1MW8972	NITROBENZENE-D5	SUR	99			PERCENT	6/26/97	SVOC
1MW8972	PHENOL-D6	SUR	76			PERCENT	6/26/97	SVOC
1MW8972	TERPHENYL-D14	SUR	111			PERCENT	6/26/97	SVOC
1MW8972	1,2-DICHLOROETHANE D4 (S)	SUR	122			PERCENT	6/26/97	VOC
1MW8972	4-BROMOFLUOROBENZENE (S)	SUR	100			PERCENT	6/26/97	VOC
1MW8972	DIBROMOFLUOROMETHANE (S)	SUR	112			PERCENT	6/26/97	VOC
1MW8972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/26/97	VOC
1MW9972	FLUOROBENZENE (S)	SUR	98			PERCENT	6/25/97	GRO
1MW9972	1,2-DICHLOROBENZENE-D4	SUR	85			PERCENT	6/25/97	SVOC
1MW9972	2,4,6-TRIBROMOPHENOL	SUR	124			PERCENT	6/25/97	SVOC
1MW9972	2-CHLOROPHENOL-D4	SUR	80			PERCENT	6/25/97	SVOC
1MW9972	2-FLUOROBIPHENYL	SUR	83			PERCENT	6/25/97	SVOC
1MW9972	2-FLUOROPHENOL	SUR	62			PERCENT	6/25/97	SVOC
1MW9972	NITROBENZENE-D5	SUR	90			PERCENT	6/25/97	SVOC
1MW9972	PHENOL-D6	SUR	80			PERCENT	6/25/97	SVOC
1MW9972	TERPHENYL-D14	SUR	100			PERCENT	6/25/97	SVOC
1MW9972	1,2-DICHLOROETHANE D4 (S)	SUR	122			PERCENT	6/25/97	VOC
1MW9972	4-BROMOFLUOROBENZENE (S)	SUR	94			PERCENT	6/25/97	VOC
1MW9972	DIBROMOFLUOROMETHANE (S)	SUR	114			PERCENT	6/25/97	VOC
1MW9972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/25/97	VOC
1RB1972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	110			PERCENT	6/24/97	VOC
1RB1972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	96			PERCENT	6/24/97	VOC
1RB1972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	ACETONE	QC SAMPLE	5.8	B	1.0	UG/L	6/24/97	VOC
1RB1972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	0.0			PERCENT	6/24/97	VOC
1RB1972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	TOLUENE-D8 (S)	QC SAMPLE	100			PERCENT	6/24/97	VOC
1RB1972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	134			PERCENT	6/24/97	VOC
1RB1972RE	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	92			PERCENT	6/24/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

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1RB1972RE	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	ACETONE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	122			PERCENT	6/24/97	VOC
1RB1972RE	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	TOLUENE-D8 (S)	QC SAMPLE	100			PERCENT	6/24/97	VOC
1RB1972RE	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB1972RE	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/24/97	VOC
1RB2972	1,1,1,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2,3-TRICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2,3-TRICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2,4-TRICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2,4-TRIMETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2-DIBROMO-3-CHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2-DIBROMOETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2-DICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	122			PERCENT	6/27/97	VOC
1RB2972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,3,5-TRIMETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,3-DICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,3-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1,4-DICHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	1-CHLOROHEXANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	2,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	2-CHLOROTOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	94			PERCENT	6/27/97	VOC
1RB2972	4-CHLOROTOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	BROMOBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	BROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

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1RB2972	DIBROMOFLUOROMETHANE (S)	QC SAMPLE	110			PERCENT	6/27/97	VOC
1RB2972	DIBROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	DICHLORODIFLUOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	HEXACHLOROBUTADIENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	ISOPROPYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	METHYLENE CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	N-BUTYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	N-PROPYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	NAPHTHALENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	P-ISOPROPYLTOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	SEC-BUTYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TERT-BUTYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TOLUENE-D8 (S)	QC SAMPLE	100			PERCENT	6/27/97	VOC
1RB2972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	TRICHLOROFLUOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	VINYL ACETATE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB2972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	6/27/97	VOC
1RB3972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	128			PERCENT	7/1/97	VOC
1RB3972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	96			PERCENT	7/1/97	VOC
1RB3972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	ACETONE	QC SAMPLE	7.4	B	1.0	UG/L	7/1/97	VOC
1RB3972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CHLOROFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	METHYLENE CHLORIDE	QC SAMPLE	1.9		1.0	UG/L	7/1/97	VOC
1RB3972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	TOLUENE-D8 (S)	QC SAMPLE	102			PERCENT	7/1/97	VOC
1RB3972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB3972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
1RB3972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	7/1/97	VOC
1RB4972	1,1,1-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,1,2,2-TETRACHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,1,2-TRICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,1-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,1-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,1-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,2-DICHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	1,2-DICHLOROETHANE D4 (S)	QC SAMPLE	128			PERCENT	7/11/97	VOC
1RB4972	1,2-DICHLOROPROPANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	2-BUTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	2-HEXANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	4-BROMOFLUOROBENZENE (S)	QC SAMPLE	98			PERCENT	7/11/97	VOC
1RB4972	4-METHYL-2-PENTANONE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	ACETONE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	BENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	BROMODICHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	BROMOFORM	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	BROMOMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CARBON DISULFIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CARBON TETRACHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CHLOROBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CHLOROETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CHLOROFORM	QC SAMPLE	1.1		1.0	UG/L	7/11/97	VOC
1RB4972	CHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CIS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	CIS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	DIBROMOCHLOROMETHANE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	ETHYLBENZENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	M&P-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	METHYLENE CHLORIDE	QC SAMPLE	1.7		1.0	UG/L	7/11/97	VOC
1RB4972	O-XYLENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	STYRENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	TETRACHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	TOLUENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	TOLUENE-D8 (S)	QC SAMPLE	100			PERCENT	7/11/97	VOC
1RB4972	TRANS-1,2-DICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	TRANS-1,3-DICHLOROPROPENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	TRICHLOROETHENE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	VINYL CHLORIDE	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
1RB4972	XYLENE (TOTAL)	QC SAMPLE	1.0	U	1.0	UG/L	7/11/97	VOC
62220-10162816	CHLORIDE (AS CL)	LAB QC SAMPLES	1.0	U	1.0	MG/L	6/24/97	GENCHEM
62220-10162816	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/24/97	GENCHEM
62220-10162816	NITROGEN, NITRITE	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/24/97	GENCHEM
62220-10162816	SULFATE (AS SO4)	LAB QC SAMPLES	1.0	U	1.0	MG/L	6/24/97	GENCHEM
62220-10162840	CHLORIDE (AS CL)	LAB QC SAMPLES	4.60		1.0	MG/L	6/24/97	GENCHEM
62220-10162840	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.76		0.1	MG/L	6/24/97	GENCHEM
62220-10162840	NITROGEN, NITRITE	LAB QC SAMPLES	4.70		0.1	MG/L	6/24/97	GENCHEM
62220-10162840	SULFATE (AS SO4)	LAB QC SAMPLES	4.71		1.0	MG/L	6/24/97	GENCHEM
62220-10162857	CHLORIDE (AS CL)	LAB QC SAMPLES	4.71		1.0	MG/L	6/24/97	GENCHEM
62220-10162857	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.67		0.1	MG/L	6/24/97	GENCHEM
62220-10162857	NITROGEN, NITRITE	LAB QC SAMPLES	4.57		0.1	MG/L	6/24/97	GENCHEM
62220-10162857	SULFATE (AS SO4)	LAB QC SAMPLES	4.73		1.0	MG/L	6/24/97	GENCHEM
62220-10165405	ALKALINITY, BICARBONATE (AS CACO3)	LAB QC SAMPLES	5.0	U	5.0	MG/L	6/25/97	GENCHEM
62220-10165405	ALKALINITY, CARBONATE (AS CACO3)	LAB QC SAMPLES	5.0	U	5.0	MG/L	6/25/97	GENCHEM
62220-10165405	ALKALINITY, TOTAL (AS CaCO3)	LAB QC SAMPLES	5.0	U	5.0	MG/L	6/25/97	GENCHEM
62220-10165439	ALKALINITY, TOTAL (AS CaCO3)	LAB QC SAMPLES	148.0		5.0	MG/L	6/25/97	GENCHEM
62220-10175875	TOTAL ORGANIC CARBON	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/7/97	GENCHEM
62220-10175917	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.39		1.0	MG/L	7/7/97	GENCHEM
62220-10175925	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.21		1.0	MG/L	7/7/97	GENCHEM
62220-LCS1	ALUMINUM	LAB QC SAMPLES	993		25	UG/L	7/11/97	METALS
62220-LCS1	ANTIMONY	LAB QC SAMPLES	869		40	UG/L	7/11/97	METALS
62220-LCS1	ARSENIC	LAB QC SAMPLES	1020		5.0	UG/L	7/11/97	METALS
62220-LCS1	BARIUM	LAB QC SAMPLES	933		5.0	UG/L	7/11/97	METALS
62220-LCS1	BERYLLIUM	LAB QC SAMPLES	979		2.0	UG/L	7/11/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
62220-LCS1	CADMIUM	LAB QC SAMPLES	959		5.0	UG/L	7/11/97	METALS
62220-LCS1	CALCIUM	LAB QC SAMPLES	49000		38	UG/L	7/11/97	METALS
62220-LCS1	CHROMIUM	LAB QC SAMPLES	950		5.0	UG/L	7/11/97	METALS
62220-LCS1	COBALT	LAB QC SAMPLES	947		10	UG/L	7/11/97	METALS
62220-LCS1	COPPER	LAB QC SAMPLES	958		3.0	UG/L	7/11/97	METALS
62220-LCS1	IRON	LAB QC SAMPLES	995		25	UG/L	7/11/97	METALS
62220-LCS1	LEAD	LAB QC SAMPLES	995		2.0	UG/L	7/11/97	METALS
62220-LCS1	MAGNESIUM	LAB QC SAMPLES	49100		32	UG/L	7/11/97	METALS
62220-LCS1	MANGANESE	LAB QC SAMPLES	967		2.0	UG/L	7/11/97	METALS
62220-LCS1	NICKEL	LAB QC SAMPLES	956		20	UG/L	7/11/97	METALS
62220-LCS1	POTASSIUM	LAB QC SAMPLES	48200		600	UG/L	7/11/97	METALS
62220-LCS1	SELENIUM	LAB QC SAMPLES	1070		5.0	UG/L	7/11/97	METALS
62220-LCS1	SILVER	LAB QC SAMPLES	954		5.0	UG/L	7/11/97	METALS
62220-LCS1	SODIUM	LAB QC SAMPLES	49300		29	UG/L	7/11/97	METALS
62220-LCS1	THALLIUM	LAB QC SAMPLES	926		6.0	UG/L	7/11/97	METALS
62220-LCS1	VANADIUM	LAB QC SAMPLES	950		5.0	UG/L	7/11/97	METALS
62220-LCS1	ZINC	LAB QC SAMPLES	959		4.0	UG/L	7/11/97	METALS
62220-LCS2	ALUMINUM-D	LAB QC SAMPLES	996		25	UG/L	7/11/97	METALS
62220-LCS2	ANTIMONY-D	LAB QC SAMPLES	928		40	UG/L	7/11/97	METALS
62220-LCS2	ARSENIC-D	LAB QC SAMPLES	996		5.0	UG/L	7/11/97	METALS
62220-LCS2	BARIUM-D	LAB QC SAMPLES	921		5.0	UG/L	7/11/97	METALS
62220-LCS2	BERYLLIUM-D	LAB QC SAMPLES	958		2.0	UG/L	7/11/97	METALS
62220-LCS2	CADMIUM-D	LAB QC SAMPLES	951		3.0	UG/L	7/11/97	METALS
62220-LCS2	CALCIUM-D	LAB QC SAMPLES	47900		38	UG/L	7/11/97	METALS
62220-LCS2	CHROMIUM-D	LAB QC SAMPLES	930		5.0	UG/L	7/11/97	METALS
62220-LCS2	COBALT-D	LAB QC SAMPLES	929		10	UG/L	7/11/97	METALS
62220-LCS2	COPPER-D	LAB QC SAMPLES	946		3.0	UG/L	7/11/97	METALS
62220-LCS2	IRON-D	LAB QC SAMPLES	992		25	UG/L	7/11/97	METALS
62220-LCS2	LEAD-D	LAB QC SAMPLES	1000		2.0	UG/L	7/11/97	METALS
62220-LCS2	MAGNESIUM-D	LAB QC SAMPLES	48200		32	UG/L	7/11/97	METALS
62220-LCS2	MANGANESE-D	LAB QC SAMPLES	950		2.0	UG/L	7/11/97	METALS
62220-LCS2	NICKEL-D	LAB QC SAMPLES	935		20	UG/L	7/11/97	METALS
62220-LCS2	POTASSIUM-D	LAB QC SAMPLES	48000		600	UG/L	7/11/97	METALS
62220-LCS2	SELENIUM-D	LAB QC SAMPLES	1020		5.0	UG/L	7/11/97	METALS
62220-LCS2	SILVER-D	LAB QC SAMPLES	943		5.0	UG/L	7/11/97	METALS
62220-LCS2	SODIUM-D	LAB QC SAMPLES	48700		29	UG/L	7/11/97	METALS
62220-LCS2	THALLIUM-D	LAB QC SAMPLES	949		5.0	UG/L	7/11/97	METALS
62220-LCS2	VANADIUM-D	LAB QC SAMPLES	939		5.0	UG/L	7/11/97	METALS
62220-LCS2	ZINC-D	LAB QC SAMPLES	972		4.0	UG/L	7/11/97	METALS
62220-LCS7	MERCURY	LAB QC SAMPLES	5.03		0.20	UG/L	7/9/97	METALS
62220-LCS8	MERCURY-D	LAB QC SAMPLES	5.54		0.20	UG/L	7/14/97	METALS
62220-MBLK176	FLUOROBENZENE (S)	LAB QC SAMPLES	95			PERCENT	6/25/97	GRO
62220-MBLK176	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	6/25/97	GRO
62220-MBLK176MS	FLUOROBENZENE (S)	LAB QC SAMPLES	104			PERCENT	6/25/97	GRO
62220-MBLK176MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1100		50	UG/L	6/25/97	GRO
62220-MBLK176MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	107			PERCENT	6/25/97	GRO
62220-MBLK176MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1000		50	UG/L	6/25/97	GRO
62220-MBLK177	FLUOROBENZENE (S)	LAB QC SAMPLES	102			PERCENT	6/26/97	GRO
62220-MBLK177	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	GRO
62220-MBLK177MS	FLUOROBENZENE (S)	LAB QC SAMPLES	94			PERCENT	6/26/97	GRO
62220-MBLK177MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1000		50	UG/L	6/26/97	GRO
62220-MBLK177MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	116			PERCENT	6/26/97	GRO
62220-MBLK177MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	960		50	UG/L	6/26/97	GRO
62220-PB1	ALUMINUM	LAB QC SAMPLES	25	U	25	UG/L	7/11/97	METALS
62220-PB1	ANTIMONY	LAB QC SAMPLES	40	U	40	UG/L	7/11/97	METALS
62220-PB1	ARSENIC	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	BARIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	BERYLLIUM	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/11/97	METALS
62220-PB1	CADMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	CALCIUM	LAB QC SAMPLES	38	U	38	UG/L	7/11/97	METALS
62220-PB1	CHROMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	COBALT	LAB QC SAMPLES	10	U	10	UG/L	7/11/97	METALS
62220-PB1	COPPER	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/11/97	METALS
62220-PB1	IRON	LAB QC SAMPLES	25	U	25	UG/L	7/11/97	METALS
62220-PB1	LEAD	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/11/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

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62220-PB1	MAGNESIUM	LAB QC SAMPLES	32	U	32	UG/L	7/11/97	METALS
62220-PB1	MANGANESE	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/11/97	METALS
62220-PB1	NICKEL	LAB QC SAMPLES	20	U	20	UG/L	7/11/97	METALS
62220-PB1	POTASSIUM	LAB QC SAMPLES	600	U	600	UG/L	7/11/97	METALS
62220-PB1	SELENIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	SILVER	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	SODIUM	LAB QC SAMPLES	29	U	29	UG/L	7/11/97	METALS
62220-PB1	THALLIUM	LAB QC SAMPLES	6.0	U	6.0	UG/L	7/11/97	METALS
62220-PB1	VANADIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB1	ZINC	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/11/97	METALS
62220-PB2	ALUMINUM-D	LAB QC SAMPLES	25	U	25	UG/L	7/11/97	METALS
62220-PB2	ANTIMONY-D	LAB QC SAMPLES	40	U	40	UG/L	7/11/97	METALS
62220-PB2	ARSENIC-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	BARIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	BERYLLIUM-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/11/97	METALS
62220-PB2	CADMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	CALCIUM-D	LAB QC SAMPLES	38	U	38	UG/L	7/11/97	METALS
62220-PB2	CHROMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	COBALT-D	LAB QC SAMPLES	10	U	10	UG/L	7/11/97	METALS
62220-PB2	COPPER-D	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/11/97	METALS
62220-PB2	IRON-D	LAB QC SAMPLES	25	U	25	UG/L	7/11/97	METALS
62220-PB2	LEAD-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/11/97	METALS
62220-PB2	MAGNESIUM-D	LAB QC SAMPLES	32	U	32	UG/L	7/11/97	METALS
62220-PB2	MANGANESE-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/11/97	METALS
62220-PB2	NICKEL-D	LAB QC SAMPLES	20	U	20	UG/L	7/11/97	METALS
62220-PB2	POTASSIUM-D	LAB QC SAMPLES	600	U	600	UG/L	7/11/97	METALS
62220-PB2	SELENIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	SILVER-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	SODIUM-D	LAB QC SAMPLES	29	U	29	UG/L	7/11/97	METALS
62220-PB2	THALLIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	VANADIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/11/97	METALS
62220-PB2	ZINC-D	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/11/97	METALS
62220-PB7	MERCURY	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/9/97	METALS
62220-PB8	MERCURY-D	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/14/97	METALS
62220-SBLK175	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	1,2-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	81			PERCENT	6/24/97	SVOC
62220-SBLK175	1,3-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	1,4-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	1-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	89			PERCENT	6/24/97	SVOC
62220-SBLK175	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,4-DICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,4-DINITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	2,4-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2,6-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2-CHLORONAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2-CHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2-CHLOROPHENOL-D4	LAB QC SAMPLES	81			PERCENT	6/24/97	SVOC
62220-SBLK175	2-FLUOROBIPHENYL	LAB QC SAMPLES	88			PERCENT	6/24/97	SVOC
62220-SBLK175	2-FLUOROPHENOL	LAB QC SAMPLES	50			PERCENT	6/24/97	SVOC
62220-SBLK175	2-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	2-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	2-NITROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/24/97	SVOC
62220-SBLK175	3-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	20	U	20	UG/L	6/24/97	SVOC
62220-SBLK175	4-CHLOROANILINE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
62220-SBLK175	4-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	4-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	4-NITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	ACENAPHTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	ACENAPHTHYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BENZO(A)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BENZO(A)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BENZOIC ACID	LAB QC SAMPLES	50	U	50	UG/L	6/24/97	SVOC
62220-SBLK175	BENZYL ALCOHOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	CARBAZOLE	LAB QC SAMPLES	20	U	20	UG/L	6/24/97	SVOC
62220-SBLK175	CHRYSENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	DIBENZOFURAN	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	DIETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	DIMETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	FLUORENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	HEXACHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	HEXACHLOROBUTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	HEXACHLOROETHANE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	ISOPHORONE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	NAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	NITROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	NITROBENZENE-D5	LAB QC SAMPLES	84			PERCENT	6/24/97	SVOC
62220-SBLK175	PENTACHLOROPHENOL	LAB QC SAMPLES	30	U	30	UG/L	6/24/97	SVOC
62220-SBLK175	PHENANTHRENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	PHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	PHENOL-D6	LAB QC SAMPLES	83			PERCENT	6/24/97	SVOC
62220-SBLK175	PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175	TERPHENYL-D14	LAB QC SAMPLES	110			PERCENT	6/24/97	SVOC
62220-SBLK175MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	48		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	46		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	85			PERCENT	6/24/97	SVOC
62220-SBLK175MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	42		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	1-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	46		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	53		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	116			PERCENT	6/24/97	SVOC
62220-SBLK175MS	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	55		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,4-DICHLOROPHENOL	LAB QC SAMPLES	50		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	12		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,4-DINITROPHENOL	LAB QC SAMPLES	79		50	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,4-DINITROTOLUENE	LAB QC SAMPLES	65		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2,6-DINITROTOLUENE	LAB QC SAMPLES	66		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2-CHLORONAPHTHALENE	LAB QC SAMPLES	50		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2-CHLOROPHENOL	LAB QC SAMPLES	46		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2-CHLOROPHENOL-D4	LAB QC SAMPLES	91			PERCENT	6/24/97	SVOC
62220-SBLK175MS	2-FLUOROBIPHENYL	LAB QC SAMPLES	93			PERCENT	6/24/97	SVOC
62220-SBLK175MS	2-FLUOROPHENOL	LAB QC SAMPLES	61			PERCENT	6/24/97	SVOC
62220-SBLK175MS	2-METHYLNAPHTHALENE	LAB QC SAMPLES	51		10	UG/L	6/24/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
62220-SBLK175MS	2-METHYLPHENOL	LAB QC SAMPLES	42		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	2-NITROANILINE	LAB QC SAMPLES	54		50	UG/L	6/24/97	SVOC
62220-SBLK175MS	2-NITROPHENOL	LAB QC SAMPLES	49		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	3	J	20	UG/L	6/24/97	SVOC
62220-SBLK175MS	3-NITROANILINE	LAB QC SAMPLES	38	J	50	UG/L	6/24/97	SVOC
62220-SBLK175MS	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	63		50	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	56		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	56		20	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-CHLOROANILINE	LAB QC SAMPLES	6	J	10	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	62		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-METHYLPHENOL	LAB QC SAMPLES	44		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-NITROANILINE	LAB QC SAMPLES	49	J	50	UG/L	6/24/97	SVOC
62220-SBLK175MS	4-NITROPHENOL	LAB QC SAMPLES	78		50	UG/L	6/24/97	SVOC
62220-SBLK175MS	ACENAPHTHENE	LAB QC SAMPLES	54		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	ACENAPHTHYLENE	LAB QC SAMPLES	52		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	ANTHRACENE	LAB QC SAMPLES	55		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZO(A)ANTHRACENE	LAB QC SAMPLES	64		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZO(A)PYRENE	LAB QC SAMPLES	64		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	78		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	75		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	66		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZOIC ACID	LAB QC SAMPLES	120	E	50	UG/L	6/24/97	SVOC
62220-SBLK175MS	BENZYL ALCOHOL	LAB QC SAMPLES	56		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	52		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	30		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	61		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	58		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	CARBAZOLE	LAB QC SAMPLES	56		20	UG/L	6/24/97	SVOC
62220-SBLK175MS	CHRYSENE	LAB QC SAMPLES	60		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	55		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	69		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	78		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	DIBENZOFURAN	LAB QC SAMPLES	56		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	DIETHYLPHTHALATE	LAB QC SAMPLES	59		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	DIMETHYLPHTHALATE	LAB QC SAMPLES	58		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	FLUORANTHENE	LAB QC SAMPLES	61		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	FLUORENE	LAB QC SAMPLES	58		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	HEXACHLOROBENZENE	LAB QC SAMPLES	58		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	47		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	17		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	HEXACHLOROETHANE	LAB QC SAMPLES	50		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	81	E	10	UG/L	6/24/97	SVOC
62220-SBLK175MS	ISOPHORONE	LAB QC SAMPLES	44		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	50		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	40		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	NAPHTHALENE	LAB QC SAMPLES	52		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	NITROBENZENE	LAB QC SAMPLES	51		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	NITROBENZENE-D5	LAB QC SAMPLES	89			PERCENT	6/24/97	SVOC
62220-SBLK175MS	PENTACHLOROPHENOL	LAB QC SAMPLES	58		30	UG/L	6/24/97	SVOC
62220-SBLK175MS	PHENANTHRENE	LAB QC SAMPLES	58		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	PHENOL	LAB QC SAMPLES	42		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	PHENOL-D6	LAB QC SAMPLES	87			PERCENT	6/24/97	SVOC
62220-SBLK175MS	PYRENE	LAB QC SAMPLES	59		10	UG/L	6/24/97	SVOC
62220-SBLK175MS	TERPHENYL-D14	LAB QC SAMPLES	112			PERCENT	6/24/97	SVOC
62220-VBLK183	1,1,1,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2,3-TRICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2,3-TRICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2,4-TRIMETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
62220-VBLK183	1,2-DIBROMO-3-CHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2-DIBROMOETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	104			PERCENT	7/2/97	VOC
62220-VBLK183	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,3,5-TRIMETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,3-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,3-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1,4-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	1-CHLOROHEXANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	2,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	2-CHLOROTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/2/97	VOC
62220-VBLK183	4-CHLOROTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	BROMOBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	BROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	106			PERCENT	7/2/97	VOC
62220-VBLK183	DIBROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	DICHLORODIFLUOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	HEXACHLOROBUTADIENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	ISOPROPYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	N-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	N-PROPYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	NAPHTHALENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	P-ISOPROPYLTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	SEC-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TERT-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/2/97	VOC
62220-VBLK183	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	TRICHLOROFLUOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	VINYL ACETATE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1,1,2-TETRACHLOROETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2,3-TRICHLOROBENZENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2,3-TRICHLOROPROPANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
62220-VBLK183MS	1,2,4-TRIMETHYLBENZENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2-DIBROMO-3-CHLOROPROPANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2-DIBROMOETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	106			PERCENT	7/2/97	VOC
62220-VBLK183MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,3,5-TRIMETHYLBENZENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,3-DICHLOROPROPANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	1-CHLOROHEXANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	2,2-DICHLOROPROPANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	2-CHLOROTOLUENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/2/97	VOC
62220-VBLK183MS	4-CHLOROTOLUENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	BENZENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	BROMOBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	BROMOCHLOROMETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	BROMOFORM	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	BROMOMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CHLOROETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CHLOROFORM	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CHLOROMETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	106			PERCENT	7/2/97	VOC
62220-VBLK183MS	DIBROMOMETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	DICHLORODIFLUOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	ETHYLBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	4.3		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	ISOPROPYLBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	M&P-XYLENE	LAB QC SAMPLES	9.0		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.3		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	N-BUTYLBENZENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	N-PROPYLBENZENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	NAPHTHALENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	O-XYLENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	P-ISOPROPYLTOLUENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	SEC-BUTYLBENZENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	STYRENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TERT-BUTYLBENZENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TOLUENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/2/97	VOC
62220-VBLK183MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TRICHLOROETHENE	LAB QC SAMPLES	4.3		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	TRICHLOROFLUOROMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	VINYL ACETATE	LAB QC SAMPLES	4.6		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	VINYL CHLORIDE	LAB QC SAMPLES	4.9		1.0	UG/L	7/2/97	VOC
62220-VBLK183MS	XYLENE (TOTAL)	LAB QC SAMPLES	14		1.0	UG/L	7/2/97	VOC
62220-VBLK184	1,1,1,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2,3-TRICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2,3-TRICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2,4-TRIMETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2-DIBROMO-3-CHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2-DIBROMOETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	106			PERCENT	7/3/97	VOC
62220-VBLK184	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
62220-VBLK184	1,3,5-TRIMETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,3-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,3-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1,4-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	1-CHLOROHEXANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	2,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	2-CHLOROTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/3/97	VOC
62220-VBLK184	4-CHLOROTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	BROMOBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	BROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	108			PERCENT	7/3/97	VOC
62220-VBLK184	DIBROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	DICHLORODIFLUOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	HEXACHLOROBUTADIENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	ISOPROPYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	N-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	N-PROPYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	NAPHTHALENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	P-ISOPROPYLTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	SEC-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TERT-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/3/97	VOC
62220-VBLK184	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	TRICHLOROFLUOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	VINYL ACETATE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
62220-VBLK184	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-10166932	CHLORIDE (AS CL)	LAB QC SAMPLES	0.5	U	0.5	MG/L	6/26/97	GENCHEM
65876-10166932	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/26/97	GENCHEM
65876-10166932	NITROGEN, NITRITE	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/26/97	GENCHEM
65876-10166932	SULFATE (AS SO4)	LAB QC SAMPLES	1	U	1	MG/L	6/26/97	GENCHEM
65876-10166940	CHLORIDE (AS CL)	LAB QC SAMPLES	4.686		0.5	MG/L	6/26/97	GENCHEM
65876-10166940	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.612		0.1	MG/L	6/26/97	GENCHEM
65876-10166940	NITROGEN, NITRITE	LAB QC SAMPLES	4.611		0.1	MG/L	6/26/97	GENCHEM
65876-10166940	SULFATE (AS SO4)	LAB QC SAMPLES	4.651		1	MG/L	6/26/97	GENCHEM
65876-10166957	CHLORIDE (AS CL)	LAB QC SAMPLES	4.993		0.5	MG/L	6/26/97	GENCHEM
65876-10166957	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.647		0.1	MG/L	6/26/97	GENCHEM
65876-10166957	NITROGEN, NITRITE	LAB QC SAMPLES	4.552		0.1	MG/L	6/26/97	GENCHEM
65876-10166957	SULFATE (AS SO4)	LAB QC SAMPLES	4.741		1	MG/L	6/26/97	GENCHEM
65876-10175875	TOTAL ORGANIC CARBON	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/7/97	GENCHEM
65876-10175917	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.390		1	MG/L	7/7/97	GENCHEM
65876-10175925	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.210		1	MG/L	7/7/97	GENCHEM
65876-LCS1	ALUMINUM	LAB QC SAMPLES	993		25	UG/L	7/14/97	METALS
65876-LCS1	ALUMINUM-D	LAB QC SAMPLES	996		25	UG/L	7/14/97	METALS
65876-LCS1	ANTIMONY	LAB QC SAMPLES	869		40	UG/L	7/14/97	METALS
65876-LCS1	ANTIMONY-D	LAB QC SAMPLES	923		40	UG/L	7/14/97	METALS
65876-LCS1	ARSENIC	LAB QC SAMPLES	1020		5.0	UG/L	7/22/97	METALS
65876-LCS1	ARSENIC-D	LAB QC SAMPLES	996		5.0	UG/L	7/22/97	METALS
65876-LCS1	BARIUM	LAB QC SAMPLES	933		5.0	UG/L	7/14/97	METALS
65876-LCS1	BARIUM-D	LAB QC SAMPLES	921		5.0	UG/L	7/14/97	METALS
65876-LCS1	BERYLLIUM	LAB QC SAMPLES	979		2.0	UG/L	7/14/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-LCS1	BERYLLIUM-D	LAB QC SAMPLES	958		2.0	UG/L	7/14/97	METALS
65876-LCS1	CADMIUM	LAB QC SAMPLES	959		5.0	UG/L	7/14/97	METALS
65876-LCS1	CADMIUM-D	LAB QC SAMPLES	951		5.0	UG/L	7/14/97	METALS
65876-LCS1	CALCIUM	LAB QC SAMPLES	49000		38	UG/L	7/14/97	METALS
65876-LCS1	CALCIUM-D	LAB QC SAMPLES	48000		38	UG/L	7/14/97	METALS
65876-LCS1	CHROMIUM	LAB QC SAMPLES	950		5.0	UG/L	7/14/97	METALS
65876-LCS1	CHROMIUM-D	LAB QC SAMPLES	930		5.0	UG/L	7/14/97	METALS
65876-LCS1	COBALT	LAB QC SAMPLES	947		10	UG/L	7/14/97	METALS
65876-LCS1	COBALT-D	LAB QC SAMPLES	929		10	UG/L	7/14/97	METALS
65876-LCS1	COPPER	LAB QC SAMPLES	958		3.0	UG/L	7/14/97	METALS
65876-LCS1	COPPER-D	LAB QC SAMPLES	946		3.0	UG/L	7/14/97	METALS
65876-LCS1	IRON	LAB QC SAMPLES	995		25	UG/L	7/14/97	METALS
65876-LCS1	IRON-D	LAB QC SAMPLES	992		25	UG/L	7/14/97	METALS
65876-LCS1	LEAD	LAB QC SAMPLES	995		2.0	UG/L	7/22/97	METALS
65876-LCS1	LEAD-D	LAB QC SAMPLES	1002		2.0	UG/L	7/22/97	METALS
65876-LCS1	MAGNESIUM	LAB QC SAMPLES	49100		32	UG/L	7/14/97	METALS
65876-LCS1	MAGNESIUM-D	LAB QC SAMPLES	48200		32	UG/L	7/14/97	METALS
65876-LCS1	MANGANESE	LAB QC SAMPLES	967		2.0	UG/L	7/14/97	METALS
65876-LCS1	MANGANESE-D	LAB QC SAMPLES	950		2.0	UG/L	7/14/97	METALS
65876-LCS1	NICKEL	LAB QC SAMPLES	956		20	UG/L	7/14/97	METALS
65876-LCS1	NICKEL-D	LAB QC SAMPLES	935		20	UG/L	7/14/97	METALS
65876-LCS1	POTASSIUM	LAB QC SAMPLES	48200		600	UG/L	7/14/97	METALS
65876-LCS1	POTASSIUM-D	LAB QC SAMPLES	48000		600	UG/L	7/14/97	METALS
65876-LCS1	SELENIUM	LAB QC SAMPLES	1070		5.0	UG/L	7/22/97	METALS
65876-LCS1	SELENIUM-D	LAB QC SAMPLES	1020		5.0	UG/L	7/22/97	METALS
65876-LCS1	SILVER	LAB QC SAMPLES	954		5.0	UG/L	7/14/97	METALS
65876-LCS1	SILVER-D	LAB QC SAMPLES	943		5.0	UG/L	7/14/97	METALS
65876-LCS1	SODIUM	LAB QC SAMPLES	49300		29	UG/L	7/14/97	METALS
65876-LCS1	SODIUM-D	LAB QC SAMPLES	48700		29	UG/L	7/14/97	METALS
65876-LCS1	THALLIUM	LAB QC SAMPLES	926		5.0	UG/L	7/22/97	METALS
65876-LCS1	THALLIUM-D	LAB QC SAMPLES	949		5.0	UG/L	7/22/97	METALS
65876-LCS1	VANADIUM	LAB QC SAMPLES	950		5.0	UG/L	7/14/97	METALS
65876-LCS1	VANADIUM-D	LAB QC SAMPLES	939		5.0	UG/L	7/14/97	METALS
65876-LCS1	ZINC	LAB QC SAMPLES	959		4.0	UG/L	7/14/97	METALS
65876-LCS1	ZINC-D	LAB QC SAMPLES	972		4.0	UG/L	7/14/97	METALS
65876-LCS7	MERCURY	LAB QC SAMPLES	5.03		0.20	UG/L	7/9/97	METALS
65876-LCS7	MERCURY-D	LAB QC SAMPLES	5.54		0.20	UG/L	7/15/97	METALS
65876-MBLK177	FLUOROBENZENE (S)	LAB QC SAMPLES	102			PERCENT	6/26/97	GRO
65876-MBLK177	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	0.0	UG/L	6/26/97	GRO
65876-MBLK177MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	116			PERCENT	6/26/97	GRO
65876-MBLK177MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	116			PERCENT	6/26/97	GRO
65876-MBLK177MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	960		0.0	UG/L	6/26/97	GRO
65876-MBLK177MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	950		0.0	UG/L	6/26/97	GRO
65876-MBLK180	FLUOROBENZENE (S)	LAB QC SAMPLES	88			PERCENT	6/30/97	GRO
65876-MBLK180	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	0.0	UG/L	6/30/97	GRO
65876-MBLK180MS	FLUOROBENZENE (S)	LAB QC SAMPLES	102			PERCENT	6/29/97	GRO
65876-MBLK180MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1200		0.0	UG/L	6/29/97	GRO
65876-MBLK180MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	101			PERCENT	6/30/97	GRO
65876-MBLK180MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1100		0.0	UG/L	6/30/97	GRO
65876-MBLK181	FLUOROBENZENE (S)	LAB QC SAMPLES	86			PERCENT	6/30/97	GRO
65876-MBLK181	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	0.0	UG/L	6/30/97	GRO
65876-MBLK181MS	FLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	6/30/97	GRO
65876-MBLK181MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1200		0.0	UG/L	6/30/97	GRO
65876-MBLK181MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	93			PERCENT	7/1/97	GRO
65876-MBLK181MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1100		0.0	UG/L	7/1/97	GRO
65876-PB1	ALUMINUM	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
65876-PB1	ALUMINUM-D	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
65876-PB1	ANTIMONY	LAB QC SAMPLES	40	U	40	UG/L	7/14/97	METALS
65876-PB1	ANTIMONY-D	LAB QC SAMPLES	40	U	40	UG/L	7/14/97	METALS
65876-PB1	ARSENIC	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
65876-PB1	ARSENIC-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
65876-PB1	BARIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	BARIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	BERYLLIUM	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
65876-PB1	BERYLLIUM-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
65876-PB1	CADMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	CADMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	CALCIUM	LAB QC SAMPLES	38	U	38	UG/L	7/14/97	METALS
65876-PB1	CALCIUM-D	LAB QC SAMPLES	38	U	38	UG/L	7/14/97	METALS
65876-PB1	CHROMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	CHROMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	COBALT	LAB QC SAMPLES	10	U	10	UG/L	7/14/97	METALS
65876-PB1	COBALT-D	LAB QC SAMPLES	10	U	10	UG/L	7/14/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

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65876-PB1	COPPER	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/14/97	METALS
65876-PB1	COPPER-D	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/14/97	METALS
65876-PB1	IRON	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
65876-PB1	IRON-D	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
65876-PB1	LEAD	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/22/97	METALS
65876-PB1	LEAD-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/22/97	METALS
65876-PB1	MAGNESIUM	LAB QC SAMPLES	32	U	32	UG/L	7/14/97	METALS
65876-PB1	MAGNESIUM-D	LAB QC SAMPLES	32	U	32	UG/L	7/14/97	METALS
65876-PB1	MANGANESE	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
65876-PB1	MANGANESE-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
65876-PB1	NICKEL	LAB QC SAMPLES	20	U	20	UG/L	7/14/97	METALS
65876-PB1	NICKEL-D	LAB QC SAMPLES	20	U	20	UG/L	7/14/97	METALS
65876-PB1	POTASSIUM	LAB QC SAMPLES	600	U	600	UG/L	7/14/97	METALS
65876-PB1	POTASSIUM-D	LAB QC SAMPLES	600	U	600	UG/L	7/14/97	METALS
65876-PB1	SELENIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
65876-PB1	SELENIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
65876-PB1	SILVER	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	SILVER-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	SODIUM	LAB QC SAMPLES	29	U	29	UG/L	7/14/97	METALS
65876-PB1	SODIUM-D	LAB QC SAMPLES	29	U	29	UG/L	7/14/97	METALS
65876-PB1	THALLIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
65876-PB1	THALLIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
65876-PB1	VANADIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	VANADIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
65876-PB1	ZINC	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/14/97	METALS
65876-PB1	ZINC-D	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/14/97	METALS
65876-PB7	MERCURY	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/9/97	METALS
65876-PB7	MERCURY-D	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/15/97	METALS
65876-SBLK177	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	1,2-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	93			PERCENT	6/26/97	SVOC
65876-SBLK177	1,3-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	1,4-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	114			PERCENT	6/26/97	SVOC
65876-SBLK177	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,4-DICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,4-DINITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	2,4-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2,6-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2-CHLORONAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2-CHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2-CHLOROPHENOL-D4	LAB QC SAMPLES	82			PERCENT	6/26/97	SVOC
65876-SBLK177	2-FLUOROBIPHENYL	LAB QC SAMPLES	90			PERCENT	6/26/97	SVOC
65876-SBLK177	2-FLUOROPHENOL	LAB QC SAMPLES	68			PERCENT	6/26/97	SVOC
65876-SBLK177	2-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	2-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	2-NITROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/26/97	SVOC
65876-SBLK177	3-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	20	U	20	UG/L	6/26/97	SVOC
65876-SBLK177	4-CHLOROANILINE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	4-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	4-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	4-NITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	ACENAPHTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	ACENAPHTHYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BENZO(A)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BENZO(A)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BENZOIC ACID	LAB QC SAMPLES	50	U	50	UG/L	6/26/97	SVOC
65876-SBLK177	BENZYL ALCOHOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-SBLK177	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	CARBAZOLE	LAB QC SAMPLES	20	U	20	UG/L	6/26/97	SVOC
65876-SBLK177	CHRYSENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	DIBENZOFURAN	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	DIETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	DIMETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	FLUORENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	HEXACHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	HEXACHLOROBUTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	HEXACHLOROETHANE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	ISOPHORONE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	NAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	NITROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	NITROBENZENE-D5	LAB QC SAMPLES	92			PERCENT	6/26/97	SVOC
65876-SBLK177	PENTACHLOROPHENOL	LAB QC SAMPLES	30	U	30	UG/L	6/26/97	SVOC
65876-SBLK177	PHENANTHRENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	PHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	PHENOL-D6	LAB QC SAMPLES	88			PERCENT	6/26/97	SVOC
65876-SBLK177	PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/26/97	SVOC
65876-SBLK177	TERPHENYL-D14	LAB QC SAMPLES	98			PERCENT	6/26/97	SVOC
65876-SBLK177MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	54		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	47		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	90			PERCENT	6/26/97	SVOC
65876-SBLK177MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	38		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	54		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	121			PERCENT	6/26/97	SVOC
65876-SBLK177MS	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,4-DICHLOROPHENOL	LAB QC SAMPLES	60		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	43		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,4-DINITROPHENOL	LAB QC SAMPLES	77		50	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,4-DINITROTOLUENE	LAB QC SAMPLES	58		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2,6-DINITROTOLUENE	LAB QC SAMPLES	66		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2-CHLORONAPHTHALENE	LAB QC SAMPLES	53		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2-CHLOROPHENOL	LAB QC SAMPLES	43		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2-CHLOROPHENOL-D4	LAB QC SAMPLES	93			PERCENT	6/26/97	SVOC
65876-SBLK177MS	2-FLUOROBIPHENYL	LAB QC SAMPLES	95			PERCENT	6/26/97	SVOC
65876-SBLK177MS	2-FLUOROPHENOL	LAB QC SAMPLES	78			PERCENT	6/26/97	SVOC
65876-SBLK177MS	2-METHYLNAPHTHALENE	LAB QC SAMPLES	52		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2-METHYLPHENOL	LAB QC SAMPLES	43		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	2-NITROANILINE	LAB QC SAMPLES	43	J	50	UG/L	6/26/97	SVOC
65876-SBLK177MS	2-NITROPHENOL	LAB QC SAMPLES	58		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/26/97	SVOC
65876-SBLK177MS	3-NITROANILINE	LAB QC SAMPLES	28	J	50	UG/L	6/26/97	SVOC
65876-SBLK177MS	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	64		50	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	62		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	54		20	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-CHLOROANILINE	LAB QC SAMPLES	3	J	10	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	51		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-METHYLPHENOL	LAB QC SAMPLES	46		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-NITROANILINE	LAB QC SAMPLES	47	J	50	UG/L	6/26/97	SVOC
65876-SBLK177MS	4-NITROPHENOL	LAB QC SAMPLES	58		50	UG/L	6/26/97	SVOC
65876-SBLK177MS	ACENAPHTHENE	LAB QC SAMPLES	53		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	ACENAPHTHYLENE	LAB QC SAMPLES	51		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	ANTHRACENE	LAB QC SAMPLES	51		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZO(A)ANTHRACENE	LAB QC SAMPLES	61		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZO(A)PYRENE	LAB QC SAMPLES	69		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	76		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	88	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	75		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZOIC ACID	LAB QC SAMPLES	150	E	50	UG/L	6/26/97	SVOC
65876-SBLK177MS	BENZYL ALCOHOL	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-SBLK177MS	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	32		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	58		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	57		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	CARBAZOLE	LAB QC SAMPLES	57		20	UG/L	6/26/97	SVOC
65876-SBLK177MS	CHRYSENE	LAB QC SAMPLES	59		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	57		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	65		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	81	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MS	DIBENZOFURAN	LAB QC SAMPLES	51		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	DIETHYLPHTHALATE	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	DIMETHYLPHTHALATE	LAB QC SAMPLES	56		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	FLUORANTHENE	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	FLUORENE	LAB QC SAMPLES	53		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	HEXACHLOROBENZENE	LAB QC SAMPLES	61		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	58		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	27		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	HEXACHLOROETHANE	LAB QC SAMPLES	44		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	92	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MS	ISOPHORONE	LAB QC SAMPLES	47		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	44		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	25		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	NAPHTHALENE	LAB QC SAMPLES	47		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	NITROBENZENE	LAB QC SAMPLES	56		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	NITROBENZENE-D5	LAB QC SAMPLES	102			PERCENT	6/26/97	SVOC
65876-SBLK177MS	PENTACHLOROPHENOL	LAB QC SAMPLES	69		30	UG/L	6/26/97	SVOC
65876-SBLK177MS	PHENANTHRENE	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	PHENOL	LAB QC SAMPLES	45		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	PHENOL-D6	LAB QC SAMPLES	93			PERCENT	6/26/97	SVOC
65876-SBLK177MS	PYRENE	LAB QC SAMPLES	52		10	UG/L	6/26/97	SVOC
65876-SBLK177MS	TERPHENYL-D14	LAB QC SAMPLES	110			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	52		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	1,2-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	84			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	1,3-DICHLOROBENZENE	LAB QC SAMPLES	47		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	1,4-DICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	35		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	119			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,4-DICHLOROPHENOL	LAB QC SAMPLES	61		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	24		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,4-DINITROPHENOL	LAB QC SAMPLES	87	E	50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,4-DINITROTOLUENE	LAB QC SAMPLES	65		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2,6-DINITROTOLUENE	LAB QC SAMPLES	65		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2-CHLORONAPHTHALENE	LAB QC SAMPLES	52		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2-CHLOROPHENOL	LAB QC SAMPLES	42		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2-CHLOROPHENOL-D4	LAB QC SAMPLES	87			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	2-FLUOROBIPHENYL	LAB QC SAMPLES	92			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	2-FLUOROPHENOL	LAB QC SAMPLES	75			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	2-METHYLNAPHTHALENE	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2-METHYLPHENOL	LAB QC SAMPLES	40		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2-NITROANILINE	LAB QC SAMPLES	44	J	50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	2-NITROPHENOL	LAB QC SAMPLES	58		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	10	J	20	UG/L	6/26/97	SVOC
65876-SBLK177MSD	3-NITROANILINE	LAB QC SAMPLES	37	J	50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	67		50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	64		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	53		20	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-CHLOROANILINE	LAB QC SAMPLES	8	J	10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	51		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-METHYLPHENOL	LAB QC SAMPLES	40		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-NITROANILINE	LAB QC SAMPLES	52		50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	4-NITROPHENOL	LAB QC SAMPLES	60		50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	ACENAPHTHENE	LAB QC SAMPLES	54		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	ACENAPHTHYLENE	LAB QC SAMPLES	52		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	ANTHRACENE	LAB QC SAMPLES	51		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZO(A)ANTHRACENE	LAB QC SAMPLES	65		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZO(A)PYRENE	LAB QC SAMPLES	73		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	86	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	81	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	72		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZOIC ACID	LAB QC SAMPLES	160	E	50	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BENZYL ALCOHOL	LAB QC SAMPLES	53		10	UG/L	6/26/97	SVOC

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-SBLK177MSD	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	33		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	60		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	59		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	CARBAZOLE	LAB QC SAMPLES	53		20	UG/L	6/26/97	SVOC
65876-SBLK177MSD	CHRYSENE	LAB QC SAMPLES	65		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	54		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	68		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	84	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	DIBENZOFURAN	LAB QC SAMPLES	52		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	DIETHYLPHTHALATE	LAB QC SAMPLES	54		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	DIMETHYLPHTHALATE	LAB QC SAMPLES	57		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	FLUORANTHENE	LAB QC SAMPLES	53		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	FLUORENE	LAB QC SAMPLES	55		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	HEXACHLOROBENZENE	LAB QC SAMPLES	62		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	HEXACHLOROBUTADIENE	LAB QC SAMPLES	57		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	36		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	HEXACHLOROETHANE	LAB QC SAMPLES	42		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	91	E	10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	ISOPHORONE	LAB QC SAMPLES	50		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	42		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	48		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	NAPHTHALENE	LAB QC SAMPLES	45		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	NITROBENZENE	LAB QC SAMPLES	53		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	NITROBENZENE-D5	LAB QC SAMPLES	101			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	PENTACHLOROPHENOL	LAB QC SAMPLES	74		30	UG/L	6/26/97	SVOC
65876-SBLK177MSD	PHENANTHRENE	LAB QC SAMPLES	54		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	PHENOL	LAB QC SAMPLES	42		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	PHENOL-D6	LAB QC SAMPLES	91			PERCENT	6/26/97	SVOC
65876-SBLK177MSD	PYRENE	LAB QC SAMPLES	57		10	UG/L	6/26/97	SVOC
65876-SBLK177MSD	TERPHENYL-D14	LAB QC SAMPLES	117			PERCENT	6/26/97	SVOC
65876-VBLK184	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	106			PERCENT	7/3/97	VOC
65876-VBLK184	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/3/97	VOC
65876-VBLK184	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	ACETONE	LAB QC SAMPLES	7.7		1.0	UG/L	7/3/97	VOC
65876-VBLK184	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	108			PERCENT	7/3/97	VOC
65876-VBLK184	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/3/97	VOC
65876-VBLK184	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC

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PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-VBLK184MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.4		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	104			PERCENT	7/3/97	VOC
65876-VBLK184MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	2-BUTANONE	LAB QC SAMPLES	21		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	2-HEXANONE	LAB QC SAMPLES	23		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/3/97	VOC
65876-VBLK184MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	ACETONE	LAB QC SAMPLES	21	B	1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	BENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	BROMOMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CARBON DISULFIDE	LAB QC SAMPLES	4.2		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CHLOROFORM	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CHLOROMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.4		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	108			PERCENT	7/3/97	VOC
65876-VBLK184MS	ETHYLBENZENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	M&P-XYLENE	LAB QC SAMPLES	9.4		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.3		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	O-XYLENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	STYRENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	TOLUENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/3/97	VOC
65876-VBLK184MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	TRICHLOROETHENE	LAB QC SAMPLES	4.1		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	VINYL CHLORIDE	LAB QC SAMPLES	5.1		1.0	UG/L	7/3/97	VOC
65876-VBLK184MS	XYLENE (TOTAL)	LAB QC SAMPLES	14		1.0	UG/L	7/3/97	VOC
65876-VBLK187	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/6/97	VOC
65876-VBLK187	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/6/97	VOC
65876-VBLK187	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	ACETONE	LAB QC SAMPLES	4.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	110			PERCENT	7/6/97	VOC
65876-VBLK187	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC

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SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-VBLK187	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/6/97	VOC
65876-VBLK187	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/6/97	VOC
65876-VBLK187MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	2-BUTANONE	LAB QC SAMPLES	26		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	2-HEXANONE	LAB QC SAMPLES	24		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/6/97	VOC
65876-VBLK187MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	23		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	ACETONE	LAB QC SAMPLES	41	B	1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	BENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	BROMOMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CARBON DISULFIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.9		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CHLOROFORM	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CHLOROMETHANE	LAB QC SAMPLES	6.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	104			PERCENT	7/6/97	VOC
65876-VBLK187MS	ETHYLBENZENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	M&P-XYLENE	LAB QC SAMPLES	9.6		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	O-XYLENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	STYRENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/6/97	VOC
65876-VBLK187MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	TRICHLOROETHENE	LAB QC SAMPLES	4.2		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	VINYL CHLORIDE	LAB QC SAMPLES	6.2		1.0	UG/L	7/6/97	VOC
65876-VBLK187MS	XYLENE (TOTAL)	LAB QC SAMPLES	14		1.0	UG/L	7/6/97	VOC
65876-VBLK189	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
65876-VBLK189	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/8/97	VOC
65876-VBLK189	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	ACETONE	LAB QC SAMPLES	6.6		1.0	UG/L	7/8/97	VOC
65876-VBLK189	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-VBLK189	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	110			PERCENT	7/8/97	VOC
65876-VBLK189	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/8/97	VOC
65876-VBLK189	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
65876-VBLK189MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	2-BUTANONE	LAB QC SAMPLES	27	E	1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	2-HEXANONE	LAB QC SAMPLES	27	E	1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
65876-VBLK189MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	26	E	1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	ACETONE	LAB QC SAMPLES	21	B	1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	BROMOMETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CARBON DISULFIDE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CHLOROETHANE	LAB QC SAMPLES	6.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CHLOROFORM	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CHLOROMETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	106			PERCENT	7/8/97	VOC
65876-VBLK189MS	ETHYLBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	M&P-XYLENE	LAB QC SAMPLES	9.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	METHYLENE CHLORIDE	LAB QC SAMPLES	5.4	B	1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	O-XYLENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	STYRENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
65876-VBLK189MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	TRICHLOROETHENE	LAB QC SAMPLES	4.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	VINYL CHLORIDE	LAB QC SAMPLES	7.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,1-DICHLOROETHANE	LAB QC SAMPLES	6.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,2-DICHLOROETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	120			PERCENT	7/8/97	VOC
65876-VBLK189MSD	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	2-BUTANONE	LAB QC SAMPLES	27	E	1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	2-HEXANONE	LAB QC SAMPLES	26	E	1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
65876-VBLK189MSD	4-METHYL-2-PENTANONE	LAB QC SAMPLES	26	E	1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	ACETONE	LAB QC SAMPLES	17	B	1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	BENZENE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-VBLK189MSD	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	BROMOFORM	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	BROMOMETHANE	LAB QC SAMPLES	8.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CARBON DISULFIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CHLOROBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CHLOROETHANE	LAB QC SAMPLES	7.9		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CHLOROFORM	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CHLOROMETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	112			PERCENT	7/8/97	VOC
65876-VBLK189MSD	ETHYLBENZENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	M&P-XYLENE	LAB QC SAMPLES	10		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	METHYLENE CHLORIDE	LAB QC SAMPLES	6.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	O-XYLENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	STYRENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	TETRACHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	TOLUENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
65876-VBLK189MSD	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	TRICHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	VINYL CHLORIDE	LAB QC SAMPLES	8.1		1.0	UG/L	7/8/97	VOC
65876-VBLK189MSD	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
65876-VBLK204	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	116			PERCENT	7/23/97	VOC
65876-VBLK204	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	90			PERCENT	7/23/97	VOC
65876-VBLK204	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	ACETONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	114			PERCENT	7/23/97	VOC
65876-VBLK204	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/23/97	VOC
65876-VBLK204	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/23/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
65876-VBLK204MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/23/97	VOC
65876-VBLK204MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	2-BUTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	2-HEXANONE	LAB QC SAMPLES	22		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	104			PERCENT	7/23/97	VOC
65876-VBLK204MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	ACETONE	LAB QC SAMPLES	33	E	1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	BROMOFORM	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	BROMOMETHANE	LAB QC SAMPLES	8.0		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CARBON DISULFIDE	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	6.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CHLOROBENZENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CHLOROETHANE	LAB QC SAMPLES	7.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CHLOROFORM	LAB QC SAMPLES	5.8		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CHLOROMETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	108			PERCENT	7/23/97	VOC
65876-VBLK204MS	ETHYLBENZENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	M&P-XYLENE	LAB QC SAMPLES	11		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.6		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	O-XYLENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	STYRENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	TETRACHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	TOLUENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/23/97	VOC
65876-VBLK204MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	TRICHLOROETHENE	LAB QC SAMPLES	5.8		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	VINYL CHLORIDE	LAB QC SAMPLES	7.2		1.0	UG/L	7/23/97	VOC
65876-VBLK204MS	XYLENE (TOTAL)	LAB QC SAMPLES	16		1.0	UG/L	7/23/97	VOC
70447-10171189	CHLORIDE (AS CL)	LAB QC SAMPLES	1.0	U	0.5	MG/L	6/30/97	GENCHEM
70447-10171189	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/30/97	GENCHEM
70447-10171189	NITROGEN, NITRITE	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/30/97	GENCHEM
70447-10171189	SULFATE (AS SO4)	LAB QC SAMPLES	1.0	U	1.0	MG/L	6/30/97	GENCHEM
70447-10171197	CHLORIDE (AS CL)	LAB QC SAMPLES	4.543		0.5	MG/L	6/30/97	GENCHEM
70447-10171197	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	5.302		0.1	MG/L	6/30/97	GENCHEM
70447-10171197	NITROGEN, NITRITE	LAB QC SAMPLES	4.824		0.1	MG/L	6/30/97	GENCHEM
70447-10171197	SULFATE (AS SO4)	LAB QC SAMPLES	4.733		1.0	MG/L	6/30/97	GENCHEM
70447-10171205	CHLORIDE (AS CL)	LAB QC SAMPLES	5.204		0.5	MG/L	6/30/97	GENCHEM
70447-10171205	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	5.300		0.1	MG/L	6/30/97	GENCHEM
70447-10171205	NITROGEN, NITRITE	LAB QC SAMPLES	4.847		0.1	MG/L	6/30/97	GENCHEM
70447-10171205	SULFATE (AS SO4)	LAB QC SAMPLES	4.850		1.0	MG/L	6/30/97	GENCHEM
70447-10175875	TOTAL ORGANIC CARBON	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/9/97	GENCHEM
70447-10175917	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.390		1.0	MG/L	7/9/97	GENCHEM
70447-10175925	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.210		1.0	MG/L	7/9/97	GENCHEM
70447-LCS1	ALUMINUM	LAB QC SAMPLES	993		25	UG/L	7/14/97	METALS
70447-LCS1	ALUMINUM-D	LAB QC SAMPLES	996		25	UG/L	7/14/97	METALS
70447-LCS1	ANTIMONY	LAB QC SAMPLES	869		40	UG/L	7/14/97	METALS
70447-LCS1	ANTIMONY-D	LAB QC SAMPLES	928		40	UG/L	7/14/97	METALS
70447-LCS1	ARSENIC	LAB QC SAMPLES	1020		5.0	UG/L	7/22/97	METALS
70447-LCS1	ARSENIC-D	LAB QC SAMPLES	996		5.0	UG/L	7/22/97	METALS
70447-LCS1	BARIUM	LAB QC SAMPLES	933		5.0	UG/L	7/14/97	METALS
70447-LCS1	BARIUM-D	LAB QC SAMPLES	921		5.0	UG/L	7/14/97	METALS
70447-LCS1	BERYLLIUM	LAB QC SAMPLES	979		2.0	UG/L	7/14/97	METALS
70447-LCS1	BERYLLIUM-D	LAB QC SAMPLES	958		2.0	UG/L	7/14/97	METALS
70447-LCS1	CADMIUM	LAB QC SAMPLES	959		5.0	UG/L	7/14/97	METALS
70447-LCS1	CADMIUM-D	LAB QC SAMPLES	951		5.0	UG/L	7/14/97	METALS
70447-LCS1	CALCIUM	LAB QC SAMPLES	49000		38	UG/L	7/14/97	METALS
70447-LCS1	CALCIUM-D	LAB QC SAMPLES	47900		38	UG/L	7/14/97	METALS
70447-LCS1	CHROMIUM	LAB QC SAMPLES	950		5.0	UG/L	7/14/97	METALS
70447-LCS1	CHROMIUM-D	LAB QC SAMPLES	930		5.0	UG/L	7/14/97	METALS
70447-LCS1	COBALT	LAB QC SAMPLES	947		10	UG/L	7/14/97	METALS
70447-LCS1	COBALT-D	LAB QC SAMPLES	929		10	UG/L	7/14/97	METALS
70447-LCS1	COPPER	LAB QC SAMPLES	958		3.0	UG/L	7/14/97	METALS
70447-LCS1	COPPER-D	LAB QC SAMPLES	946		3.0	UG/L	7/14/97	METALS
70447-LCS1	IRON	LAB QC SAMPLES	995		25	UG/L	7/14/97	METALS
70447-LCS1	IRON-D	LAB QC SAMPLES	992		25	UG/L	7/14/97	METALS
70447-LCS1	LEAD	LAB QC SAMPLES	995		2.0	UG/L	7/22/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-LCS1	LEAD-D	LAB QC SAMPLES	1000		2.0	UG/L	7/22/97	METALS
70447-LCS1	MAGNESIUM	LAB QC SAMPLES	49100		32	UG/L	7/14/97	METALS
70447-LCS1	MAGNESIUM-D	LAB QC SAMPLES	48200		32	UG/L	7/14/97	METALS
70447-LCS1	MANGANESE	LAB QC SAMPLES	967		2.0	UG/L	7/14/97	METALS
70447-LCS1	MANGANESE-D	LAB QC SAMPLES	950		2.0	UG/L	7/14/97	METALS
70447-LCS1	NICKEL	LAB QC SAMPLES	956		20	UG/L	7/14/97	METALS
70447-LCS1	NICKEL-D	LAB QC SAMPLES	934		20	UG/L	7/14/97	METALS
70447-LCS1	POTASSIUM	LAB QC SAMPLES	48200		600	UG/L	7/14/97	METALS
70447-LCS1	POTASSIUM-D	LAB QC SAMPLES	48000		600	UG/L	7/14/97	METALS
70447-LCS1	SELENIUM	LAB QC SAMPLES	1070		5.0	UG/L	7/22/97	METALS
70447-LCS1	SELENIUM-D	LAB QC SAMPLES	1020		5.0	UG/L	7/22/97	METALS
70447-LCS1	SILVER	LAB QC SAMPLES	954		5.0	UG/L	7/14/97	METALS
70447-LCS1	SILVER-D	LAB QC SAMPLES	943		5.0	UG/L	7/14/97	METALS
70447-LCS1	SODIUM	LAB QC SAMPLES	49300		29	UG/L	7/14/97	METALS
70447-LCS1	SODIUM-D	LAB QC SAMPLES	48700		29	UG/L	7/14/97	METALS
70447-LCS1	THALLIUM	LAB QC SAMPLES	926		5.0	UG/L	7/22/97	METALS
70447-LCS1	THALLIUM-D	LAB QC SAMPLES	949		5.0	UG/L	7/22/97	METALS
70447-LCS1	VANADIUM	LAB QC SAMPLES	950		5.0	UG/L	7/14/97	METALS
70447-LCS1	VANADIUM-D	LAB QC SAMPLES	939		5.0	UG/L	7/14/97	METALS
70447-LCS1	ZINC	LAB QC SAMPLES	959		4.0	UG/L	7/14/97	METALS
70447-LCS1	ZINC-D	LAB QC SAMPLES	972		4.0	UG/L	7/14/97	METALS
70447-LCS7	MERCURY	LAB QC SAMPLES	5.03		0.20	UG/L	7/9/97	METALS
70447-LCS7	MERCURY-D	LAB QC SAMPLES	5.54		0.20	UG/L	7/15/97	METALS
70447-MBLK183	FLUOROBENZENE (S)	LAB QC SAMPLES	97			PERCENT	7/2/97	GRO
70447-MBLK183	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	GRO
70447-MBLK183MS	FLUOROBENZENE (S)	LAB QC SAMPLES	131			PERCENT	7/2/97	GRO
70447-MBLK183MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	890		50	UG/L	7/2/97	GRO
70447-MBLK183MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	132			PERCENT	7/2/97	GRO
70447-MBLK183MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	900		50	UG/L	7/2/97	GRO
70447-MBLK184	FLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/3/97	GRO
70447-MBLK184	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/3/97	GRO
70447-MBLK184MS	FLUOROBENZENE (S)	LAB QC SAMPLES	132			PERCENT	7/3/97	GRO
70447-MBLK184MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	890		50	UG/L	7/3/97	GRO
70447-MBLK184MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	136			PERCENT	7/3/97	GRO
70447-MBLK184MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	930		50	UG/L	7/3/97	GRO
70447-MBLK188	FLUOROBENZENE (S)	LAB QC SAMPLES	94			PERCENT	7/7/97	GRO
70447-MBLK188	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/7/97	GRO
70447-MBLK188MS	FLUOROBENZENE (S)	LAB QC SAMPLES	103			PERCENT	7/7/97	GRO
70447-MBLK188MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1000		50	UG/L	7/7/97	GRO
70447-MBLK188MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	104			PERCENT	7/7/97	GRO
70447-MBLK188MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1000		50	UG/L	7/7/97	GRO
70447-PB1	ALUMINUM	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
70447-PB1	ALUMINUM-D	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
70447-PB1	ANTIMONY	LAB QC SAMPLES	40	U	40	UG/L	7/14/97	METALS
70447-PB1	ANTIMONY-D	LAB QC SAMPLES	40	U	40	UG/L	7/14/97	METALS
70447-PB1	ARSENIC	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
70447-PB1	ARSENIC-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
70447-PB1	BARIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	BARIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	BERYLLIUM	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
70447-PB1	BERYLLIUM-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
70447-PB1	CADMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	CADMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	CALCIUM	LAB QC SAMPLES	38	U	38	UG/L	7/14/97	METALS
70447-PB1	CALCIUM-D	LAB QC SAMPLES	38	U	38	UG/L	7/14/97	METALS
70447-PB1	CHROMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	CHROMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	COBALT	LAB QC SAMPLES	10	U	10	UG/L	7/14/97	METALS
70447-PB1	COBALT-D	LAB QC SAMPLES	10	U	10	UG/L	7/14/97	METALS
70447-PB1	COPPER	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/14/97	METALS
70447-PB1	COPPER-D	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/14/97	METALS
70447-PB1	IRON	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
70447-PB1	IRON-D	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
70447-PB1	LEAD	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/22/97	METALS
70447-PB1	LEAD-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/22/97	METALS
70447-PB1	MAGNESIUM	LAB QC SAMPLES	32	U	32	UG/L	7/14/97	METALS
70447-PB1	MAGNESIUM-D	LAB QC SAMPLES	32	U	32	UG/L	7/14/97	METALS
70447-PB1	MANGANESE	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
70447-PB1	MANGANESE-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
70447-PB1	NICKEL	LAB QC SAMPLES	20	U	20	UG/L	7/14/97	METALS
70447-PB1	NICKEL-D	LAB QC SAMPLES	20	U	20	UG/L	7/14/97	METALS
70447-PB1	POTASSIUM	LAB QC SAMPLES	600	U	600	UG/L	7/14/97	METALS
70447-PB1	POTASSIUM-D	LAB QC SAMPLES	600	U	600	UG/L	7/14/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

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70447-PB1	SELENIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
70447-PB1	SELENIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
70447-PB1	SILVER	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	SILVER-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	SODIUM	LAB QC SAMPLES	29	U	29	UG/L	7/14/97	METALS
70447-PB1	SODIUM-D	LAB QC SAMPLES	29	U	29	UG/L	7/14/97	METALS
70447-PB1	THALLIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
70447-PB1	THALLIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
70447-PB1	VANADIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	VANADIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
70447-PB1	ZINC	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/14/97	METALS
70447-PB1	ZINC-D	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/14/97	METALS
70447-PB7	MERCURY	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/9/97	METALS
70447-PB7	MERCURY-D	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/15/97	METALS
70447-SBLK181	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	1,2-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	83			PERCENT	6/30/97	SVOC
70447-SBLK181	1,3-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	1,4-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	1-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	119			PERCENT	6/30/97	SVOC
70447-SBLK181	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,4-DICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,4-DINITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	2,4-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2,6-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2-CHLORONAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2-CHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2-CHLOROPHENOL-D4	LAB QC SAMPLES	82			PERCENT	6/30/97	SVOC
70447-SBLK181	2-FLUOROBIPHENYL	LAB QC SAMPLES	84			PERCENT	6/30/97	SVOC
70447-SBLK181	2-FLUOROPHENOL	LAB QC SAMPLES	67			PERCENT	6/30/97	SVOC
70447-SBLK181	2-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	2-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	2-NITROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
70447-SBLK181	3-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
70447-SBLK181	4-CHLOROANILINE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	4-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	4-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	4-NITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	ACENAPHTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	ACENAPHTHYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BENZO(A)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BENZO(A)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BENZOIC ACID	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
70447-SBLK181	BENZYL ALCOHOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	72		10	UG/L	6/30/97	SVOC
70447-SBLK181	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	CARBAZOLE	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
70447-SBLK181	CHRYSENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	DIBENZOFURAN	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	DIETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	DIMETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	FLUORENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	HEXACHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-SBLK181	HEXACHLOROBUTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	HEXACHLOROETHANE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	ISOPHORONE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	NAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	NITROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	NITROBENZENE-D5	LAB QC SAMPLES	96			PERCENT	6/30/97	SVOC
70447-SBLK181	PENTACHLOROPHENOL	LAB QC SAMPLES	30	U	30	UG/L	6/30/97	SVOC
70447-SBLK181	PHENANTHRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	PHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	PHENOL-D6	LAB QC SAMPLES	87			PERCENT	6/30/97	SVOC
70447-SBLK181	PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181	TERPHENYL-D14	LAB QC SAMPLES	103			PERCENT	6/30/97	SVOC
70447-SBLK181MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	83			PERCENT	6/30/97	SVOC
70447-SBLK181MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	1-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	34		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	108			PERCENT	6/30/97	SVOC
70447-SBLK181MS	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,4-DICHLOROPHENOL	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	33		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,4-DINITROPHENOL	LAB QC SAMPLES	70		50	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,4-DINITROTOLUENE	LAB QC SAMPLES	53		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2,6-DINITROTOLUENE	LAB QC SAMPLES	57		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2-CHLORONAPHTHALENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2-CHLOROPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2-CHLOROPHENOL-D4	LAB QC SAMPLES	83			PERCENT	6/30/97	SVOC
70447-SBLK181MS	2-FLUOROBIPHENYL	LAB QC SAMPLES	90			PERCENT	6/30/97	SVOC
70447-SBLK181MS	2-FLUOROPHENOL	LAB QC SAMPLES	68			PERCENT	6/30/97	SVOC
70447-SBLK181MS	2-METHYLNAPHTHALENE	LAB QC SAMPLES	46		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2-METHYLPHENOL	LAB QC SAMPLES	37		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	2-NITROANILINE	LAB QC SAMPLES	36	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MS	2-NITROPHENOL	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
70447-SBLK181MS	3-NITROANILINE	LAB QC SAMPLES	7	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MS	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	57		50	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	55		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	45		20	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-CHLOROANILINE	LAB QC SAMPLES	4	J	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	46		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-METHYLPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-NITROANILINE	LAB QC SAMPLES	16	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MS	4-NITROPHENOL	LAB QC SAMPLES	45	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MS	ACENAPHTHENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	ACENAPHTHYLENE	LAB QC SAMPLES	47		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	ANTHRACENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZO(A)ANTHRACENE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZO(A)PYRENE	LAB QC SAMPLES	85	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	99	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	98	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	90	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZOIC ACID	LAB QC SAMPLES	130	E	50	UG/L	6/30/97	SVOC
70447-SBLK181MS	BENZYL ALCOHOL	LAB QC SAMPLES	41		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	43		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	29		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	430	EB	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	53		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	CARBAZOLE	LAB QC SAMPLES	35		20	UG/L	6/30/97	SVOC
70447-SBLK181MS	CHRYSENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	82	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	94	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	DIBENZOFURAN	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	DIETHYLPHTHALATE	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	DIMETHYLPHTHALATE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	FLUORANTHENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-SBLK181MS	FLUORENE	LAB QC SAMPLES	47		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	HEXACHLOROBENZENE	LAB QC SAMPLES	55		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	HEXACHLOROETHANE	LAB QC SAMPLES	40		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	100	E	10	UG/L	6/30/97	SVOC
70447-SBLK181MS	ISOPHORONE	LAB QC SAMPLES	43		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	16		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	NAPHTHALENE	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	NITROBENZENE	LAB QC SAMPLES	46		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	NITROBENZENE-D5	LAB QC SAMPLES	95			PERCENT	6/30/97	SVOC
70447-SBLK181MS	PENTACHLOROPHENOL	LAB QC SAMPLES	57		30	UG/L	6/30/97	SVOC
70447-SBLK181MS	PHENANTHRENE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	PHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	PHENOL-D6	LAB QC SAMPLES	84			PERCENT	6/30/97	SVOC
70447-SBLK181MS	PYRENE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MS	TERPHENYL-D14	LAB QC SAMPLES	109			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	1,2-DICHLOROBENZENE	LAB QC SAMPLES	41		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	81			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	1,3-DICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	1,4-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	1-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	36		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	114			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,4-DICHLOROPHENOL	LAB QC SAMPLES	57		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	13		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,4-DINITROPHENOL	LAB QC SAMPLES	71		50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,4-DINITROTOLUENE	LAB QC SAMPLES	55		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2,6-DINITROTOLUENE	LAB QC SAMPLES	62		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2-CHLORONAPHTHALENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2-CHLOROPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2-CHLOROPHENOL-D4	LAB QC SAMPLES	85			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	2-FLUOROBIPHENYL	LAB QC SAMPLES	91			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	2-FLUOROPHENOL	LAB QC SAMPLES	71			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	2-METHYLNAPHTHALENE	LAB QC SAMPLES	47		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2-METHYLPHENOL	LAB QC SAMPLES	36		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2-NITROANILINE	LAB QC SAMPLES	43	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	2-NITROPHENOL	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	8	J	20	UG/L	6/30/97	SVOC
70447-SBLK181MSD	3-NITROANILINE	LAB QC SAMPLES	32	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	59		50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	59		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	48		20	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-CHLOROANILINE	LAB QC SAMPLES	8	J	10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-METHYLPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-NITROANILINE	LAB QC SAMPLES	42	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	4-NITROPHENOL	LAB QC SAMPLES	47	J	50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	ACENAPHTHENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	ACENAPHTHYLENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	ANTHRACENE	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZO(A)ANTHRACENE	LAB QC SAMPLES	60		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZO(A)PYRENE	LAB QC SAMPLES	66		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	74		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	77		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	68		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZOIC ACID	LAB QC SAMPLES	71		50	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BENZYL ALCOHOL	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	30		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	300	EB	10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	57		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	CARBAZOLE	LAB QC SAMPLES	49		20	UG/L	6/30/97	SVOC
70447-SBLK181MSD	CHRYSENE	LAB QC SAMPLES	56		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	62		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	71		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	DIBENZOFURAN	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	DIETHYLPHTHALATE	LAB QC SAMPLES	53		10	UG/L	6/30/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-SBLK181MSD	DIMETHYLPHTHALATE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	FLUORANTHENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	FLUORENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	HEXACHLOROBENZENE	LAB QC SAMPLES	58		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	HEXACHLOROBUTADIENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	19		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	HEXACHLOROETHANE	LAB QC SAMPLES	40		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	80		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	ISOPHORONE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	NAPHTHALENE	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	NITROBENZENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	NITROBENZENE-D5	LAB QC SAMPLES	99			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	PENTACHLOROPHENOL	LAB QC SAMPLES	60		30	UG/L	6/30/97	SVOC
70447-SBLK181MSD	PHENANTHRENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	PHENOL	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	PHENOL-D6	LAB QC SAMPLES	90			PERCENT	6/30/97	SVOC
70447-SBLK181MSD	PYRENE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
70447-SBLK181MSD	TERPHENYL-D14	LAB QC SAMPLES	117			PERCENT	6/30/97	SVOC
70447-VBLK187	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/6/97	VOC
70447-VBLK187	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/6/97	VOC
70447-VBLK187	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	ACETONE	LAB QC SAMPLES	4.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	110			PERCENT	7/6/97	VOC
70447-VBLK187	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/6/97	VOC
70447-VBLK187	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/6/97	VOC
70447-VBLK187MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	2-BUTANONE	LAB QC SAMPLES	26		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	2-HEXANONE	LAB QC SAMPLES	24		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/6/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-VBLK187MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	23		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	ACETONE	LAB QC SAMPLES	41	B	1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	BENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	BROMOMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CARBON DISULFIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.9		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CHLOROFORM	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CHLOROMETHANE	LAB QC SAMPLES	6.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	104			PERCENT	7/6/97	VOC
70447-VBLK187MS	ETHYLBENZENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	M&P-XYLENE	LAB QC SAMPLES	9.6		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	O-XYLENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	STYRENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/6/97	VOC
70447-VBLK187MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	TRICHLOROETHENE	LAB QC SAMPLES	4.2		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	VINYL CHLORIDE	LAB QC SAMPLES	6.2		1.0	UG/L	7/6/97	VOC
70447-VBLK187MS	XYLENE (TOTAL)	LAB QC SAMPLES	14		1.0	UG/L	7/6/97	VOC
70447-VBLK188	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	122			PERCENT	7/7/97	VOC
70447-VBLK188	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/7/97	VOC
70447-VBLK188	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	ACETONE	LAB QC SAMPLES	4.2		1.0	UG/L	7/7/97	VOC
70447-VBLK188	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	34			PERCENT	7/7/97	VOC
70447-VBLK188	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	METHYLENE CHLORIDE	LAB QC SAMPLES	1.2		1.0	UG/L	7/7/97	VOC
70447-VBLK188	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/7/97	VOC
70447-VBLK188	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/7/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-VBLK188MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	122			PERCENT	7/7/97	VOC
70447-VBLK188MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	2-BUTANONE	LAB QC SAMPLES	25		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	2-HEXANONE	LAB QC SAMPLES	24		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/7/97	VOC
70447-VBLK188MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	23		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	ACETONE	LAB QC SAMPLES	17	B	1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	BENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	BROMOFORM	LAB QC SAMPLES	4.1		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	BROMOMETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CARBON DISULFIDE	LAB QC SAMPLES	4.4		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CHLOROBENZENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CHLOROETHANE	LAB QC SAMPLES	6.4		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CHLOROFORM	LAB QC SAMPLES	4.9		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CHLOROMETHANE	LAB QC SAMPLES	5.9		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.0		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	112			PERCENT	7/7/97	VOC
70447-VBLK188MS	ETHYLBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	M&P-XYLENE	LAB QC SAMPLES	9.1		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	METHYLENE CHLORIDE	LAB QC SAMPLES	5.4	B	1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	O-XYLENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	STYRENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.0		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	TOLUENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/7/97	VOC
70447-VBLK188MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	TRICHLOROETHENE	LAB QC SAMPLES	4.2		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	VINYL CHLORIDE	LAB QC SAMPLES	6.8		1.0	UG/L	7/7/97	VOC
70447-VBLK188MS	XYLENE (TOTAL)	LAB QC SAMPLES	14		1.0	UG/L	7/7/97	VOC
70447-VBLK189	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	128			PERCENT	7/8/97	VOC
70447-VBLK189	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	2-HEXANONE	LAB QC SAMPLES	3.1		1.0	UG/L	7/8/97	VOC
70447-VBLK189	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/8/97	VOC
70447-VBLK189	4-METHYL-2-PENTANONE	LAB QC SAMPLES	3.1		1.0	UG/L	7/8/97	VOC
70447-VBLK189	ACETONE	LAB QC SAMPLES	6.3		1.0	UG/L	7/8/97	VOC
70447-VBLK189	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	114			PERCENT	7/8/97	VOC
70447-VBLK189	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-VBLK189	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
70447-VBLK189	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK189	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
70447-VBLK18901	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/8/97	VOC
70447-VBLK18901	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	ACETONE	LAB QC SAMPLES	6.6		1.0	UG/L	7/8/97	VOC
70447-VBLK18901	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	110			PERCENT	7/8/97	VOC
70447-VBLK18901	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0		1.0	UG/L	7/8/97	VOC
70447-VBLK18901	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/8/97	VOC
70447-VBLK18901	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.8		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
70447-VBLK18901MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	2-BUTANONE	LAB QC SAMPLES	27		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	2-HEXANONE	LAB QC SAMPLES	27		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
70447-VBLK18901MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	26		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	ACETONE	LAB QC SAMPLES	21	B	1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	BROMOMETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CARBON DISULFIDE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CHLOROETHANE	LAB QC SAMPLES	6.5		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CHLOROFORM	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CHLOROMETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
70447-VBLK18901MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	106			PERCENT	7/8/97	VOC
70447-VBLK18901MS	ETHYLBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	M&P-XYLENE	LAB QC SAMPLES	9.8		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	METHYLENE CHLORIDE	LAB QC SAMPLES	5.4	B	1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	O-XYLENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	STYRENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
70447-VBLK18901MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	TRICHLOROETHENE	LAB QC SAMPLES	4.1		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	VINYL CHLORIDE	LAB QC SAMPLES	7.1		1.0	UG/L	7/8/97	VOC
70447-VBLK18901MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
70447-VBLK189MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	2-BUTANONE	LAB QC SAMPLES	26		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	2-HEXANONE	LAB QC SAMPLES	25	B	1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
70447-VBLK189MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	24	B	1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	ACETONE	LAB QC SAMPLES	18	B	1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	BROMOMETHANE	LAB QC SAMPLES	7.7		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CARBON DISULFIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CHLOROETHANE	LAB QC SAMPLES	7.5		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CHLOROFORM	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CHLOROMETHANE	LAB QC SAMPLES	5.7		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.3		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	110			PERCENT	7/8/97	VOC
70447-VBLK189MS	ETHYLBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	M&P-XYLENE	LAB QC SAMPLES	9.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	METHYLENE CHLORIDE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	O-XYLENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	STYRENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/8/97	VOC
70447-VBLK189MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	TRICHLOROETHENE	LAB QC SAMPLES	4.3		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	VINYL CHLORIDE	LAB QC SAMPLES	8.0		1.0	UG/L	7/8/97	VOC
70447-VBLK189MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
71130-10171189	CHLORIDE (AS CL)	LAB QC SAMPLES	0.5	U	0.5	MG/L	6/30/97	GENCHEM
71130-10171189	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/30/97	GENCHEM
71130-10171189	NITROGEN, NITRITE	LAB QC SAMPLES	0.1	U	0.1	MG/L	6/30/97	GENCHEM
71130-10171189	SULFATE (AS SO4)	LAB QC SAMPLES	1.0	U	1.0	MG/L	6/30/97	GENCHEM
71130-10171197	CHLORIDE (AS CL)	LAB QC SAMPLES	4.543		0.5	MG/L	6/30/97	GENCHEM
71130-10171197	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	5.302		0.1	MG/L	6/30/97	GENCHEM
71130-10171197	NITROGEN, NITRITE	LAB QC SAMPLES	4.824		0.1	MG/L	6/30/97	GENCHEM
71130-10171197	SULFATE (AS SO4)	LAB QC SAMPLES	4.733		1.0	MG/L	6/30/97	GENCHEM
71130-10171205	CHLORIDE (AS CL)	LAB QC SAMPLES	5.204		0.5	MG/L	6/30/97	GENCHEM
71130-10171205	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	5.300		0.1	MG/L	6/30/97	GENCHEM
71130-10171205	NITROGEN, NITRITE	LAB QC SAMPLES	4.847		0.1	MG/L	6/30/97	GENCHEM
71130-10171205	SULFATE (AS SO4)	LAB QC SAMPLES	4.850		1.0	MG/L	6/30/97	GENCHEM
71130-10175875	TOTAL ORGANIC CARBON	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/9/97	GENCHEM
71130-10175917	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.390		1.0	MG/L	7/9/97	GENCHEM
71130-10175925	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.210		1.0	MG/L	7/9/97	GENCHEM
71130-MBLK184	FLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/3/97	GRO
71130-MBLK184	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/3/97	GRO

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
71130-MBLK184MS	FLUOROBENZENE (S)	LAB QC SAMPLES	132			PERCENT	7/3/97	GRO
71130-MBLK184MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	890		50	UG/L	7/3/97	GRO
71130-MBLK184MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	136			PERCENT	7/3/97	GRO
71130-MBLK184MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	930		50	UG/L	7/3/97	GRO
71130-MBLK188	FLUOROBENZENE (S)	LAB QC SAMPLES	97			PERCENT	7/7/97	GRO
71130-MBLK188	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/7/97	GRO
71130-MBLK188MS	FLUOROBENZENE (S)	LAB QC SAMPLES	137			PERCENT	7/7/97	GRO
71130-MBLK188MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1000		50	UG/L	7/7/97	GRO
71130-MBLK188MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	134			PERCENT	7/7/97	GRO
71130-MBLK188MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	850		50	UG/L	7/7/97	GRO
71130-SBLK181	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	1,2-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	83			PERCENT	6/30/97	SVOC
71130-SBLK181	1,3-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	1,4-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	119			PERCENT	6/30/97	SVOC
71130-SBLK181	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,4-DICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,4-DINITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	2,4-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2,6-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2-CHLORONAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2-CHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2-CHLOROPHENOL-D4	LAB QC SAMPLES	82			PERCENT	6/30/97	SVOC
71130-SBLK181	2-FLUOROBIPHENYL	LAB QC SAMPLES	84			PERCENT	6/30/97	SVOC
71130-SBLK181	2-FLUOROPHENOL	LAB QC SAMPLES	67			PERCENT	6/30/97	SVOC
71130-SBLK181	2-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	2-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	2-NITROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
71130-SBLK181	3-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
71130-SBLK181	4-CHLOROANILINE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	4-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	4-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	4-NITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	ACENAPHTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	ACENAPHTHYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BENZO(A)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BENZO(A)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BENZOIC ACID	LAB QC SAMPLES	50	U	50	UG/L	6/30/97	SVOC
71130-SBLK181	BENZYL ALCOHOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	72		10	UG/L	6/30/97	SVOC
71130-SBLK181	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	CARBAZOLE	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
71130-SBLK181	CHRYSENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	DIBENZOFURAN	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	DIETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	DIMETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	FLUORENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	HEXACHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	HEXACHLOROBUTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	HEXACHLOROETHANE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	ISOPHORONE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC

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71130-SBLK181	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	NAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	NITROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	NITROBENZENE-D5	LAB QC SAMPLES	96			PERCENT	6/30/97	SVOC
71130-SBLK181	PENTACHLOROPHENOL	LAB QC SAMPLES	30	U	30	UG/L	6/30/97	SVOC
71130-SBLK181	PHENANTHRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	PHENOL	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	PHENOL-D6	LAB QC SAMPLES	87			PERCENT	6/30/97	SVOC
71130-SBLK181	PYRENE	LAB QC SAMPLES	10	U	10	UG/L	6/30/97	SVOC
71130-SBLK181	TERPHENYL-D14	LAB QC SAMPLES	103			PERCENT	6/30/97	SVOC
71130-SBLK181MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	83			PERCENT	6/30/97	SVOC
71130-SBLK181MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	34		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	108			PERCENT	6/30/97	SVOC
71130-SBLK181MS	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,4-DICHLOROPHENOL	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	33		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,4-DINITROPHENOL	LAB QC SAMPLES	70		50	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,4-DINITROTOLUENE	LAB QC SAMPLES	53		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2,6-DINITROTOLUENE	LAB QC SAMPLES	57		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2-CHLORONAPHTHALENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2-CHLOROPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2-CHLOROPHENOL-D4	LAB QC SAMPLES	83			PERCENT	6/30/97	SVOC
71130-SBLK181MS	2-FLUOROBIPHENYL	LAB QC SAMPLES	90			PERCENT	6/30/97	SVOC
71130-SBLK181MS	2-FLUOROPHENOL	LAB QC SAMPLES	68			PERCENT	6/30/97	SVOC
71130-SBLK181MS	2-METHYLNAPHTHALENE	LAB QC SAMPLES	46		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2-METHYLPHENOL	LAB QC SAMPLES	37		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	2-NITROANILINE	LAB QC SAMPLES	36	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MS	2-NITROPHENOL	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	6/30/97	SVOC
71130-SBLK181MS	3-NITROANILINE	LAB QC SAMPLES	7	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MS	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	57		50	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	55		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	45		20	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-CHLOROANILINE	LAB QC SAMPLES	4	J	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	46		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-METHYLPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-NITROANILINE	LAB QC SAMPLES	16	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MS	4-NITROPHENOL	LAB QC SAMPLES	45	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MS	ACENAPHTHENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	ACENAPHTHYLENE	LAB QC SAMPLES	47		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	ANTHRACENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZO(A)ANTHRACENE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZO(A)PYRENE	LAB QC SAMPLES	85	E	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	99	E	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	98	E	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	90	E	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZOIC ACID	LAB QC SAMPLES	130	E	50	UG/L	6/30/97	SVOC
71130-SBLK181MS	BENZYL ALCOHOL	LAB QC SAMPLES	41		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	43		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	29		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	430	EB	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	53		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	CARBAZOLE	LAB QC SAMPLES	35		20	UG/L	6/30/97	SVOC
71130-SBLK181MS	CHRYSENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	82	E	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	94	E	10	UG/L	6/30/97	SVOC
71130-SBLK181MS	DIBENZOFURAN	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	DIETHYLPHTHALATE	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	DIMETHYLPHTHALATE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	FLUORANTHENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	FLUORENE	LAB QC SAMPLES	47		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	HEXACHLOROBENZENE	LAB QC SAMPLES	55		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	HEXACHLOROETHANE	LAB QC SAMPLES	40		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	100	E	10	UG/L	6/30/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
71130-SBLK181MS	ISOPHORONE	LAB QC SAMPLES	43		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	16		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	NAPHTHALENE	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	NITROBENZENE	LAB QC SAMPLES	46		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	NITROBENZENE-D5	LAB QC SAMPLES	95			PERCENT	6/30/97	SVOC
71130-SBLK181MS	PENTACHLOROPHENOL	LAB QC SAMPLES	57		30	UG/L	6/30/97	SVOC
71130-SBLK181MS	PHENANTHRENE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	PHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	PHENOL-D6	LAB QC SAMPLES	84			PERCENT	6/30/97	SVOC
71130-SBLK181MS	PYRENE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MS	TERPHENYL-D14	LAB QC SAMPLES	109			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	1,2-DICHLOROBENZENE	LAB QC SAMPLES	41		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	81			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	1,3-DICHLOROBENZENE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	1,4-DICHLOROBENZENE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	36		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	114			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,4-DICHLOROPHENOL	LAB QC SAMPLES	57		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	13		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,4-DINITROPHENOL	LAB QC SAMPLES	71		50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,4-DINITROTOLUENE	LAB QC SAMPLES	55		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2,6-DINITROTOLUENE	LAB QC SAMPLES	62		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2-CHLORONAPHTHALENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2-CHLOROPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2-CHLOROPHENOL-D4	LAB QC SAMPLES	85			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	2-FLUOROBIPHENYL	LAB QC SAMPLES	91			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	2-FLUOROPHENOL	LAB QC SAMPLES	71			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	2-METHYLNAPHTHALENE	LAB QC SAMPLES	47		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2-METHYLPHENOL	LAB QC SAMPLES	36		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2-NITROANILINE	LAB QC SAMPLES	43	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	2-NITROPHENOL	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	8	J	20	UG/L	6/30/97	SVOC
71130-SBLK181MSD	3-NITROANILINE	LAB QC SAMPLES	32	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	59		50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	59		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	48		20	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-CHLOROANILINE	LAB QC SAMPLES	8	J	10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-METHYLPHENOL	LAB QC SAMPLES	38		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-NITROANILINE	LAB QC SAMPLES	42	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	4-NITROPHENOL	LAB QC SAMPLES	47	J	50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	ACENAPHTHENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	ACENAPHTHYLENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	ANTHRACENE	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZO(A)ANTHRACENE	LAB QC SAMPLES	60		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZO(A)PYRENE	LAB QC SAMPLES	66		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	74		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	77		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	68		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZOIC ACID	LAB QC SAMPLES	71		50	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BENZYL ALCOHOL	LAB QC SAMPLES	48		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	45		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	30		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	300	EB	10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	57		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	CARBAZOLE	LAB QC SAMPLES	49		20	UG/L	6/30/97	SVOC
71130-SBLK181MSD	CHRYSENE	LAB QC SAMPLES	56		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	51		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	62		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	71		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	DIBENZOFURAN	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	DIETHYLPHTHALATE	LAB QC SAMPLES	53		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	DIMETHYLPHTHALATE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	FLUORANTHENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	FLUORENE	LAB QC SAMPLES	50		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	HEXACHLOROBENZENE	LAB QC SAMPLES	58		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	HEXACHLOROBUTADIENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	19		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	HEXACHLOROETHANE	LAB QC SAMPLES	40		10	UG/L	6/30/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
71130-SBLK181MSD	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	80		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	ISOPHORONE	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	44		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	NAPHTHALENE	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	NITROBENZENE	LAB QC SAMPLES	49		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	NITROBENZENE-D5	LAB QC SAMPLES	99			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	PENTACHLOROPHENOL	LAB QC SAMPLES	60		30	UG/L	6/30/97	SVOC
71130-SBLK181MSD	PHENANTHRENE	LAB QC SAMPLES	52		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	PHENOL	LAB QC SAMPLES	42		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	PHENOL-D6	LAB QC SAMPLES	90			PERCENT	6/30/97	SVOC
71130-SBLK181MSD	PYRENE	LAB QC SAMPLES	54		10	UG/L	6/30/97	SVOC
71130-SBLK181MSD	TERPHENYL-D14	LAB QC SAMPLES	117			PERCENT	6/30/97	SVOC
71130-VBLK189	1,1,1,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2,3-TRICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2,3-TRICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2,4-TRIMETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2-DIBROMO-3-CHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2-DIBROMOETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
71130-VBLK189	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,3,5-TRIMETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,3-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,3-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1,4-DICHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	1-CHLOROHEXANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	2,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	2-CHLOROTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/8/97	VOC
71130-VBLK189	4-CHLOROTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	BROMOBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	BROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	110			PERCENT	7/8/97	VOC
71130-VBLK189	DIBROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	DICHLORODIFLUOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	HEXACHLOROBUTADIENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	ISOPROPYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189	N-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	N-PROPYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	NAPHTHALENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	P-ISOPROPYLTOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	SEC-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	TERT-BUTYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/8/97	VOC
71130-VBLK189	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
71130-VBLK189	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	TRICHLOROFLUOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	VINYL ACETATE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1,1,2-TETRACHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2,3-TRICHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2,3-TRICHLOROPROPANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2,4-TRIMETHYLBENZENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2-DIBROMO-3-CHLOROPROPANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2-DIBROMOETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
71130-VBLK189MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,3,5-TRIMETHYLBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,3-DICHLOROPROPANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	1-CHLOROHEXANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	2,2-DICHLOROPROPANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	2-CHLOROTOLUENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
71130-VBLK189MS	4-CHLOROTOLUENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	BROMOBENZENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	BROMOCHLOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	BROMOMETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CHLOROETHANE	LAB QC SAMPLES	6.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CHLOROFORM	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CHLOROMETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	106			PERCENT	7/8/97	VOC
71130-VBLK189MS	DIBROMOMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	DICHLORODIFLUOROMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	ETHYLBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	ISOPROPYLBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	M&P-XYLENE	LAB QC SAMPLES	9.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	METHYLENE CHLORIDE	LAB QC SAMPLES	5.4	B	1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	N-BUTYLBENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	N-PROPYLBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	NAPHTHALENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	O-XYLENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	P-ISOPROPYLTOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	SEC-BUTYLBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	STYRENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TERT-BUTYLBENZENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
71130-VBLK189MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TRICHLOROETHENE	LAB QC SAMPLES	4.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	TRICHLOROFLUOROMETHANE	LAB QC SAMPLES	7.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	VINYL ACETATE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	VINYL CHLORIDE	LAB QC SAMPLES	7.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,1,1,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
71130-VBLK189MSD	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,1-DICHLOROETHANE	LAB QC SAMPLES	6.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2,3-TRICHLOROBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2,3-TRICHLOROPROPANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2,4-TRIMETHYLBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2-DIBROMO-3-CHLOROPROPANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2-DIBROMOETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2-DICHLOROBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2-DICHLOROETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	120			PERCENT	7/8/97	VOC
71130-VBLK189MSD	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,3,5-TRIMETHYLBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,3-DICHLOROBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,3-DICHLOROPROPANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1,4-DICHLOROBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	1-CHLOROHEXANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	2,2-DICHLOROPROPANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	2-CHLOROTOLUENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
71130-VBLK189MSD	4-CHLOROTOLUENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	BENZENE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	BROMOBENZENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	BROMOCHLOROMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	BROMOFORM	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	BROMOMETHANE	LAB QC SAMPLES	8.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CHLOROBENZENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CHLOROETHANE	LAB QC SAMPLES	7.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CHLOROFORM	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CHLOROMETHANE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	DIBROMOFLUOROMETHANE (S)	LAB QC SAMPLES	112			PERCENT	7/8/97	VOC
71130-VBLK189MSD	DIBROMOMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	DICHLORODIFLUOROMETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	ETHYLBENZENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	HEXACHLOROBUTADIENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	ISOPROPYLBENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	M&P-XYLENE	LAB QC SAMPLES	10		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	METHYLENE CHLORIDE	LAB QC SAMPLES	6.0	B	1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	N-BUTYLBENZENE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	N-PROPYLBENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	NAPHTHALENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	O-XYLENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	P-ISOPROPYLTOLUENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	SEC-BUTYLBENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	STYRENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TERT-BUTYLBENZENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TETRACHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TOLUENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
71130-VBLK189MSD	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TRICHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	TRICHLOROFLUOROMETHANE	LAB QC SAMPLES	8.5		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	VINYL ACETATE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	VINYL CHLORIDE	LAB QC SAMPLES	8.1		1.0	UG/L	7/8/97	VOC
71130-VBLK189MSD	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
76279-10183416	TOTAL ORGANIC CARBON	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/10/97	GENCHEM
76279-10183432	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.390		1.0	MG/L	7/10/97	GENCHEM
76279-10183440	TOTAL ORGANIC CARBON	LAB QC SAMPLES	5.500		1.0	MG/L	7/10/97	GENCHEM
76279-10198182	CHLORIDE (AS CL)	LAB QC SAMPLES	0.5	U	0.5	MG/L	7/8/97	GENCHEM
76279-10198182	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	0.1	U	0.1	MG/L	7/8/97	GENCHEM
76279-10198182	NITROGEN, NITRITE	LAB QC SAMPLES	0.1	U	0.1	MG/L	7/8/97	GENCHEM
76279-10198182	SULFATE (AS SO4)	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/8/97	GENCHEM
76279-10198190	CHLORIDE (AS CL)	LAB QC SAMPLES	5.100		0.5	MG/L	7/10/97	GENCHEM

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
76279-10198190	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.800		0.1	MG/L	7/10/97	GENCHEM
76279-10198190	NITROGEN, NITRITE	LAB QC SAMPLES	4.800		0.1	MG/L	7/10/97	GENCHEM
76279-10198190	SULFATE (AS SO4)	LAB QC SAMPLES	5.000		1.0	MG/L	7/10/97	GENCHEM
76279-10198208	CHLORIDE (AS CL)	LAB QC SAMPLES	4.920		0.5	MG/L	7/10/97	GENCHEM
76279-10198208	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.780		0.1	MG/L	7/10/97	GENCHEM
76279-10198208	NITROGEN, NITRITE	LAB QC SAMPLES	4.800		0.1	MG/L	7/10/97	GENCHEM
76279-10198208	SULFATE (AS SO4)	LAB QC SAMPLES	4.790		1.0	MG/L	7/10/97	GENCHEM
76279-LCS1	ALUMINUM	LAB QC SAMPLES	993		25	UG/L	7/14/97	METALS
76279-LCS1	ALUMINUM-D	LAB QC SAMPLES	996		25	UG/L	7/14/97	METALS
76279-LCS1	ANTIMONY	LAB QC SAMPLES	869		40	UG/L	7/14/97	METALS
76279-LCS1	ANTIMONY-D	LAB QC SAMPLES	928		40	UG/L	7/14/97	METALS
76279-LCS1	ARSENIC	LAB QC SAMPLES	1022		5.0	UG/L	7/22/97	METALS
76279-LCS1	ARSENIC-D	LAB QC SAMPLES	996		5.0	UG/L	7/22/97	METALS
76279-LCS1	BARIUM	LAB QC SAMPLES	933		5.0	UG/L	7/14/97	METALS
76279-LCS1	BARIUM-D	LAB QC SAMPLES	921		5.0	UG/L	7/14/97	METALS
76279-LCS1	BERYLLIUM	LAB QC SAMPLES	979		2.0	UG/L	7/14/97	METALS
76279-LCS1	BERYLLIUM-D	LAB QC SAMPLES	958		2.0	UG/L	7/14/97	METALS
76279-LCS1	CADMIUM	LAB QC SAMPLES	959		5.0	UG/L	7/14/97	METALS
76279-LCS1	CADMIUM-D	LAB QC SAMPLES	951		5.0	UG/L	7/14/97	METALS
76279-LCS1	CALCIUM	LAB QC SAMPLES	49000		38	UG/L	7/14/97	METALS
76279-LCS1	CALCIUM-D	LAB QC SAMPLES	47900		38	UG/L	7/14/97	METALS
76279-LCS1	CHROMIUM	LAB QC SAMPLES	950		5.0	UG/L	7/14/97	METALS
76279-LCS1	CHROMIUM-D	LAB QC SAMPLES	930		5.0	UG/L	7/14/97	METALS
76279-LCS1	COBALT	LAB QC SAMPLES	947		10	UG/L	7/14/97	METALS
76279-LCS1	COBALT-D	LAB QC SAMPLES	929		10	UG/L	7/14/97	METALS
76279-LCS1	COPPER	LAB QC SAMPLES	958		3.0	UG/L	7/14/97	METALS
76279-LCS1	COPPER-D	LAB QC SAMPLES	946		3.0	UG/L	7/14/97	METALS
76279-LCS1	IRON	LAB QC SAMPLES	995		25	UG/L	7/14/97	METALS
76279-LCS1	IRON-D	LAB QC SAMPLES	992		25	UG/L	7/14/97	METALS
76279-LCS1	LEAD	LAB QC SAMPLES	995		2.0	UG/L	7/22/97	METALS
76279-LCS1	LEAD-D	LAB QC SAMPLES	1002		2.0	UG/L	7/22/97	METALS
76279-LCS1	MAGNESIUM	LAB QC SAMPLES	49100		32	UG/L	7/14/97	METALS
76279-LCS1	MAGNESIUM-D	LAB QC SAMPLES	48200		32	UG/L	7/14/97	METALS
76279-LCS1	MANGANESE	LAB QC SAMPLES	967		2.0	UG/L	7/14/97	METALS
76279-LCS1	MANGANESE-D	LAB QC SAMPLES	950		2.0	UG/L	7/14/97	METALS
76279-LCS1	NICKEL	LAB QC SAMPLES	956		20	UG/L	7/14/97	METALS
76279-LCS1	NICKEL-D	LAB QC SAMPLES	935		20	UG/L	7/14/97	METALS
76279-LCS1	POTASSIUM	LAB QC SAMPLES	48200		600	UG/L	7/14/97	METALS
76279-LCS1	POTASSIUM-D	LAB QC SAMPLES	48000		600	UG/L	7/14/97	METALS
76279-LCS1	SELENIUM	LAB QC SAMPLES	1066		5.0	UG/L	7/22/97	METALS
76279-LCS1	SELENIUM-D	LAB QC SAMPLES	1021		5.0	UG/L	7/22/97	METALS
76279-LCS1	SILVER	LAB QC SAMPLES	954		5.0	UG/L	7/14/97	METALS
76279-LCS1	SILVER-D	LAB QC SAMPLES	940		5.0	UG/L	7/14/97	METALS
76279-LCS1	SODIUM	LAB QC SAMPLES	49300		29	UG/L	7/14/97	METALS
76279-LCS1	SODIUM-D	LAB QC SAMPLES	49000		29	UG/L	7/14/97	METALS
76279-LCS1	THALLIUM	LAB QC SAMPLES	926		5.0	UG/L	7/22/97	METALS
76279-LCS1	THALLIUM-D	LAB QC SAMPLES	949		5.0	UG/L	7/22/97	METALS
76279-LCS1	VANADIUM	LAB QC SAMPLES	950		5.0	UG/L	7/14/97	METALS
76279-LCS1	VANADIUM-D	LAB QC SAMPLES	939		5.0	UG/L	7/14/97	METALS
76279-LCS1	ZINC	LAB QC SAMPLES	959		4.0	UG/L	7/14/97	METALS
76279-LCS1	ZINC-D	LAB QC SAMPLES	972		4.0	UG/L	7/14/97	METALS
76279-LCS7	MERCURY	LAB QC SAMPLES	5.03		0.20	UG/L	7/9/97	METALS
76279-LCS7	MERCURY-D	LAB QC SAMPLES	5.52		0.20	UG/L	7/25/97	METALS
76279-MBLK184	FLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/3/97	GRO
76279-MBLK184	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/3/97	GRO
76279-MBLK184MS	FLUOROBENZENE (S)	LAB QC SAMPLES	132			PERCENT	7/3/97	GRO
76279-MBLK184MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	890		50	UG/L	7/3/97	GRO
76279-MBLK184MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	136			PERCENT	7/3/97	GRO
76279-MBLK184MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	930		50	UG/L	7/3/97	GRO
76279-MBLK187	FLUOROBENZENE (S)	LAB QC SAMPLES	97			PERCENT	7/6/97	GRO
76279-MBLK187	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/6/97	GRO
76279-MBLK187MS	FLUOROBENZENE (S)	LAB QC SAMPLES	130			PERCENT	7/6/97	GRO
76279-MBLK187MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	880		50	UG/L	7/6/97	GRO
76279-MBLK188	FLUOROBENZENE (S)	LAB QC SAMPLES	97			PERCENT	7/7/97	GRO
76279-MBLK188	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/7/97	GRO
76279-MBLK188MS	FLUOROBENZENE (S)	LAB QC SAMPLES	137			PERCENT	7/7/97	GRO
76279-MBLK188MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	1000		50	UG/L	7/7/97	GRO
76279-MBLK188MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	134			PERCENT	7/7/97	GRO
76279-MBLK188MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	850		50	UG/L	7/7/97	GRO
76279-PB1MB	ALUMINUM	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
76279-PB1MB	ALUMINUM-D	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
76279-PB1MB	ANTIMONY	LAB QC SAMPLES	40	U	40	UG/L	7/14/97	METALS
76279-PB1MB	ANTIMONY-D	LAB QC SAMPLES	40	U	40	UG/L	7/14/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
76279-PB1MB	ARSENIC	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
76279-PB1MB	ARSENIC-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
76279-PB1MB	BARIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	BARIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	BERYLLIUM	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
76279-PB1MB	BERYLLIUM-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
76279-PB1MB	CADMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	CADMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	CALCIUM	LAB QC SAMPLES	38	U	38	UG/L	7/14/97	METALS
76279-PB1MB	CALCIUM-D	LAB QC SAMPLES	38	U	38	UG/L	7/14/97	METALS
76279-PB1MB	CHROMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	CHROMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	COBALT	LAB QC SAMPLES	10	U	10	UG/L	7/14/97	METALS
76279-PB1MB	COBALT-D	LAB QC SAMPLES	10	U	10	UG/L	7/14/97	METALS
76279-PB1MB	COPPER	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/14/97	METALS
76279-PB1MB	COPPER-D	LAB QC SAMPLES	3.0	U	3.0	UG/L	7/14/97	METALS
76279-PB1MB	IRON	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
76279-PB1MB	IRON-D	LAB QC SAMPLES	25	U	25	UG/L	7/14/97	METALS
76279-PB1MB	LEAD	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/22/97	METALS
76279-PB1MB	LEAD-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/22/97	METALS
76279-PB1MB	MAGNESIUM	LAB QC SAMPLES	32	U	32	UG/L	7/14/97	METALS
76279-PB1MB	MAGNESIUM-D	LAB QC SAMPLES	32	U	32	UG/L	7/14/97	METALS
76279-PB1MB	MANGANESE	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
76279-PB1MB	MANGANESE-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	7/14/97	METALS
76279-PB1MB	NICKEL	LAB QC SAMPLES	20	U	20	UG/L	7/14/97	METALS
76279-PB1MB	NICKEL-D	LAB QC SAMPLES	20	U	20	UG/L	7/14/97	METALS
76279-PB1MB	POTASSIUM	LAB QC SAMPLES	600	U	600	UG/L	7/14/97	METALS
76279-PB1MB	POTASSIUM-D	LAB QC SAMPLES	600	U	600	UG/L	7/14/97	METALS
76279-PB1MB	SELENIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
76279-PB1MB	SELENIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
76279-PB1MB	SILVER	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	SILVER-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	SODIUM	LAB QC SAMPLES	29	U	29	UG/L	7/14/97	METALS
76279-PB1MB	SODIUM-D	LAB QC SAMPLES	29	U	29	UG/L	7/14/97	METALS
76279-PB1MB	THALLIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
76279-PB1MB	THALLIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/22/97	METALS
76279-PB1MB	VANADIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	VANADIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	7/14/97	METALS
76279-PB1MB	ZINC	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/14/97	METALS
76279-PB1MB	ZINC-D	LAB QC SAMPLES	4.0	U	4.0	UG/L	7/14/97	METALS
76279-PB7MB	MERCURY	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/9/97	METALS
76279-PB7MB	MERCURY-D	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/25/97	METALS
76279-SBLK183	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	1,2-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	95			PERCENT	7/2/97	SVOC
76279-SBLK183	1,3-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	1,4-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	124			PERCENT	7/2/97	SVOC
76279-SBLK183	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,4-DICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,4-DINITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	2,4-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2,6-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2-CHLORONAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2-CHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2-CHLOROPHENOL-D4	LAB QC SAMPLES	89			PERCENT	7/2/97	SVOC
76279-SBLK183	2-FLUOROBIPHENYL	LAB QC SAMPLES	91			PERCENT	7/2/97	SVOC
76279-SBLK183	2-FLUOROPHENOL	LAB QC SAMPLES	67			PERCENT	7/2/97	SVOC
76279-SBLK183	2-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	2-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	2-NITROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	7/2/97	SVOC
76279-SBLK183	3-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	20	U	20	UG/L	7/2/97	SVOC
76279-SBLK183	4-CHLOROANILINE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	4-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

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76279-SBLK183	4-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	4-NITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	ACENAPHTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	ACENAPHTHYLENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BENZO(A)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BENZO(A)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BENZOIC ACID	LAB QC SAMPLES	50	U	50	UG/L	7/2/97	SVOC
76279-SBLK183	BENZYL ALCOHOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	3	J	10	UG/L	7/2/97	SVOC
76279-SBLK183	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	CARBAZOLE	LAB QC SAMPLES	20	U	20	UG/L	7/2/97	SVOC
76279-SBLK183	CHRYSENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	DIBENZOFURAN	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	DIETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	DIMETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	FLUORENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	HEXACHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	HEXACHLOROBUTADIENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	HEXACHLOROETHANE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	ISOPHORONE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	NAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	NITROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	NITROBENZENE-D5	LAB QC SAMPLES	100			PERCENT	7/2/97	SVOC
76279-SBLK183	PENTACHLOROPHENOL	LAB QC SAMPLES	30	U	30	UG/L	7/2/97	SVOC
76279-SBLK183	PHENANTHRENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	PHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	PHENOL-D6	LAB QC SAMPLES	85			PERCENT	7/2/97	SVOC
76279-SBLK183	PYRENE	LAB QC SAMPLES	10	U	10	UG/L	7/2/97	SVOC
76279-SBLK183	TERPHENYL-D14	LAB QC SAMPLES	118			PERCENT	7/2/97	SVOC
76279-SBLK183MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	50		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	47		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	90			PERCENT	7/2/97	SVOC
76279-SBLK183MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	46		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	47		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	36		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	54		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	117			PERCENT	7/2/97	SVOC
76279-SBLK183MS	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	53		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,4-DICHLOROPHENOL	LAB QC SAMPLES	53		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	9	J	10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,4-DINITROPHENOL	LAB QC SAMPLES	76		50	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,4-DINITROTOLUENE	LAB QC SAMPLES	59		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2,6-DINITROTOLUENE	LAB QC SAMPLES	66		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2-CHLORONAPHTHALENE	LAB QC SAMPLES	52		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2-CHLOROPHENOL	LAB QC SAMPLES	41		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2-CHLOROPHENOL-D4	LAB QC SAMPLES	91			PERCENT	7/2/97	SVOC
76279-SBLK183MS	2-FLUOROBIPHENYL	LAB QC SAMPLES	97			PERCENT	7/2/97	SVOC
76279-SBLK183MS	2-FLUOROPHENOL	LAB QC SAMPLES	68			PERCENT	7/2/97	SVOC
76279-SBLK183MS	2-METHYLNAPHTHALENE	LAB QC SAMPLES	48		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2-METHYLPHENOL	LAB QC SAMPLES	34		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	2-NITROANILINE	LAB QC SAMPLES	46	J	50	UG/L	7/2/97	SVOC
76279-SBLK183MS	2-NITROPHENOL	LAB QC SAMPLES	52		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	6	J	20	UG/L	7/2/97	SVOC
76279-SBLK183MS	3-NITROANILINE	LAB QC SAMPLES	43	J	50	UG/L	7/2/97	SVOC
76279-SBLK183MS	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	62		50	UG/L	7/2/97	SVOC
76279-SBLK183MS	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	62		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	47		20	UG/L	7/2/97	SVOC
76279-SBLK183MS	4-CHLOROANILINE	LAB QC SAMPLES	8	J	10	UG/L	7/2/97	SVOC
76279-SBLK183MS	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	53		10	UG/L	7/2/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
76279-SBLK183MS	4-METHYLPHENOL	LAB QC SAMPLES	35		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	4-NITROANILINE	LAB QC SAMPLES	51		50	UG/L	7/2/97	SVOC
76279-SBLK183MS	4-NITROPHENOL	LAB QC SAMPLES	59		50	UG/L	7/2/97	SVOC
76279-SBLK183MS	ACENAPHTHENE	LAB QC SAMPLES	54		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	ACENAPHTHYLENE	LAB QC SAMPLES	52		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	ANTHRACENE	LAB QC SAMPLES	50		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZO(A)ANTHRACENE	LAB QC SAMPLES	62		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZO(A)PYRENE	LAB QC SAMPLES	69		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	79		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	87	E	10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	72		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZOIC ACID	LAB QC SAMPLES	150	E	50	UG/L	7/2/97	SVOC
76279-SBLK183MS	BENZYL ALCOHOL	LAB QC SAMPLES	53		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	46		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	30		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	62	B	10	UG/L	7/2/97	SVOC
76279-SBLK183MS	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	58		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	CARBAZOLE	LAB QC SAMPLES	53		20	UG/L	7/2/97	SVOC
76279-SBLK183MS	CHRYSENE	LAB QC SAMPLES	60		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	53		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	66		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	78		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	DIBENZOFURAN	LAB QC SAMPLES	52		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	DIETHYLPHTHALATE	LAB QC SAMPLES	57		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	DIMETHYLPHTHALATE	LAB QC SAMPLES	58		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	FLUORANTHENE	LAB QC SAMPLES	53		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	FLUORENE	LAB QC SAMPLES	55		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	HEXACHLOROBENZENE	LAB QC SAMPLES	60		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	51		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	25		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	HEXACHLOROETHANE	LAB QC SAMPLES	43		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	89	E	10	UG/L	7/2/97	SVOC
76279-SBLK183MS	ISOPHORONE	LAB QC SAMPLES	44		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	43		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	38		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	NAPHTHALENE	LAB QC SAMPLES	44		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	NITROBENZENE	LAB QC SAMPLES	49		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	NITROBENZENE-D5	LAB QC SAMPLES	98			PERCENT	7/2/97	SVOC
76279-SBLK183MS	PENTACHLOROPHENOL	LAB QC SAMPLES	66		30	UG/L	7/2/97	SVOC
76279-SBLK183MS	PHENANTHRENE	LAB QC SAMPLES	54		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	PHENOL	LAB QC SAMPLES	39		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	PHENOL-D6	LAB QC SAMPLES	89			PERCENT	7/2/97	SVOC
76279-SBLK183MS	PYRENE	LAB QC SAMPLES	56		10	UG/L	7/2/97	SVOC
76279-SBLK183MS	TERPHENYL-D14	LAB QC SAMPLES	124			PERCENT	7/2/97	SVOC
76279-VBLK189	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	128			PERCENT	7/8/97	VOC
76279-VBLK189	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	2-HEXANONE	LAB QC SAMPLES	3.1		1.0	UG/L	7/8/97	VOC
76279-VBLK189	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/8/97	VOC
76279-VBLK189	4-METHYL-2-PENTANONE	LAB QC SAMPLES	3.1		1.0	UG/L	7/8/97	VOC
76279-VBLK189	ACETONE	LAB QC SAMPLES	6.3		1.0	UG/L	7/8/97	VOC
76279-VBLK189	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
76279-VBLK189	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
76279-VBLK189	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	118			PERCENT	7/8/97	VOC
76279-VBLK189MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	2-BUTANONE	LAB QC SAMPLES	26	E	1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	2-HEXANONE	LAB QC SAMPLES	25		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/8/97	VOC
76279-VBLK189MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	24		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	ACETONE	LAB QC SAMPLES	18	B	1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	BROMOFORM	LAB QC SAMPLES	4.2		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	BROMOMETHANE	LAB QC SAMPLES	7.7		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CARBON DISULFIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CHLOROETHANE	LAB QC SAMPLES	7.5		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CHLOROFORM	LAB QC SAMPLES	5.1		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CHLOROMETHANE	LAB QC SAMPLES	5.7		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.3		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	ETHYLBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	M&P-XYLENE	LAB QC SAMPLES	9.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	METHYLENE CHLORIDE	LAB QC SAMPLES	5.5		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	O-XYLENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	STYRENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/8/97	VOC
76279-VBLK189MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	TRICHLOROETHENE	LAB QC SAMPLES	4.3		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	VINYL CHLORIDE	LAB QC SAMPLES	8.0		1.0	UG/L	7/8/97	VOC
76279-VBLK189MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/8/97	VOC
76279-VBLK190	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	122			PERCENT	7/9/97	VOC
76279-VBLK190	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/9/97	VOC
76279-VBLK190	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	ACETONE	LAB QC SAMPLES	3.9		1.0	UG/L	7/9/97	VOC
76279-VBLK190	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
76279-VBLK190	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/9/97	VOC
76279-VBLK190	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	6.1		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	124			PERCENT	7/9/97	VOC
76279-VBLK190MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	2-BUTANONE	LAB QC SAMPLES	29		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	2-HEXANONE	LAB QC SAMPLES	27		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	100			PERCENT	7/9/97	VOC
76279-VBLK190MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	26		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	ACETONE	LAB QC SAMPLES	23	B	1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	BENZENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	BROMOFORM	LAB QC SAMPLES	4.6		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	BROMOMETHANE	LAB QC SAMPLES	7.0		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CARBON DISULFIDE	LAB QC SAMPLES	4.3		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.0		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CHLOROBENZENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CHLOROETHANE	LAB QC SAMPLES	6.7		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CHLOROFORM	LAB QC SAMPLES	5.4		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CHLOROMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	ETHYLBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	M&P-XYLENE	LAB QC SAMPLES	9.6		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.9		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	O-XYLENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	STYRENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.3		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	TOLUENE	LAB QC SAMPLES	4.7		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/9/97	VOC
76279-VBLK190MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	TRICHLOROETHENE	LAB QC SAMPLES	4.2		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	VINYL CHLORIDE	LAB QC SAMPLES	6.8		1.0	UG/L	7/9/97	VOC
76279-VBLK190MS	XYLENE (TOTAL)	LAB QC SAMPLES	14		1.0	UG/L	7/9/97	VOC
76279-VBLK200	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	98			PERCENT	7/20/97	VOC
76279-VBLK200	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/20/97	VOC
76279-VBLK200	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	ACETONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
76279-VBLK200	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	TOLUENE-D8 (S)	LAB QC SAMPLES	104			PERCENT	7/20/97	VOC
76279-VBLK200	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/20/97	VOC
76279-VBLK200MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	100			PERCENT	7/19/97	VOC
76279-VBLK200MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.8		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	2-BUTANONE	LAB QC SAMPLES	25		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	2-HEXANONE	LAB QC SAMPLES	26		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/19/97	VOC
76279-VBLK200MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	25		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	ACETONE	LAB QC SAMPLES	20		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	BENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	BROMOFORM	LAB QC SAMPLES	5.4		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	BROMOMETHANE	LAB QC SAMPLES	5.3		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CARBON DISULFIDE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CHLOROBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CHLOROFORM	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CHLOROMETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	ETHYLBENZENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	M&P-XYLENE	LAB QC SAMPLES	10		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.5		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	O-XYLENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	STYRENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	TOLUENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	TOLUENE-D8 (S)	LAB QC SAMPLES	96			PERCENT	7/19/97	VOC
76279-VBLK200MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	TRICHLOROETHENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	VINYL CHLORIDE	LAB QC SAMPLES	4.8		1.0	UG/L	7/19/97	VOC
76279-VBLK200MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/19/97	VOC
92854-10198323MB	CHLORIDE (AS CL)	LAB QC SAMPLES	0.5	U	0.5	MG/L	7/17/97	GENCHEM
92854-10198323MB	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	0.1	U	0.1	MG/L	7/17/97	GENCHEM
92854-10198323MB	NITROGEN, NITRITE	LAB QC SAMPLES	0.1	U	0.1	MG/L	7/17/97	GENCHEM
92854-10198323MB	SULFATE (AS SO4)	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/17/97	GENCHEM
92854-10198331	CHLORIDE (AS CL)	LAB QC SAMPLES	4.910		0.5	MG/L	7/17/97	GENCHEM
92854-10198331	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	5.000		0.1	MG/L	7/17/97	GENCHEM
92854-10198331	NITROGEN, NITRITE	LAB QC SAMPLES	5.000		0.1	MG/L	7/17/97	GENCHEM
92854-10198331	SULFATE (AS SO4)	LAB QC SAMPLES	4.960		1.0	MG/L	7/17/97	GENCHEM

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-10198349	CHLORIDE (AS CL)	LAB QC SAMPLES	4.920		0.5	MG/L	7/17/97	GENCHEM
92854-10198349	NITROGEN, NITRATE (AS N)	LAB QC SAMPLES	4.870		0.1	MG/L	7/17/97	GENCHEM
92854-10198349	NITROGEN, NITRITE	LAB QC SAMPLES	4.840		0.1	MG/L	7/17/97	GENCHEM
92854-10198349	SULFATE (AS SO4)	LAB QC SAMPLES	4.850		1.0	MG/L	7/17/97	GENCHEM
92854-10201606MB	ALKALINITY, TOTAL (AS CaCO3)	LAB QC SAMPLES	8		5.0	MG/L	7/21/97	GENCHEM
92854-10201622	ALKALINITY, TOTAL (AS CaCO3)	LAB QC SAMPLES	158.0		5.0	MG/L	7/21/97	GENCHEM
92854-10206944MB	TOTAL ORGANIC CARBON	LAB QC SAMPLES	1.0	U	1.0	MG/L	7/29/97	GENCHEM
92854-10206951	TOTAL ORGANIC CARBON	LAB QC SAMPLES	10.38		1.0	MG/L	7/29/97	GENCHEM
92854-10206969	TOTAL ORGANIC CARBON	LAB QC SAMPLES	10.19		1.0	MG/L	7/29/97	GENCHEM
92854-LCS1	ALUMINUM	LAB QC SAMPLES	1018		25	UG/L	8/1/97	METALS
92854-LCS1	ALUMINUM-D	LAB QC SAMPLES	1033		25	UG/L	8/1/97	METALS
92854-LCS1	ANTIMONY	LAB QC SAMPLES	897		40	UG/L	8/1/97	METALS
92854-LCS1	ANTIMONY-D	LAB QC SAMPLES	921		40	UG/L	8/1/97	METALS
92854-LCS1	ARSENIC	LAB QC SAMPLES	979		5.0	UG/L	9/2/97	METALS
92854-LCS1	ARSENIC-D	LAB QC SAMPLES	952		5.0	UG/L	9/2/97	METALS
92854-LCS1	BARIUM	LAB QC SAMPLES	955		5.0	UG/L	8/1/97	METALS
92854-LCS1	BARIUM-D	LAB QC SAMPLES	936		5.0	UG/L	8/1/97	METALS
92854-LCS1	BERYLLIUM	LAB QC SAMPLES	988		2.0	UG/L	8/1/97	METALS
92854-LCS1	BERYLLIUM-D	LAB QC SAMPLES	970		2.0	UG/L	8/1/97	METALS
92854-LCS1	CADMIUM	LAB QC SAMPLES	980		5.0	UG/L	8/1/97	METALS
92854-LCS1	CADMIUM-D	LAB QC SAMPLES	957		5.0	UG/L	8/1/97	METALS
92854-LCS1	CALCIUM	LAB QC SAMPLES	50310		38	UG/L	8/1/97	METALS
92854-LCS1	CALCIUM-D	LAB QC SAMPLES	50140		38	UG/L	8/1/97	METALS
92854-LCS1	CHROMIUM	LAB QC SAMPLES	972		5.0	UG/L	8/1/97	METALS
92854-LCS1	CHROMIUM-D	LAB QC SAMPLES	939		5.0	UG/L	8/1/97	METALS
92854-LCS1	COBALT	LAB QC SAMPLES	974		10	UG/L	8/1/97	METALS
92854-LCS1	COBALT-D	LAB QC SAMPLES	938		10	UG/L	8/1/97	METALS
92854-LCS1	COPPER	LAB QC SAMPLES	966		3.0	UG/L	8/1/97	METALS
92854-LCS1	COPPER-D	LAB QC SAMPLES	950		3.0	UG/L	8/1/97	METALS
92854-LCS1	IRON	LAB QC SAMPLES	1020		25	UG/L	8/1/97	METALS
92854-LCS1	IRON-D	LAB QC SAMPLES	1026		25	UG/L	8/1/97	METALS
92854-LCS1	LEAD	LAB QC SAMPLES	997		2.0	UG/L	9/2/97	METALS
92854-LCS1	LEAD-D	LAB QC SAMPLES	964		2.0	UG/L	9/2/97	METALS
92854-LCS1	MAGNESIUM	LAB QC SAMPLES	48300		32	UG/L	8/1/97	METALS
92854-LCS1	MAGNESIUM-D	LAB QC SAMPLES	48400		32	UG/L	8/1/97	METALS
92854-LCS1	MANGANESE	LAB QC SAMPLES	991		2.0	UG/L	8/1/97	METALS
92854-LCS1	MANGANESE-D	LAB QC SAMPLES	957		2.0	UG/L	8/1/97	METALS
92854-LCS1	NICKEL	LAB QC SAMPLES	1011		20	UG/L	8/1/97	METALS
92854-LCS1	NICKEL-D	LAB QC SAMPLES	968		20	UG/L	8/1/97	METALS
92854-LCS1	POTASSIUM	LAB QC SAMPLES	50820		600	UG/L	8/1/97	METALS
92854-LCS1	POTASSIUM-D	LAB QC SAMPLES	50540		600	UG/L	8/1/97	METALS
92854-LCS1	SELENIUM	LAB QC SAMPLES	982		5.0	UG/L	9/2/97	METALS
92854-LCS1	SELENIUM-D	LAB QC SAMPLES	957		5.0	UG/L	9/2/97	METALS
92854-LCS1	SILVER	LAB QC SAMPLES	664		5.0	UG/L	8/1/97	METALS
92854-LCS1	SILVER-D	LAB QC SAMPLES	911		5.0	UG/L	8/1/97	METALS
92854-LCS1	SODIUM	LAB QC SAMPLES	50180		29	UG/L	8/1/97	METALS
92854-LCS1	SODIUM-D	LAB QC SAMPLES	50450		29	UG/L	8/1/97	METALS
92854-LCS1	THALLIUM	LAB QC SAMPLES	998		5.0	UG/L	9/2/97	METALS
92854-LCS1	THALLIUM-D	LAB QC SAMPLES	936		5.0	UG/L	9/2/97	METALS
92854-LCS1	VANADIUM	LAB QC SAMPLES	966		5.0	UG/L	8/1/97	METALS
92854-LCS1	VANADIUM-D	LAB QC SAMPLES	946		5.0	UG/L	8/1/97	METALS
92854-LCS1	ZINC	LAB QC SAMPLES	1016		4.0	UG/L	8/1/97	METALS
92854-LCS1	ZINC-D	LAB QC SAMPLES	983		4.0	UG/L	8/1/97	METALS
92854-LCS7	MERCURY	LAB QC SAMPLES	5.261		0.20	UG/L	7/25/97	METALS
92854-LCS7	MERCURY-D	LAB QC SAMPLES	5.37		0.20	UG/L	7/25/97	METALS
92854-LCSD1	ALUMINUM	LAB QC SAMPLES	1031		25	UG/L	8/1/97	METALS
92854-LCSD1	ALUMINUM-D	LAB QC SAMPLES	1056		25	UG/L	8/1/97	METALS
92854-LCSD1	ANTIMONY	LAB QC SAMPLES	921		40	UG/L	8/1/97	METALS
92854-LCSD1	ANTIMONY-D	LAB QC SAMPLES	946		40	UG/L	8/1/97	METALS
92854-LCSD1	ARSENIC	LAB QC SAMPLES	993		5.0	UG/L	9/2/97	METALS
92854-LCSD1	ARSENIC-D	LAB QC SAMPLES	943		5.0	UG/L	9/2/97	METALS
92854-LCSD1	BARIUM	LAB QC SAMPLES	946		5.0	UG/L	8/1/97	METALS
92854-LCSD1	BARIUM-D	LAB QC SAMPLES	958		5.0	UG/L	8/1/97	METALS
92854-LCSD1	BERYLLIUM	LAB QC SAMPLES	982		2.0	UG/L	8/1/97	METALS
92854-LCSD1	BERYLLIUM-D	LAB QC SAMPLES	979		2.0	UG/L	8/1/97	METALS
92854-LCSD1	CADMIUM	LAB QC SAMPLES	961		5.0	UG/L	8/1/97	METALS
92854-LCSD1	CADMIUM-D	LAB QC SAMPLES	1002		5.0	UG/L	8/1/97	METALS
92854-LCSD1	CALCIUM	LAB QC SAMPLES	53370		38	UG/L	8/1/97	METALS
92854-LCSD1	CALCIUM-D	LAB QC SAMPLES	51000		38	UG/L	8/1/97	METALS
92854-LCSD1	CHROMIUM	LAB QC SAMPLES	958		5.0	UG/L	8/1/97	METALS
92854-LCSD1	CHROMIUM-D	LAB QC SAMPLES	967		5.0	UG/L	8/1/97	METALS
92854-LCSD1	COBALT	LAB QC SAMPLES	1125		10	UG/L	8/1/97	METALS
92854-LCSD1	COBALT-D	LAB QC SAMPLES	962		10	UG/L	8/1/97	METALS

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-LCSD1	COPPER	LAB QC SAMPLES	944		3.0	UG/L	8/1/97	METALS
92854-LCSD1	COPPER-D	LAB QC SAMPLES	966		3.0	UG/L	8/1/97	METALS
92854-LCSD1	IRON	LAB QC SAMPLES	1111		25	UG/L	8/1/97	METALS
92854-LCSD1	IRON-D	LAB QC SAMPLES	996		25	UG/L	8/1/97	METALS
92854-LCSD1	LEAD	LAB QC SAMPLES	1009		2.0	UG/L	9/2/97	METALS
92854-LCSD1	LEAD-D	LAB QC SAMPLES	951		2.0	UG/L	9/2/97	METALS
92854-LCSD1	MAGNESIUM	LAB QC SAMPLES	51100		32	UG/L	8/1/97	METALS
92854-LCSD1	MAGNESIUM-D	LAB QC SAMPLES	49200		32	UG/L	8/1/97	METALS
92854-LCSD1	MANGANESE	LAB QC SAMPLES	979		2.0	UG/L	8/1/97	METALS
92854-LCSD1	MANGANESE-D	LAB QC SAMPLES	983		2.0	UG/L	8/1/97	METALS
92854-LCSD1	NICKEL	LAB QC SAMPLES	985		20	UG/L	8/1/97	METALS
92854-LCSD1	NICKEL-D	LAB QC SAMPLES	1010		20	UG/L	8/1/97	METALS
92854-LCSD1	POTASSIUM	LAB QC SAMPLES	53660		600	UG/L	8/1/97	METALS
92854-LCSD1	POTASSIUM-D	LAB QC SAMPLES	52000		600	UG/L	8/1/97	METALS
92854-LCSD1	SELENIUM	LAB QC SAMPLES	985		5.0	UG/L	9/2/97	METALS
92854-LCSD1	SELENIUM-D	LAB QC SAMPLES	950		5.0	UG/L	9/2/97	METALS
92854-LCSD1	SILVER	LAB QC SAMPLES	931		5.0	UG/L	8/1/97	METALS
92854-LCSD1	SILVER-D	LAB QC SAMPLES	219		5.0	UG/L	8/1/97	METALS
92854-LCSD1	SODIUM	LAB QC SAMPLES	53030		29	UG/L	8/1/97	METALS
92854-LCSD1	SODIUM-D	LAB QC SAMPLES	50930		29	UG/L	8/1/97	METALS
92854-LCSD1	THALLIUM	LAB QC SAMPLES	1008		5.0	UG/L	9/2/97	METALS
92854-LCSD1	THALLIUM-D	LAB QC SAMPLES	927		5.0	UG/L	9/2/97	METALS
92854-LCSD1	VANADIUM	LAB QC SAMPLES	954		5.0	UG/L	8/1/97	METALS
92854-LCSD1	VANADIUM-D	LAB QC SAMPLES	971		5.0	UG/L	8/1/97	METALS
92854-LCSD1	ZINC	LAB QC SAMPLES	1010		4.0	UG/L	8/1/97	METALS
92854-LCSD1	ZINC-D	LAB QC SAMPLES	1015		4.0	UG/L	8/1/97	METALS
92854-MBLK198	FLUOROBENZENE (S)	LAB QC SAMPLES	98			PERCENT	7/17/97	GRO
92854-MBLK198	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/17/97	GRO
92854-MBLK198MS	FLUOROBENZENE (S)	LAB QC SAMPLES	132			PERCENT	7/17/97	GRO
92854-MBLK198MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	870		50	UG/L	7/17/97	GRO
92854-MBLK198MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	132			PERCENT	7/17/97	GRO
92854-MBLK198MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	870		50	UG/L	7/17/97	GRO
92854-MBLK199	FLUOROBENZENE (S)	LAB QC SAMPLES	96			PERCENT	7/18/97	GRO
92854-MBLK199	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	50	U	50	UG/L	7/18/97	GRO
92854-MBLK199MS	FLUOROBENZENE (S)	LAB QC SAMPLES	130			PERCENT	7/18/97	GRO
92854-MBLK199MS	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	870		50	UG/L	7/18/97	GRO
92854-MBLK199MSD	FLUOROBENZENE (S)	LAB QC SAMPLES	133			PERCENT	7/18/97	GRO
92854-MBLK199MSD	GASOLINE RANGE ORGANICS	LAB QC SAMPLES	920		50	UG/L	7/18/97	GRO
92854-PB1	ALUMINUM	LAB QC SAMPLES	72		25	UG/L	8/1/97	METALS
92854-PB1	ALUMINUM-D	LAB QC SAMPLES	25	U	25	UG/L	8/1/97	METALS
92854-PB1	ANTIMONY	LAB QC SAMPLES	41		40	UG/L	8/1/97	METALS
92854-PB1	ANTIMONY-D	LAB QC SAMPLES	95		40	UG/L	8/1/97	METALS
92854-PB1	ARSENIC	LAB QC SAMPLES	5.0	U	5.0	UG/L	9/2/97	METALS
92854-PB1	ARSENIC-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	9/2/97	METALS
92854-PB1	BARIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	BARIUM-D	LAB QC SAMPLES	32		5.0	UG/L	8/1/97	METALS
92854-PB1	BERYLLIUM	LAB QC SAMPLES	2.0	U	2.0	UG/L	8/1/97	METALS
92854-PB1	BERYLLIUM-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	8/1/97	METALS
92854-PB1	CADMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	CADMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	CALCIUM	LAB QC SAMPLES	38	U	38	UG/L	8/1/97	METALS
92854-PB1	CALCIUM-D	LAB QC SAMPLES	38	U	38	UG/L	8/1/97	METALS
92854-PB1	CHROMIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	CHROMIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	COBALT	LAB QC SAMPLES	10	U	10	UG/L	8/1/97	METALS
92854-PB1	COBALT-D	LAB QC SAMPLES	10	U	10	UG/L	8/1/97	METALS
92854-PB1	COPPER	LAB QC SAMPLES	3.0	U	3.0	UG/L	8/1/97	METALS
92854-PB1	COPPER-D	LAB QC SAMPLES	3.0	U	3.0	UG/L	8/1/97	METALS
92854-PB1	IRON	LAB QC SAMPLES	62		25	UG/L	8/1/97	METALS
92854-PB1	IRON-D	LAB QC SAMPLES	25	U	25	UG/L	8/1/97	METALS
92854-PB1	LEAD	LAB QC SAMPLES	2.0	U	2.0	UG/L	9/2/97	METALS
92854-PB1	LEAD-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	9/2/97	METALS
92854-PB1	MAGNESIUM	LAB QC SAMPLES	32	U	32	UG/L	8/1/97	METALS
92854-PB1	MAGNESIUM-D	LAB QC SAMPLES	32	U	32	UG/L	8/1/97	METALS
92854-PB1	MANGANESE	LAB QC SAMPLES	2.0	U	2.0	UG/L	8/1/97	METALS
92854-PB1	MANGANESE-D	LAB QC SAMPLES	2.0	U	2.0	UG/L	8/1/97	METALS
92854-PB1	NICKEL	LAB QC SAMPLES	20	U	20	UG/L	8/1/97	METALS
92854-PB1	NICKEL-D	LAB QC SAMPLES	20	U	20	UG/L	8/1/97	METALS
92854-PB1	POTASSIUM	LAB QC SAMPLES	600	U	600	UG/L	8/1/97	METALS
92854-PB1	POTASSIUM-D	LAB QC SAMPLES	600	U	600	UG/L	8/1/97	METALS
92854-PB1	SELENIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	9/2/97	METALS
92854-PB1	SELENIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	9/2/97	METALS
92854-PB1	SILVER	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

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92854-PB1	SILVER-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	SODIUM	LAB QC SAMPLES	29	U	29	UG/L	8/1/97	METALS
92854-PB1	SODIUM-D	LAB QC SAMPLES	100		29	UG/L	8/1/97	METALS
92854-PB1	THALLIUM	LAB QC SAMPLES	9.3		5.0	UG/L	9/2/97	METALS
92854-PB1	THALLIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	9/2/97	METALS
92854-PB1	VANADIUM	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	VANADIUM-D	LAB QC SAMPLES	5.0	U	5.0	UG/L	8/1/97	METALS
92854-PB1	ZINC	LAB QC SAMPLES	7.7		4.0	UG/L	8/1/97	METALS
92854-PB1	ZINC-D	LAB QC SAMPLES	6.7		4.0	UG/L	8/1/97	METALS
92854-PB7	MERCURY	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/25/97	METALS
92854-PB7	MERCURY-D	LAB QC SAMPLES	0.20	U	0.20	UG/L	7/25/97	METALS
92854-SBLK197	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	1,2-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	77			PERCENT	7/16/97	SVOC
92854-SBLK197	1,3-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	1,4-DICHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	80			PERCENT	7/16/97	SVOC
92854-SBLK197	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,4-DICHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,4-DINITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	2,4-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2,6-DINITROTOLUENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2-CHLORONAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2-CHLOROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2-CHLOROPHENOL-D4	LAB QC SAMPLES	77			PERCENT	7/16/97	SVOC
92854-SBLK197	2-FLUOROBIPHENYL	LAB QC SAMPLES	85			PERCENT	7/16/97	SVOC
92854-SBLK197	2-FLUOROPHENOL	LAB QC SAMPLES	73			PERCENT	7/16/97	SVOC
92854-SBLK197	2-METHYLNAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	2-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	2-NITROPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	20	U	20	UG/L	7/16/97	SVOC
92854-SBLK197	3-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	20	U	20	UG/L	7/16/97	SVOC
92854-SBLK197	4-CHLOROANILINE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	4-METHYLPHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	4-NITROANILINE	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	4-NITROPHENOL	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	ACENAPHTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	ACENAPHTHYLENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BENZO(A)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BENZO(A)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BENZOIC ACID	LAB QC SAMPLES	50	U	50	UG/L	7/16/97	SVOC
92854-SBLK197	BENZYL ALCOHOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	10	J	10	UG/L	7/16/97	SVOC
92854-SBLK197	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	CHRYSENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	DIBENZOFURAN	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	DIETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	DIMETHYLPHTHALATE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	FLUORANTHENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	FLUORENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	HEXACHLOROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	HEXACHLOROBUTADIENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	HEXACHLOROETHANE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	ISOPHORONE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-SBLK197	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	NAPHTHALENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	NITROBENZENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	NITROBENZENE-D5	LAB QC SAMPLES	79			PERCENT	7/16/97	SVOC
92854-SBLK197	PENTACHLOROPHENOL	LAB QC SAMPLES	30	U	30	UG/L	7/16/97	SVOC
92854-SBLK197	PHENANTHRENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	PHENOL	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	PHENOL-D6	LAB QC SAMPLES	74			PERCENT	7/16/97	SVOC
92854-SBLK197	PYRENE	LAB QC SAMPLES	10	U	10	UG/L	7/16/97	SVOC
92854-SBLK197	TERPHENYL-D14	LAB QC SAMPLES	91			PERCENT	7/16/97	SVOC
92854-SBLK197MS	1,2,4-TRICHLOROBENZENE	LAB QC SAMPLES	41		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	1,2-DICHLOROBENZENE	LAB QC SAMPLES	40		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	1,2-DICHLOROBENZENE-D4	LAB QC SAMPLES	72			PERCENT	7/16/97	SVOC
92854-SBLK197MS	1,3-DICHLOROBENZENE	LAB QC SAMPLES	39		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	1,4-DICHLOROBENZENE	LAB QC SAMPLES	40		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,2'-OXYBIS(1-CHLOROPROPANE)	LAB QC SAMPLES	39		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,4,5-TRICHLOROPHENOL	LAB QC SAMPLES	45		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,4,6-TRIBROMOPHENOL	LAB QC SAMPLES	88			PERCENT	7/16/97	SVOC
92854-SBLK197MS	2,4,6-TRICHLOROPHENOL	LAB QC SAMPLES	44		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,4-DICHLOROPHENOL	LAB QC SAMPLES	43		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,4-DIMETHYLPHENOL	LAB QC SAMPLES	24		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,4-DINITROPHENOL	LAB QC SAMPLES	35	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,4-DINITROTOLUENE	LAB QC SAMPLES	50		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2,6-DINITROTOLUENE	LAB QC SAMPLES	50		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2-CHLORONAPHTHALENE	LAB QC SAMPLES	46		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2-CHLOROPHENOL	LAB QC SAMPLES	41		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2-CHLOROPHENOL-D4	LAB QC SAMPLES	80			PERCENT	7/16/97	SVOC
92854-SBLK197MS	2-FLUOROBIPHENYL	LAB QC SAMPLES	87			PERCENT	7/16/97	SVOC
92854-SBLK197MS	2-FLUOROPHENOL	LAB QC SAMPLES	75			PERCENT	7/16/97	SVOC
92854-SBLK197MS	2-METHYLNAPHTHALENE	LAB QC SAMPLES	42		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2-METHYLPHENOL	LAB QC SAMPLES	39		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	2-NITROANILINE	LAB QC SAMPLES	46	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	2-NITROPHENOL	LAB QC SAMPLES	44		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	3,3'-DICHLOROBENZIDINE	LAB QC SAMPLES	22		20	UG/L	7/16/97	SVOC
92854-SBLK197MS	3-NITROANILINE	LAB QC SAMPLES	34	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	4,6-DINITRO-2-METHYLPHENOL	LAB QC SAMPLES	43	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-BROMOPHENYL-PHENYLETHER	LAB QC SAMPLES	47		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-CHLORO-3-METHYLPHENOL	LAB QC SAMPLES	44		20	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-CHLOROANILINE	LAB QC SAMPLES	26		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-CHLOROPHENYL-PHENYLETHER	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-METHYLPHENOL	LAB QC SAMPLES	35		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-NITROANILINE	LAB QC SAMPLES	41	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	4-NITROPHENOL	LAB QC SAMPLES	41	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	ACENAPHTHENE	LAB QC SAMPLES	47		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	ACENAPHTHYLENE	LAB QC SAMPLES	47		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	ANTHRACENE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZO(A)ANTHRACENE	LAB QC SAMPLES	50		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZO(A)PYRENE	LAB QC SAMPLES	46		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZO(B)FLUORANTHENE	LAB QC SAMPLES	45		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZO(G,H,I)PERYLENE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZO(K)FLUORANTHENE	LAB QC SAMPLES	50		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZOIC ACID	LAB QC SAMPLES	13	J	50	UG/L	7/16/97	SVOC
92854-SBLK197MS	BENZYL ALCOHOL	LAB QC SAMPLES	31		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BIS(2-CHLOROETHOXY)METHANE	LAB QC SAMPLES	44		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BIS(2-CHLOROETHYL)ETHER	LAB QC SAMPLES	34		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BIS(2-ETHYLHEXYL)PHTHALATE	LAB QC SAMPLES	53	B	10	UG/L	7/16/97	SVOC
92854-SBLK197MS	BUTYLBENZYLPHTHALATE	LAB QC SAMPLES	49		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	CHRYSENE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	DI-N-BUTYLPHTHALATE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	DI-N-OCTYLPHTHALATE	LAB QC SAMPLES	51		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	DIBENZ(A,H)ANTHRACENE	LAB QC SAMPLES	46		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	DIBENZOFURAN	LAB QC SAMPLES	46		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	DIETHYLPHTHALATE	LAB QC SAMPLES	49		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	DIMETHYLPHTHALATE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	FLUORANTHENE	LAB QC SAMPLES	47		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	FLUORENE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	HEXACHLOROBENZENE	LAB QC SAMPLES	48		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	HEXACHLOROBUTADIENE	LAB QC SAMPLES	40		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	HEXACHLOROCYCLOPENTADIENE	LAB QC SAMPLES	20		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	HEXACHLOROETHANE	LAB QC SAMPLES	37		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	INDENO(1,2,3-CD)PYRENE	LAB QC SAMPLES	46		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	ISOPHORONE	LAB QC SAMPLES	42		10	UG/L	7/16/97	SVOC

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-SBLK197MS	N-NITROSO-DI-N-PROPYLAMINE	LAB QC SAMPLES	42		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	N-NITROSODIPHENYLAMINE (1)	LAB QC SAMPLES	46		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	NAPHTHALENE	LAB QC SAMPLES	44		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	NITROBENZENE	LAB QC SAMPLES	37		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	NITROBENZENE-D5	LAB QC SAMPLES	85			PERCENT	7/16/97	SVOC
92854-SBLK197MS	PENTACHLOROPHENOL	LAB QC SAMPLES	36		30	UG/L	7/16/97	SVOC
92854-SBLK197MS	PHENANTHRENE	LAB QC SAMPLES	49		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	PHENOL	LAB QC SAMPLES	40		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	PHENOL-D6	LAB QC SAMPLES	79			PERCENT	7/16/97	SVOC
92854-SBLK197MS	PYRENE	LAB QC SAMPLES	51		10	UG/L	7/16/97	SVOC
92854-SBLK197MS	TERPHENYL-D14	LAB QC SAMPLES	94			PERCENT	7/16/97	SVOC
92854-VBLK202	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/21/97	VOC
92854-VBLK202	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	94			PERCENT	7/21/97	VOC
92854-VBLK202	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	ACETONE	LAB QC SAMPLES	6.7		1.0	UG/L	7/21/97	VOC
92854-VBLK202	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	TOLUENE-D8 (S)	LAB QC SAMPLES	104			PERCENT	7/21/97	VOC
92854-VBLK202	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	4.6		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	116			PERCENT	7/21/97	VOC
92854-VBLK202MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.4		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	2-BUTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	2-HEXANONE	LAB QC SAMPLES	20		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	106			PERCENT	7/21/97	VOC
92854-VBLK202MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	20		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	ACETONE	LAB QC SAMPLES	20	B	1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	BENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	BROMOFORM	LAB QC SAMPLES	5.3		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	BROMOMETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CARBON DISULFIDE	LAB QC SAMPLES	5.3		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	5.8		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CHLOROBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CHLOROETHANE	LAB QC SAMPLES	6.4		1.0	UG/L	7/21/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-VBLK202MS	CHLOROFORM	LAB QC SAMPLES	5.2		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CHLOROMETHANE	LAB QC SAMPLES	4.0		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.6		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	4.4		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	ETHYLBENZENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	M&P-XYLENE	LAB QC SAMPLES	10		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.6		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	O-XYLENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	STYRENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	TETRACHLOROETHENE	LAB QC SAMPLES	4.5		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	TOLUENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	TOLUENE-D8 (S)	LAB QC SAMPLES	98			PERCENT	7/21/97	VOC
92854-VBLK202MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.4		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	TRICHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	VINYL CHLORIDE	LAB QC SAMPLES	6.0		1.0	UG/L	7/21/97	VOC
92854-VBLK202MS	XYLENE (TOTAL)	LAB QC SAMPLES	15		1.0	UG/L	7/21/97	VOC
92854-VBLK203	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	108			PERCENT	7/22/97	VOC
92854-VBLK203	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	92			PERCENT	7/22/97	VOC
92854-VBLK203	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	ACETONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	TOLUENE-D8 (S)	LAB QC SAMPLES	104			PERCENT	7/22/97	VOC
92854-VBLK203	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.7		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	122			PERCENT	7/22/97	VOC
92854-VBLK203MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	2-BUTANONE	LAB QC SAMPLES	23		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	2-HEXANONE	LAB QC SAMPLES	22		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	104			PERCENT	7/22/97	VOC
92854-VBLK203MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	ACETONE	LAB QC SAMPLES	23		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/22/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-VBLK203MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	BROMOFORM	LAB QC SAMPLES	5.7		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	BROMOMETHANE	LAB QC SAMPLES	7.8		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CARBON DISULFIDE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	6.3		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CHLOROBENZENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CHLOROETHANE	LAB QC SAMPLES	7.1		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CHLOROFORM	LAB QC SAMPLES	5.8		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CHLOROMETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.1		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	ETHYLBENZENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	M&P-XYLENE	LAB QC SAMPLES	11		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.6		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	O-XYLENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	STYRENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	TETRACHLOROETHENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	TOLUENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	TOLUENE-D8 (S)	LAB QC SAMPLES	98			PERCENT	7/22/97	VOC
92854-VBLK203MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.5		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.8		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	TRICHLOROETHENE	LAB QC SAMPLES	5.8		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	VINYL CHLORIDE	LAB QC SAMPLES	6.9		1.0	UG/L	7/22/97	VOC
92854-VBLK203MS	XYLENE (TOTAL)	LAB QC SAMPLES	16		1.0	UG/L	7/22/97	VOC
92854-VBLK204	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,1-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,1-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,1-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,2-DICHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	116			PERCENT	7/23/97	VOC
92854-VBLK204	1,2-DICHLOROPROPANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	2-BUTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	2-HEXANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	90			PERCENT	7/23/97	VOC
92854-VBLK204	4-METHYL-2-PENTANONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	ACETONE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	BENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	BROMODICHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	BROMOFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	BROMOMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CARBON DISULFIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CARBON TETRACHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CHLOROBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CHLOROETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CHLOROFORM	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	ETHYLBENZENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	M&P-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	METHYLENE CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	O-XYLENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	STYRENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	TETRACHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	TOLUENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	TOLUENE-D8 (S)	LAB QC SAMPLES	102			PERCENT	7/23/97	VOC
92854-VBLK204	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	TRICHLOROETHENE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	VINYL CHLORIDE	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204	XYLENE (TOTAL)	LAB QC SAMPLES	1.0	U	1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,1,1-TRICHLOROETHANE	LAB QC SAMPLES	6.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,1,2,2-TETRACHLOROETHANE	LAB QC SAMPLES	5.1		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,1,2-TRICHLOROETHANE	LAB QC SAMPLES	5.0		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,1-DICHLOROETHANE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,1-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,1-DICHLOROPROPENE	LAB QC SAMPLES	5.0		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,2-DICHLOROETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	1,2-DICHLOROETHANE D4 (S)	LAB QC SAMPLES	112			PERCENT	7/23/97	VOC

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RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
92854-VBLK204MS	1,2-DICHLOROPROPANE	LAB QC SAMPLES	4.7		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	2-BUTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	2-HEXANONE	LAB QC SAMPLES	22		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	4-BROMOFLUOROBENZENE (S)	LAB QC SAMPLES	104			PERCENT	7/23/97	VOC
92854-VBLK204MS	4-METHYL-2-PENTANONE	LAB QC SAMPLES	22		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	ACETONE	LAB QC SAMPLES	33		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	BENZENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	BROMODICHLOROMETHANE	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	BROMOFORM	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	BROMOMETHANE	LAB QC SAMPLES	8.0		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CARBON DISULFIDE	LAB QC SAMPLES	5.6		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CARBON TETRACHLORIDE	LAB QC SAMPLES	6.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CHLOROBENZENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CHLOROETHANE	LAB QC SAMPLES	7.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CHLOROFORM	LAB QC SAMPLES	5.8		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CHLOROMETHANE	LAB QC SAMPLES	4.9		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CIS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	CIS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	DIBROMOCHLOROMETHANE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	ETHYLBENZENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	M&P-XYLENE	LAB QC SAMPLES	11		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	METHYLENE CHLORIDE	LAB QC SAMPLES	4.6		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	O-XYLENE	LAB QC SAMPLES	5.3		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	STYRENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	TETRACHLOROETHENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	TOLUENE	LAB QC SAMPLES	5.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	TOLUENE-D8 (S)	LAB QC SAMPLES	100			PERCENT	7/23/97	VOC
92854-VBLK204MS	TRANS-1,2-DICHLOROETHENE	LAB QC SAMPLES	5.4		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	TRANS-1,3-DICHLOROPROPENE	LAB QC SAMPLES	4.9		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	TRICHLOROETHENE	LAB QC SAMPLES	5.8		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	VINYL CHLORIDE	LAB QC SAMPLES	7.2		1.0	UG/L	7/23/97	VOC
92854-VBLK204MS	XYLENE (TOTAL)	LAB QC SAMPLES	16		1.0	UG/L	7/23/97	VOC
MP10S972	FLUOROBENZENE (S)	SUR	94			PERCENT	6/24/97	GRO
MP10S972	1,2-DICHLOROBENZENE-D4	SUR	88			PERCENT	6/24/97	SVOC
MP10S972	2,4,6-TRIBROMOPHENOL	SUR	121			PERCENT	6/24/97	SVOC
MP10S972	2-CHLOROPHENOL-D4	SUR	87			PERCENT	6/24/97	SVOC
MP10S972	2-FLUOROBIPHENYL	SUR	94			PERCENT	6/24/97	SVOC
MP10S972	2-FLUOROPHENOL	SUR	66			PERCENT	6/24/97	SVOC
MP10S972	NITROBENZENE-D5	SUR	93			PERCENT	6/24/97	SVOC
MP10S972	PHENOL-D6	SUR	81			PERCENT	6/24/97	SVOC
MP10S972	TERPHENYL-D14	SUR	105			PERCENT	6/24/97	SVOC
MP10S972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	6/24/97	VOC
MP10S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/24/97	VOC
MP10S972	DIBROMOFLUOROMETHANE (S)	SUR	112			PERCENT	6/24/97	VOC
MP10S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/24/97	VOC
MP12S972	FLUOROBENZENE (S)	SUR	96			PERCENT	6/25/97	GRO
MP12S972	1,2-DICHLOROETHANE D4 (S)	SUR	120			PERCENT	6/25/97	VOC
MP12S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/25/97	VOC
MP12S972	DIBROMOFLUOROMETHANE (S)	SUR	110			PERCENT	6/25/97	VOC
MP12S972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/25/97	VOC
MP12S972DL	1,2-DICHLOROETHANE D4 (S)	SUR	112			PERCENT	6/25/97	VOC
MP12S972DL	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/25/97	VOC
MP12S972DL	DIBROMOFLUOROMETHANE (S)	SUR	108			PERCENT	6/25/97	VOC
MP12S972DL	TOLUENE-D8 (S)	SUR	104			PERCENT	6/25/97	VOC
MP13S972	FLUOROBENZENE (S)	SUR	134			PERCENT	6/30/97	GRO
MP13S972	1,2-DICHLOROBENZENE-D4	SUR	83			PERCENT	6/30/97	SVOC
MP13S972	2,4,6-TRIBROMOPHENOL	SUR	148			PERCENT	6/30/97	SVOC
MP13S972	2-CHLOROPHENOL-D4	SUR	91			PERCENT	6/30/97	SVOC
MP13S972	2-FLUOROBIPHENYL	SUR	91			PERCENT	6/30/97	SVOC
MP13S972	2-FLUOROPHENOL	SUR	64			PERCENT	6/30/97	SVOC
MP13S972	NITROBENZENE-D5	SUR	107			PERCENT	6/30/97	SVOC
MP13S972	PHENOL-D6	SUR	96			PERCENT	6/30/97	SVOC
MP13S972	TERPHENYL-D14	SUR	115			PERCENT	6/30/97	SVOC
MP13S972	1,2-DICHLOROETHANE D4 (S)	SUR	114			PERCENT	6/30/97	VOC
MP13S972	4-BROMOFLUOROBENZENE (S)	SUR	108			PERCENT	6/30/97	VOC
MP13S972	TOLUENE-D8 (S)	SUR	108			PERCENT	6/30/97	VOC
MP13S972DL	1,2-DICHLOROETHANE D4 (S)	SUR	124			PERCENT	6/30/97	VOC
MP13S972DL	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/30/97	VOC
MP13S972DL	TOLUENE-D8 (S)	SUR	104			PERCENT	6/30/97	VOC
MP140972	FLUOROBENZENE (S)	SUR	99			PERCENT	6/30/97	GRO
MP140972	1,2-DICHLOROBENZENE-D4	SUR	75			PERCENT	6/30/97	SVOC
MP140972	2,4,6-TRIBROMOPHENOL	SUR	127			PERCENT	6/30/97	SVOC
MP140972	2-CHLOROPHENOL-D4	SUR	75			PERCENT	6/30/97	SVOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
MP140972	2-FLUOROBIPHENYL	SUR	80			PERCENT	6/30/97	SVOC
MP140972	2-FLUOROPHENOL	SUR	52			PERCENT	6/30/97	SVOC
MP140972	NITROBENZENE-D5	SUR	81			PERCENT	6/30/97	SVOC
MP140972	PHENOL-D6	SUR	70			PERCENT	6/30/97	SVOC
MP140972	TERPHENYL-D14	SUR	108			PERCENT	6/30/97	SVOC
MP140972	1,2-DICHLOROETHANE D4 (S)	SUR	120			PERCENT	6/30/97	VOC
MP140972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/30/97	VOC
MP140972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/30/97	VOC
MP15S972	FLUOROBENZENE (S)	SUR	96			PERCENT	6/25/97	GRO
MP15S972	1,2-DICHLOROBENZENE-D4	SUR	88			PERCENT	6/25/97	SVOC
MP15S972	2,4,6-TRIBROMOPHENOL	SUR	130			PERCENT	6/25/97	SVOC
MP15S972	2-CHLOROPHENOL-D4	SUR	81			PERCENT	6/25/97	SVOC
MP15S972	2-FLUOROBIPHENYL	SUR	90			PERCENT	6/25/97	SVOC
MP15S972	2-FLUOROPHENOL	SUR	65			PERCENT	6/25/97	SVOC
MP15S972	NITROBENZENE-D5	SUR	98			PERCENT	6/25/97	SVOC
MP15S972	PHENOL-D6	SUR	86			PERCENT	6/25/97	SVOC
MP15S972	TERPHENYL-D14	SUR	105			PERCENT	6/25/97	SVOC
MP15S972	1,2-DICHLOROETHANE D4 (S)	SUR	114			PERCENT	6/25/97	VOC
MP15S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/25/97	VOC
MP15S972	DIBROMOFLUOROMETHANE (S)	SUR	110			PERCENT	6/25/97	VOC
MP15S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/25/97	VOC
MP16D972	FLUOROBENZENE (S)	SUR	98			PERCENT	6/26/97	GRO
MP16D972	1,2-DICHLOROBENZENE-D4	SUR	93			PERCENT	6/26/97	SVOC
MP16D972	2,4,6-TRIBROMOPHENOL	SUR	126			PERCENT	6/26/97	SVOC
MP16D972	2-CHLOROPHENOL-D4	SUR	80			PERCENT	6/26/97	SVOC
MP16D972	2-FLUOROBIPHENYL	SUR	92			PERCENT	6/26/97	SVOC
MP16D972	2-FLUOROPHENOL	SUR	65			PERCENT	6/26/97	SVOC
MP16D972	NITROBENZENE-D5	SUR	93			PERCENT	6/26/97	SVOC
MP16D972	PHENOL-D6	SUR	90			PERCENT	6/26/97	SVOC
MP16D972	TERPHENYL-D14	SUR	105			PERCENT	6/26/97	SVOC
MP16D972	1,2-DICHLOROETHANE D4 (S)	SUR	122			PERCENT	6/26/97	VOC
MP16D972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/26/97	VOC
MP16D972	DIBROMOFLUOROMETHANE (S)	SUR	108			PERCENT	6/26/97	VOC
MP16D972	TOLUENE-D8 (S)	SUR	104			PERCENT	6/26/97	VOC
MP16S972	FLUOROBENZENE (S)	SUR	99			PERCENT	6/26/97	GRO
MP16S972	1,2-DICHLOROBENZENE-D4	SUR	83			PERCENT	6/26/97	SVOC
MP16S972	2,4,6-TRIBROMOPHENOL	SUR	122			PERCENT	6/26/97	SVOC
MP16S972	2-CHLOROPHENOL-D4	SUR	78			PERCENT	6/26/97	SVOC
MP16S972	2-FLUOROBIPHENYL	SUR	86			PERCENT	6/26/97	SVOC
MP16S972	2-FLUOROPHENOL	SUR	61			PERCENT	6/26/97	SVOC
MP16S972	NITROBENZENE-D5	SUR	90			PERCENT	6/26/97	SVOC
MP16S972	PHENOL-D6	SUR	87			PERCENT	6/26/97	SVOC
MP16S972	TERPHENYL-D14	SUR	99			PERCENT	6/26/97	SVOC
MP16S972	1,2-DICHLOROETHANE D4 (S)	SUR	118			PERCENT	6/26/97	VOC
MP16S972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/26/97	VOC
MP16S972	DIBROMOFLUOROMETHANE (S)	SUR	90			PERCENT	6/26/97	VOC
MP16S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/26/97	VOC
MP16S972MS	1,1,1-TRICHLOROETHANE	MS	5.6		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,1,2,2-TETRACHLOROETHANE	MS	1.6		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,1,2-TRICHLOROETHANE	MS	5.6		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,1-DICHLOROETHANE	MS	6.3		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,1-DICHLOROETHENE	MS	5.2		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,1-DICHLOROPROPENE	MS	5.9		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,2-DICHLOROETHANE	MS	7.0		1.0	UG/L	6/26/97	VOC
MP16S972MS	1,2-DICHLOROETHANE D4 (S)	MS	124			PERCENT	6/26/97	VOC
MP16S972MS	1,2-DICHLOROPROPANE	MS	5.7		1.0	UG/L	6/26/97	VOC
MP16S972MS	2-BUTANONE	MS	30		1.0	UG/L	6/26/97	VOC
MP16S972MS	2-HEXANONE	MS	26		1.0	UG/L	6/26/97	VOC
MP16S972MS	4-BROMOFLUOROBENZENE (S)	MS	102			PERCENT	6/26/97	VOC
MP16S972MS	4-METHYL-2-PENTANONE	MS	29		1.0	UG/L	6/26/97	VOC
MP16S972MS	ACETONE	MS	19	B	1.0	UG/L	6/26/97	VOC
MP16S972MS	BENZENE	MS	7.7		1.0	UG/L	6/26/97	VOC
MP16S972MS	BROMODICHLOROMETHANE	MS	5.7		1.0	UG/L	6/26/97	VOC
MP16S972MS	BROMOFORM	MS	4.8		1.0	UG/L	6/26/97	VOC
MP16S972MS	BROMOMETHANE	MS	8.1		1.0	UG/L	6/26/97	VOC
MP16S972MS	CARBON DISULFIDE	MS	5.1		1.0	UG/L	6/26/97	VOC
MP16S972MS	CARBON TETRACHLORIDE	MS	5.5		1.0	UG/L	6/26/97	VOC
MP16S972MS	CHLOROBENZENE	MS	5.4		1.0	UG/L	6/26/97	VOC
MP16S972MS	CHLOROETHANE	MS	7.8		1.0	UG/L	6/26/97	VOC
MP16S972MS	CHLOROFORM	MS	5.9		1.0	UG/L	6/26/97	VOC
MP16S972MS	CHLOROMETHANE	MS	6.2		1.0	UG/L	6/26/97	VOC
MP16S972MS	CIS-1,2-DICHLOROETHENE	MS	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MS	CIS-1,3-DICHLOROPROPENE	MS	4.6		1.0	UG/L	6/26/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
MP16S972MS	DIBROMOCHLOROMETHANE	MS	5.0		1.0	UG/L	6/26/97	VOC
MP16S972MS	DIBROMOFLUOROMETHANE (S)	MS	106			PERCENT	6/26/97	VOC
MP16S972MS	ETHYLBENZENE	MS	5.5		1.0	UG/L	6/26/97	VOC
MP16S972MS	M&P-XYLENE	MS	10		1.0	UG/L	6/26/97	VOC
MP16S972MS	METHYLENE CHLORIDE	MS	5.0	B	1.0	UG/L	6/26/97	VOC
MP16S972MS	O-XYLENE	MS	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MS	STYRENE	MS	5.1		1.0	UG/L	6/26/97	VOC
MP16S972MS	TETRACHLOROETHENE	MS	4.8		1.0	UG/L	6/26/97	VOC
MP16S972MS	TOLUENE	MS	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MS	TOLUENE-D8 (S)	MS	100			PERCENT	6/26/97	VOC
MP16S972MS	TRANS-1,2-DICHLOROETHENE	MS	5.4		1.0	UG/L	6/26/97	VOC
MP16S972MS	TRANS-1,3-DICHLOROPROPENE	MS	5.0		1.0	UG/L	6/26/97	VOC
MP16S972MS	TRICHLOROETHENE	MS	5.6		1.0	UG/L	6/26/97	VOC
MP16S972MS	VINYL CHLORIDE	MS	8.1		1.0	UG/L	6/26/97	VOC
MP16S972MS	XYLENE (TOTAL)	MS	16		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,1,1-TRICHLOROETHANE	MSD	5.2		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,1,2,2-TETRACHLOROETHANE	MSD	5.9		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,1,2-TRICHLOROETHANE	MSD	5.6		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,1-DICHLOROETHANE	MSD	5.9		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,1-DICHLOROETHENE	MSD	4.6		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,1-DICHLOROPROPENE	MSD	5.4		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,2-DICHLOROETHANE	MSD	6.6		1.0	UG/L	6/26/97	VOC
MP16S972MSD	1,2-DICHLOROETHANE D4 (S)	MSD	124			PERCENT	6/26/97	VOC
MP16S972MSD	1,2-DICHLOROPROPANE	MSD	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MSD	2-BUTANONE	MSD	29		1.0	UG/L	6/26/97	VOC
MP16S972MSD	2-HEXANONE	MSD	30		1.0	UG/L	6/26/97	VOC
MP16S972MSD	4-BROMOFLUOROBENZENE (S)	MSD	100			PERCENT	6/26/97	VOC
MP16S972MSD	4-METHYL-2-PENTANONE	MSD	29		1.0	UG/L	6/26/97	VOC
MP16S972MSD	ACETONE	MSD	15	B	1.0	UG/L	6/26/97	VOC
MP16S972MSD	BENZENE	MSD	7.2		1.0	UG/L	6/26/97	VOC
MP16S972MSD	BROMODICHLOROMETHANE	MSD	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MSD	BROMOFORM	MSD	4.6		1.0	UG/L	6/26/97	VOC
MP16S972MSD	BROMOMETHANE	MSD	8.8		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CARBON DISULFIDE	MSD	4.8		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CARBON TETRACHLORIDE	MSD	5.1		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CHLOROBENZENE	MSD	5.0		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CHLOROETHANE	MSD	7.1		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CHLOROFORM	MSD	5.4		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CHLOROMETHANE	MSD	5.8		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CIS-1,2-DICHLOROETHENE	MSD	5.0		1.0	UG/L	6/26/97	VOC
MP16S972MSD	CIS-1,3-DICHLOROPROPENE	MSD	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MSD	DIBROMOCHLOROMETHANE	MSD	4.7		1.0	UG/L	6/26/97	VOC
MP16S972MSD	DIBROMOFLUOROMETHANE (S)	MSD	112			PERCENT	6/26/97	VOC
MP16S972MSD	ETHYLBENZENE	MSD	5.2		1.0	UG/L	6/26/97	VOC
MP16S972MSD	M&P-XYLENE	MSD	10		1.0	UG/L	6/26/97	VOC
MP16S972MSD	METHYLENE CHLORIDE	MSD	4.6	B	1.0	UG/L	6/26/97	VOC
MP16S972MSD	O-XYLENE	MSD	5.0		1.0	UG/L	6/26/97	VOC
MP16S972MSD	STYRENE	MSD	4.7		1.0	UG/L	6/26/97	VOC
MP16S972MSD	TETRACHLOROETHENE	MSD	4.4		1.0	UG/L	6/26/97	VOC
MP16S972MSD	TOLUENE	MSD	4.9		1.0	UG/L	6/26/97	VOC
MP16S972MSD	TOLUENE-D8 (S)	MSD	100			PERCENT	6/26/97	VOC
MP16S972MSD	TRANS-1,2-DICHLOROETHENE	MSD	5.0		1.0	UG/L	6/26/97	VOC
MP16S972MSD	TRANS-1,3-DICHLOROPROPENE	MSD	5.3		1.0	UG/L	6/26/97	VOC
MP16S972MSD	TRICHLOROETHENE	MSD	4.4		1.0	UG/L	6/26/97	VOC
MP16S972MSD	VINYL CHLORIDE	MSD	7.6		1.0	UG/L	6/26/97	VOC
MP16S972MSD	XYLENE (TOTAL)	MSD	15		1.0	UG/L	6/26/97	VOC
MP17S972	FLUOROBENZENE (S)	SUR	100			PERCENT	6/27/97	GRO
MP17S972	1,2-DICHLOROBENZENE-D4	SUR	81			PERCENT	6/27/97	SVOC
MP17S972	2,4,6-TRIBROMOPHENOL	SUR	126			PERCENT	6/27/97	SVOC
MP17S972	2-CHLOROPHENOL-D4	SUR	77			PERCENT	6/27/97	SVOC
MP17S972	2-FLUOROBIPHENYL	SUR	88			PERCENT	6/27/97	SVOC
MP17S972	2-FLUOROPHENOL	SUR	62			PERCENT	6/27/97	SVOC
MP17S972	NITROBENZENE-D5	SUR	92			PERCENT	6/27/97	SVOC
MP17S972	PHENOL-D6	SUR	80			PERCENT	6/27/97	SVOC
MP17S972	TERPHENYL-D14	SUR	102			PERCENT	6/27/97	SVOC
MP17S972	1,2-DICHLOROETHANE D4 (S)	SUR	124			PERCENT	6/27/97	VOC
MP17S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/27/97	VOC
MP17S972	DIBROMOFLUOROMETHANE (S)	SUR	112			PERCENT	6/27/97	VOC
MP17S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/27/97	VOC
MP17S972DL	1,2-DICHLOROETHANE D4 (S)	SUR	126			PERCENT	6/27/97	VOC
MP17S972DL	4-BROMOFLUOROBENZENE (S)	SUR	94			PERCENT	6/27/97	VOC
MP17S972DL	DIBROMOFLUOROMETHANE (S)	SUR	114			PERCENT	6/27/97	VOC
MP17S972DL	TOLUENE-D8 (S)	SUR	100			PERCENT	6/27/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
MP2D972	FLUOROBENZENE (S)	SUR	99			PERCENT	7/1/97	GRO
MP2D972	1,2-DICHLOROBENZENE-D4	SUR	78			PERCENT	7/1/97	SVOC
MP2D972	2,4,6-TRIBROMOPHENOL	SUR	125			PERCENT	7/1/97	SVOC
MP2D972	2-CHLOROPHENOL-D4	SUR	75			PERCENT	7/1/97	SVOC
MP2D972	2-FLUOROBIPHENYL	SUR	78			PERCENT	7/1/97	SVOC
MP2D972	2-FLUOROPHENOL	SUR	57			PERCENT	7/1/97	SVOC
MP2D972	NITROBENZENE-D5	SUR	87			PERCENT	7/1/97	SVOC
MP2D972	PHENOL-D6	SUR	73			PERCENT	7/1/97	SVOC
MP2D972	TERPHENYL-D14	SUR	101			PERCENT	7/1/97	SVOC
MP2D972	1,2-DICHLOROETHANE D4 (S)	SUR	122			PERCENT	7/1/97	VOC
MP2D972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	7/1/97	VOC
MP2D972	TOLUENE-D8 (S)	SUR	104			PERCENT	7/1/97	VOC
MP2S972	FLUOROBENZENE (S)	SUR	98			PERCENT	7/1/97	GRO
MP2S972	1,2-DICHLOROETHANE D4 (S)	SUR	128			PERCENT	7/1/97	VOC
MP2S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	7/1/97	VOC
MP2S972	TOLUENE-D8 (S)	SUR	102			PERCENT	7/1/97	VOC
MP2S972MS	1,1,1-TRICHLOROETHANE	MS	5.4		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,1,2,2-TETRACHLOROETHANE	MS	1.2		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,1,2-TRICHLOROETHANE	MS	5.5		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,1-DICHLOROETHANE	MS	6.2		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,1-DICHLOROETHENE	MS	5.0		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,1-DICHLOROPROPENE	MS	5.6		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,2-DICHLOROETHANE	MS	6.9		1.0	UG/L	7/1/97	VOC
MP2S972MS	1,2-DICHLOROETHANE D4 (S)	MS	136			PERCENT	7/1/97	VOC
MP2S972MS	1,2-DICHLOROPROPANE	MS	5.5		1.0	UG/L	7/1/97	VOC
MP2S972MS	2-BUTANONE	MS	33		1.0	UG/L	7/1/97	VOC
MP2S972MS	2-HEXANONE	MS	24		1.0	UG/L	7/1/97	VOC
MP2S972MS	4-BROMOFLUOROBENZENE (S)	MS	102			PERCENT	7/1/97	VOC
MP2S972MS	4-METHYL-2-PENTANONE	MS	28		1.0	UG/L	7/1/97	VOC
MP2S972MS	ACETONE	MS	26	B	1.0	UG/L	7/1/97	VOC
MP2S972MS	BENZENE	MS	5.7		1.0	UG/L	7/1/97	VOC
MP2S972MS	BROMODICHLOROMETHANE	MS	5.5		1.0	UG/L	7/1/97	VOC
MP2S972MS	BROMOFORM	MS	4.8		1.0	UG/L	7/1/97	VOC
MP2S972MS	BROMOMETHANE	MS	7.8		1.0	UG/L	7/1/97	VOC
MP2S972MS	CARBON DISULFIDE	MS	5.2		1.0	UG/L	7/1/97	VOC
MP2S972MS	CARBON TETRACHLORIDE	MS	5.4		1.0	UG/L	7/1/97	VOC
MP2S972MS	CHLOROBENZENE	MS	5.1		1.0	UG/L	7/1/97	VOC
MP2S972MS	CHLOROETHANE	MS	8.4		1.0	UG/L	7/1/97	VOC
MP2S972MS	CHLOROFORM	MS	5.8		1.0	UG/L	7/1/97	VOC
MP2S972MS	CHLOROMETHANE	MS	6.2		1.0	UG/L	7/1/97	VOC
MP2S972MS	CIS-1,2-DICHLOROETHENE	MS	5.1		1.0	UG/L	7/1/97	VOC
MP2S972MS	CIS-1,3-DICHLOROPROPENE	MS	4.9		1.0	UG/L	7/1/97	VOC
MP2S972MS	DIBROMOCHLOROMETHANE	MS	4.7		1.0	UG/L	7/1/97	VOC
MP2S972MS	ETHYLBENZENE	MS	5.1		1.0	UG/L	7/1/97	VOC
MP2S972MS	M&P-XYLENE	MS	9.8		1.0	UG/L	7/1/97	VOC
MP2S972MS	METHYLENE CHLORIDE	MS	5.0		1.0	UG/L	7/1/97	VOC
MP2S972MS	O-XYLENE	MS	5.0		1.0	UG/L	7/1/97	VOC
MP2S972MS	STYRENE	MS	4.8		1.0	UG/L	7/1/97	VOC
MP2S972MS	TETRACHLOROETHENE	MS	4.4		1.0	UG/L	7/1/97	VOC
MP2S972MS	TOLUENE	MS	5.0		1.0	UG/L	7/1/97	VOC
MP2S972MS	TOLUENE-D8 (S)	MS	100			PERCENT	7/1/97	VOC
MP2S972MS	TRANS-1,2-DICHLOROETHENE	MS	5.2		1.0	UG/L	7/1/97	VOC
MP2S972MS	TRANS-1,3-DICHLOROPROPENE	MS	5.0		1.0	UG/L	7/1/97	VOC
MP2S972MS	TRICHLOROETHENE	MS	5.3		1.0	UG/L	7/1/97	VOC
MP2S972MS	VINYL CHLORIDE	MS	8.8		1.0	UG/L	7/1/97	VOC
MP2S972MS	XYLENE (TOTAL)	MS	15		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,1,1-TRICHLOROETHANE	MSD	5.8		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,1,2,2-TETRACHLOROETHANE	MSD	6.5		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,1,2-TRICHLOROETHANE	MSD	5.9		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,1-DICHLOROETHANE	MSD	6.6		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,1-DICHLOROETHENE	MSD	5.2		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,1-DICHLOROPROPENE	MSD	6.0		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,2-DICHLOROETHANE	MSD	7.2		1.0	UG/L	7/1/97	VOC
MP2S972MSD	1,2-DICHLOROETHANE D4 (S)	MSD	126			PERCENT	7/1/97	VOC
MP2S972MSD	1,2-DICHLOROPROPANE	MSD	6.0		1.0	UG/L	7/1/97	VOC
MP2S972MSD	2-BUTANONE	MSD	35		1.0	UG/L	7/1/97	VOC
MP2S972MSD	2-HEXANONE	MSD	34		1.0	UG/L	7/1/97	VOC
MP2S972MSD	4-BROMOFLUOROBENZENE (S)	MSD	100			PERCENT	7/1/97	VOC
MP2S972MSD	4-METHYL-2-PENTANONE	MSD	33		1.0	UG/L	7/1/97	VOC
MP2S972MSD	ACETONE	MSD	24		1.0	UG/L	7/1/97	VOC
MP2S972MSD	BENZENE	MSD	6.1		1.0	UG/L	7/1/97	VOC
MP2S972MSD	BROMODICHLOROMETHANE	MSD	5.9		1.0	UG/L	7/1/97	VOC
MP2S972MSD	BROMOFORM	MSD	5.2		1.0	UG/L	7/1/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
MP2S972MSD	BROMOMETHANE	MSD	8.9		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CARBON DISULFIDE	MSD	5.5		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CARBON TETRACHLORIDE	MSD	5.8		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CHLOROBENZENE	MSD	5.6		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CHLOROETHANE	MSD	8.9		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CHLOROFORM	MSD	6.1		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CHLOROMETHANE	MSD	6.7		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CIS-1,2-DICHLOROETHENE	MSD	5.4		1.0	UG/L	7/1/97	VOC
MP2S972MSD	CIS-1,3-DICHLOROPROPENE	MSD	5.8		1.0	UG/L	7/1/97	VOC
MP2S972MSD	DIBROMOCHLOROMETHANE	MSD	5.1		1.0	UG/L	7/1/97	VOC
MP2S972MSD	ETHYLBENZENE	MSD	5.6		1.0	UG/L	7/1/97	VOC
MP2S972MSD	M&P-XYLENE	MSD	11		1.0	UG/L	7/1/97	VOC
MP2S972MSD	METHYLENE CHLORIDE	MSD	5.2		1.0	UG/L	7/1/97	VOC
MP2S972MSD	O-XYLENE	MSD	5.4		1.0	UG/L	7/1/97	VOC
MP2S972MSD	STYRENE	MSD	5.0		1.0	UG/L	7/1/97	VOC
MP2S972MSD	TETRACHLOROETHENE	MSD	4.7		1.0	UG/L	7/1/97	VOC
MP2S972MSD	TOLUENE	MSD	5.4		1.0	UG/L	7/1/97	VOC
MP2S972MSD	TOLUENE-D8 (S)	MSD	100			PERCENT	7/1/97	VOC
MP2S972MSD	TRANS-1,2-DICHLOROETHENE	MSD	5.4		1.0	UG/L	7/1/97	VOC
MP2S972MSD	TRANS-1,3-DICHLOROPROPENE	MSD	5.8		1.0	UG/L	7/1/97	VOC
MP2S972MSD	TRICHLOROETHENE	MSD	4.8		1.0	UG/L	7/1/97	VOC
MP2S972MSD	VINYL CHLORIDE	MSD	9.3		1.0	UG/L	7/1/97	VOC
MP2S972MSD	XYLENE (TOTAL)	MSD	16		1.0	UG/L	7/1/97	VOC
MP3D972	FLUOROBENZENE (S)	SUR	103			PERCENT	6/23/97	GRO
MP3D972	1,2-DICHLOROBENZENE-D4	SUR	81			PERCENT	6/23/97	SVOC
MP3D972	2,4,6-TRIBROMOPHENOL	SUR	125			PERCENT	6/23/97	SVOC
MP3D972	2-CHLOROPHENOL-D4	SUR	81			PERCENT	6/23/97	SVOC
MP3D972	2-FLUOROBIPHENYL	SUR	89			PERCENT	6/23/97	SVOC
MP3D972	2-FLUOROPHENOL	SUR	62			PERCENT	6/23/97	SVOC
MP3D972	NITROBENZENE-D5	SUR	86			PERCENT	6/23/97	SVOC
MP3D972	PHENOL-D6	SUR	78			PERCENT	6/23/97	SVOC
MP3D972	TERPHENYL-D14	SUR	100			PERCENT	6/23/97	SVOC
MP3D972	1,2-DICHLOROETHANE D4 (S)	SUR	114			PERCENT	6/23/97	VOC
MP3D972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/23/97	VOC
MP3D972	DIBROMOFLUOROMETHANE (S)	SUR	110			PERCENT	6/23/97	VOC
MP3D972	TOLUENE-D8 (S)	SUR	98			PERCENT	6/23/97	VOC
MP3S972	1,2-DICHLOROETHANE D4 (S)	SUR	118			PERCENT	6/24/97	VOC
MP3S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/24/97	VOC
MP3S972	DIBROMOFLUOROMETHANE (S)	SUR	110			PERCENT	6/24/97	VOC
MP3S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/24/97	VOC
MP4D972	FLUOROBENZENE (S)	SUR	102			PERCENT	6/23/97	GRO
MP4D972	1,2-DICHLOROBENZENE-D4	SUR	83			PERCENT	6/23/97	SVOC
MP4D972	2,4,6-TRIBROMOPHENOL	SUR	116			PERCENT	6/23/97	SVOC
MP4D972	2-CHLOROPHENOL-D4	SUR	78			PERCENT	6/23/97	SVOC
MP4D972	2-FLUOROBIPHENYL	SUR	90			PERCENT	6/23/97	SVOC
MP4D972	2-FLUOROPHENOL	SUR	63			PERCENT	6/23/97	SVOC
MP4D972	NITROBENZENE-D5	SUR	90			PERCENT	6/23/97	SVOC
MP4D972	PHENOL-D6	SUR	80			PERCENT	6/23/97	SVOC
MP4D972	TERPHENYL-D14	SUR	94			PERCENT	6/23/97	SVOC
MP4D972	1,2-DICHLOROETHANE D4 (S)	SUR	114			PERCENT	6/23/97	VOC
MP4D972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/23/97	VOC
MP4D972	DIBROMOFLUOROMETHANE (S)	SUR	108			PERCENT	6/23/97	VOC
MP4D972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/23/97	VOC
MP4D972DL	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	6/23/97	VOC
MP4D972DL	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/23/97	VOC
MP4D972DL	DIBROMOFLUOROMETHANE (S)	SUR	54			PERCENT	6/23/97	VOC
MP4D972DL	TOLUENE-D8 (S)	SUR	98			PERCENT	6/23/97	VOC
MP4S972	FLUOROBENZENE (S)	SUR	94			PERCENT	6/18/97	GRO
MP4S972	1,2-DICHLOROBENZENE-D4	SUR	78			PERCENT	6/18/97	SVOC
MP4S972	2,4,6-TRIBROMOPHENOL	SUR	95			PERCENT	6/18/97	SVOC
MP4S972	2-CHLOROPHENOL-D4	SUR	79			PERCENT	6/18/97	SVOC
MP4S972	2-FLUOROBIPHENYL	SUR	75			PERCENT	6/18/97	SVOC
MP4S972	2-FLUOROPHENOL	SUR	49			PERCENT	6/18/97	SVOC
MP4S972	NITROBENZENE-D5	SUR	82			PERCENT	6/18/97	SVOC
MP4S972	PHENOL-D6	SUR	81			PERCENT	6/18/97	SVOC
MP4S972	TERPHENYL-D14	SUR	92			PERCENT	6/18/97	SVOC
MP4S972	1,2-DICHLOROETHANE D4 (S)	SUR	104			PERCENT	6/18/97	VOC
MP4S972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/18/97	VOC
MP4S972	DIBROMOFLUOROMETHANE (S)	SUR	24			PERCENT	6/18/97	VOC
MP4S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/18/97	VOC
MP4S972MS	CHLORIDE (AS CL)	MS	12.88		1.0	MG/L	6/18/97	GENCHEM
MP4S972MS	NITROGEN, NITRATE (AS N)	MS	4.53		0.1	MG/L	6/18/97	GENCHEM
MP4S972MS	NITROGEN, NITRITE	MS	4.57		0.1	MG/L	6/18/97	GENCHEM

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RCRA
SITE 1 (HWSA) GROUNDWATER
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INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
MP4S972MS	SULFATE (AS SO4)	MS	318.9		1.0	MG/L	6/18/97	GENCHEM
MP4S972MSD	CHLORIDE (AS CL)	MSD	13.24		1.0	MG/L	6/18/97	GENCHEM
MP4S972MSD	NITROGEN, NITRATE (AS N)	MSD	4.37		0.1	MG/L	6/18/97	GENCHEM
MP4S972MSD	NITROGEN, NITRITE	MSD	4.29		0.1	MG/L	6/18/97	GENCHEM
MP4S972MSD	SULFATE (AS SO4)	MSD	315.1		1.0	MG/L	6/18/97	GENCHEM
MP6D972	FLUOROBENZENE (S)	SUR	96			PERCENT	6/19/97	GRO
MP6D972	1,2-DICHLOROBENZENE-D4	SUR	75			PERCENT	6/19/97	SVOC
MP6D972	2,4,6-TRIBROMOPHENOL	SUR	90			PERCENT	6/19/97	SVOC
MP6D972	2-CHLOROPHENOL-D4	SUR	76			PERCENT	6/19/97	SVOC
MP6D972	2-FLUOROBIPHENYL	SUR	77			PERCENT	6/19/97	SVOC
MP6D972	2-FLUOROPHENOL	SUR	46			PERCENT	6/19/97	SVOC
MP6D972	NITROBENZENE-D5	SUR	79			PERCENT	6/19/97	SVOC
MP6D972	PHENOL-D6	SUR	77			PERCENT	6/19/97	SVOC
MP6D972	TERPHENYL-D14	SUR	84			PERCENT	6/19/97	SVOC
MP6D972	1,2-DICHLOROETHANE D4 (S)	SUR	110			PERCENT	6/19/97	VOC
MP6D972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/19/97	VOC
MP6D972	DIBROMOFLUOROMETHANE (S)	SUR	108			PERCENT	6/19/97	VOC
MP6D972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/19/97	VOC
MP6S972	FLUOROBENZENE (S)	SUR	103			PERCENT	6/20/97	GRO
MP6S972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	6/20/97	VOC
MP6S972	4-BROMOFLUOROBENZENE (S)	SUR	98			PERCENT	6/20/97	VOC
MP6S972	DIBROMOFLUOROMETHANE (S)	SUR	110			PERCENT	6/20/97	VOC
MP6S972	TOLUENE-D8 (S)	SUR	102			PERCENT	6/20/97	VOC
MP8S972	FLUOROBENZENE (S)	SUR	94			PERCENT	6/24/97	GRO
MP8S972	1,2-DICHLOROETHANE D4 (S)	SUR	116			PERCENT	6/24/97	VOC
MP8S972	4-BROMOFLUOROBENZENE (S)	SUR	96			PERCENT	6/24/97	VOC
MP8S972	DIBROMOFLUOROMETHANE (S)	SUR	108			PERCENT	6/24/97	VOC
MP8S972	TOLUENE-D8 (S)	SUR	100			PERCENT	6/24/97	VOC
TB01079701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	120			PERCENT	7/1/97	VOC
TB01079701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	94			PERCENT	7/1/97	VOC
TB01079701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	ACETONE	TRIP BLANK	3.2	B	1.0	UG/L	7/1/97	VOC
TB01079701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	TOLUENE-D8 (S)	TRIP BLANK	104			PERCENT	7/1/97	VOC
TB01079701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB01079701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	7/1/97	VOC
TB09079701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB09079701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	118			PERCENT	7/9/97	VOC
TB09079701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	94			PERCENT	7/9/97	VOC
TB09079701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	ACETONE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	TOLUENE-D8 (S)	TRIP BLANK	104			PERCENT	7/9/97	VOC
TB09079701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB09079701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	7/9/97	VOC
TB1007972	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	132			PERCENT	7/10/97	VOC
TB1007972	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	90			PERCENT	7/10/97	VOC
TB1007972	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	ACETONE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	TOLUENE-D8 (S)	TRIP BLANK	100			PERCENT	7/10/97	VOC
TB1007972	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB1007972	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1007972	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	7/10/97	VOC
TB1107972	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	124			PERCENT	7/11/97	VOC
TB1107972	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	90			PERCENT	7/11/97	VOC
TB1107972	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	ACETONE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	TOLUENE-D8 (S)	TRIP BLANK	100			PERCENT	7/11/97	VOC
TB1107972	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB1107972	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	7/11/97	VOC
TB19069701	1,1,1,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2,3-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2,3-TRICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2,4-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2,4-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2-DIBROMO-3-CHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2-DIBROMOETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	104			PERCENT	6/19/97	VOC
TB19069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,3,5-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,3-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,3-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1,4-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	1-CHLOROHEXANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	2,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	2-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	96			PERCENT	6/19/97	VOC
TB19069701	4-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	BROMOBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	BROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB19069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	106			PERCENT	6/19/97	VOC
TB19069701	DIBROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	DICHLORODIFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	HEXACHLOROBUTADIENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	ISOPROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	N-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	N-PROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	NAPHTHALENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	P-ISOPROPYLTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	SEC-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TERT-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TOLUENE-D8 (S)	TRIP BLANK	100			PERCENT	6/19/97	VOC
TB19069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	TRICHLOROFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	VINYL ACETATE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1,1,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2,3-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2,3-TRICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2,4-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2,4-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2-DIBROMO-3-CHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2-DIBROMOETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	110			PERCENT	6/19/97	VOC
TB19069702	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,3,5-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,3-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,3-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1,4-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	1-CHLOROHEXANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	2,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	2-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	98			PERCENT	6/19/97	VOC
TB19069702	4-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	BROMOBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	BROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB19069702	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	108			PERCENT	6/19/97	VOC
TB19069702	DIBROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	DICHLORODIFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	HEXACHLOROBUTADIENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	ISOPROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	N-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	N-PROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	NAPHTHALENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	P-ISOPROPYLTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	SEC-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TERT-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TOLUENE-D8 (S)	TRIP BLANK	100			PERCENT	6/19/97	VOC
TB19069702	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	TRICHLOROFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	VINYL ACETATE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB19069702	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/19/97	VOC
TB20069701	1,1,1,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2,3-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2,3-TRICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2,4-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2,4-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2-DIBROMO-3-CHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2-DIBROMOETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	108			PERCENT	6/20/97	VOC
TB20069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,3,5-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,3-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,3-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1,4-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	1-CHLOROHEXANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	2,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	2-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	98			PERCENT	6/20/97	VOC
TB20069701	4-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	BROMOBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	BROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	106			PERCENT	6/20/97	VOC
TB20069701	DIBROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	DICHLORODIFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	HEXACHLOROBUTADIENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB20069701	ISOPROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	N-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	N-PROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	NAPHTHALENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	P-ISOPROPYLTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	SEC-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TERT-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TOLUENE-D8 (S)	TRIP BLANK	102			PERCENT	6/20/97	VOC
TB20069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	TRICHLOROFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	VINYL ACETATE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB20069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/20/97	VOC
TB23069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	114			PERCENT	6/23/97	VOC
TB23069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	96			PERCENT	6/23/97	VOC
TB23069701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	ACETONE	TRIP BLANK	4.6	B	1.0	UG/L	6/23/97	VOC
TB23069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	96			PERCENT	6/23/97	VOC
TB23069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	TOLUENE	TRIP BLANK	4.1		1.0	UG/L	6/23/97	VOC
TB23069701	TOLUENE-D8 (S)	TRIP BLANK	100			PERCENT	6/23/97	VOC
TB23069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB23069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/23/97	VOC
TB24069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	114			PERCENT	6/24/97	VOC
TB24069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB24069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	96			PERCENT	6/24/97	VOC
TB24069701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	ACETONE	TRIP BLANK	3.4	B	1.0	UG/L	6/24/97	VOC
TB24069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	110			PERCENT	6/24/97	VOC
TB24069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	TOLUENE-D8 (S)	TRIP BLANK	102			PERCENT	6/24/97	VOC
TB24069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB24069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/24/97	VOC
TB25069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	124			PERCENT	6/25/97	VOC
TB25069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	98			PERCENT	6/25/97	VOC
TB25069701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	ACETONE	TRIP BLANK	4.4	B	1.0	UG/L	6/25/97	VOC
TB25069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	110			PERCENT	6/25/97	VOC
TB25069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	TOLUENE-D8 (S)	TRIP BLANK	102			PERCENT	6/25/97	VOC
TB25069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB25069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/25/97	VOC
TB26069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB26069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	124			PERCENT	6/26/97	VOC
TB26069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	100			PERCENT	6/26/97	VOC
TB26069701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	ACETONE	TRIP BLANK	3.9	B	1.0	UG/L	6/26/97	VOC
TB26069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	116			PERCENT	6/26/97	VOC
TB26069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	TOLUENE-D8 (S)	TRIP BLANK	100			PERCENT	6/26/97	VOC
TB26069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB26069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/26/97	VOC
TB27069701	1,1,1,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2,3-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2,3-TRICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2,4-TRICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2,4-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2-DIBROMO-3-CHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2-DIBROMOETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	122			PERCENT	6/27/97	VOC
TB27069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,3,5-TRIMETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,3-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,3-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1,4-DICHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	1-CHLOROHEXANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	2,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	2-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	94			PERCENT	6/27/97	VOC
TB27069701	4-CHLOROTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	BROMOBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	BROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC

RICKENBACKER AIR NATIONAL GUARD BASE
RCRA
SITE 1 (HWSA) GROUNDWATER
PRELIMINARY ANALYTICAL DATA TABLE
INTERNATIONAL TECHNOLOGY CORPORATION

SAMPLE NO.	PARAMETER	SAMPLE TYPE	RESULT	RESULT QUAL.	DET. LIMIT	UNITS	SAMPLE DATE	TEST PANEL
TB27069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	DIBROMOFLUOROMETHANE (S)	TRIP BLANK	110			PERCENT	6/27/97	VOC
TB27069701	DIBROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	DICHLORODIFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	HEXACHLOROBUTADIENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	ISOPROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	N-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	N-PROPYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	NAPHTHALENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	P-ISOPROPYLTOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	SEC-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TERT-BUTYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TOLUENE-D8 (S)	TRIP BLANK	104			PERCENT	6/27/97	VOC
TB27069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	TRICHLOROFLUOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	VINYL ACETATE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB27069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/27/97	VOC
TB30069701	1,1,1-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,1,2,2-TETRACHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,1,2-TRICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,1-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,1-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,1-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,2-DICHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	1,2-DICHLOROETHANE D4 (S)	TRIP BLANK	102			PERCENT	6/30/97	VOC
TB30069701	1,2-DICHLOROPROPANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	2-BUTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	2-HEXANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	4-BROMOFLUOROBENZENE (S)	TRIP BLANK	96			PERCENT	6/30/97	VOC
TB30069701	4-METHYL-2-PENTANONE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	ACETONE	TRIP BLANK	4.9		1.0	UG/L	6/30/97	VOC
TB30069701	BENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	BROMODICHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	BROMOFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	BROMOMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CARBON DISULFIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CARBON TETRACHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CHLOROBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CHLOROETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CHLOROFORM	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CIS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	CIS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	DIBROMOCHLOROMETHANE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	ETHYLBENZENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	M&P-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	METHYLENE CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	O-XYLENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	STYRENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	TETRACHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	TOLUENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	TOLUENE-D8 (S)	TRIP BLANK	104			PERCENT	6/30/97	VOC
TB30069701	TRANS-1,2-DICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	TRANS-1,3-DICHLOROPROPENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	TRICHLOROETHENE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	VINYL CHLORIDE	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC
TB30069701	XYLENE (TOTAL)	TRIP BLANK	1.0	U	1.0	UG/L	6/30/97	VOC

APPENDIX C-5

NATURAL ATTENUATION GEOCHEMICAL DATA, DECEMBER 1996 - JUNE/JULY 1997

Natural Attenuation Groundwater Geochemical Data
December 1996
Hazardous Waste Storage Area
Rickenbacker ANGB, Ohio

		Field Data														Laboratory Data		
Sample Number	Sample Date	Water Temp. (C)	pH	Conductivity (umhos/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Total Alkalinity (mg/L)	Sulfide (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Ferric Iron (mg/L)	Sulfate (mg/L)	CO_2 (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Methane (mg/L)	Ethene (mg/L)	Ethane (mg/L)
ESMP-2D	Dec-96	14.1	7.27	817	0	-92.7	364	0.006	1.71	1.63	0.08	61	85	0.3	0.005	0.08	ND	ND
ESMP-2D (Dup)								NT		NT						0.067	ND	ND
ESMP-3D	Dec-96	13.5	7.2	784	0.38	-40.1	387	0.002	1.01	0.96	0.05	48	80	0.6	0	0.036	ND	ND
ESMP-3D (Dup)							354	0.002	1.00	0.94	0.06	50	90	0.7	0	0.038	ND	ND
ESMP-4S	Dec-96	12.8	6.51	1430	1.27	13.7	413	0.218	1.94	1.47	0.47	232D	90	1.4	1.4	0.661	ND	ND
ESMP-4D	Dec-96	14.1	6.72	859	0.55	47.7	318	0.068	0.41	0.19	0.22	64	85	0.2	0.9	0.012	ND	ND
ESMP-6D	Dec-96	14.8	7.42	764	0.49	-28.4	315	0.014	1.27	1.25	0.02	65	75	0.6	0	0.023	ND	ND
ESMP-8S	Dec-96	13.5	7.71	573	5.12	79.3	151	0.456	5.86D	3.90D	1.96	5	40	0.9	0.44	ND	ND	ND
ESMP-10S	Dec-96	13.3	7.48	551	2.49	63.2	267	0.525	1.26	0.36	0.9	47	105	0.4	0	ND	ND	ND
ESMP-13S	Dec-96	NT	NT	NT	NT	NT	283	0.008	5.36D	3.76D	1.6	5	80	0.4	0.006	18.3	0.223	0.03
ESMP-13S (DUP)	Dec-96						273	0.016	6.04D	4.28D	3.02	4.6	80	0.2	0.004			
ESMP-14D	Dec-96	13.7	7.16	937	0.14	-60.5	371	0.002	2.3	1.95	0.35	183D	180	1.2	0.058	0.327	ND	ND
ESMP-16S	Dec-96	14.2	7.13	2040	0.93	-130.5	875	0.021	13.12D	12.16D	0.96	780D	165	0.9	0.006	1.28	ND	0.004
ESMP-16D	Dec-96	14	7.23	856	0.37	-80.7	273	0.008	2.68	2.59	0.09	110	65	0.7	0.004	0.087	ND	ND
ESMP-17S	Dec-96	14.9	7.5	743	2.92	-123.1	252	0.011	4.14D	3.28	0.86	50	60	3.3	0	0.68	0.003	0.003
MW2	Dec-96	14.7	7.29	1050	0.12	62.6	326	0.002	0.003	0.003	0	276D	90	0.4	0.004	ND	ND	ND
MW3	Dec-96	14.1	7.23	899	0.8	122.4	350	0.017	0.26	0.16	0.1	126D	90	0.3	0.002	ND	ND	ND
MW4	Dec-96	13.5	7.21	950	5.83	161.3	351	0.009	0.003	0	0.003	138D	95	0.5	0.002	ND	ND	ND
MW4MS							420	0.008	0.002	0	0.002	138	100	0.5	0.002			
MW4MSD							424	0.012	0.003	0	0.003	142	95	0.6	0.001			
MW5	Dec-96	NT	NT	NT	NT	NT	378	0	8.97D	4.82D	4.15	10	130	0.5	0.003	5.98	ND	0.023
MW6	Dec-96	12.8	6.72	1040	4.96	125.5	441	0.013	0.05	0.02	0.03	172	100	2.2	0.007	ND	ND	ND
MW8	Dec-96	14.2	7.2	752	0.85	85.5	315	0.253	1.93	0.36	1.57	18	60	4.8	0.015	0.001	ND	ND
MW11	Dec-96	13.7	6.82	846	1.92	142.6	304	0.007	0.12	0	0.01	134	85	0.6	0.003	ND	ND	ND
MW12	Dec-96	14.7	7.2	990	7.39	161.2	414	0.007	0.01	0	0.01	134	85	0.6	0.003	ND	ND	ND

Natural Attenuation Groundwater Geochemical Data
March 1997
Hazardous Waste Storage Area
Rickenbacker ANGB, Ohio

	Field Data															Laboratory Data		
Sample Number	Sample Date	Water Temp. (C)	pH	Conductivity (umhos/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Total Alkalinity (mg/L)	Sulfide (mg/L)	Ferrous Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	CO_2 (mg/L)	NH_3 (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Methane (mg/L)	Ethene (mg/L)	Ethane (mg/L)
ESMP-2D	Mar-97	12.3	7.49	1180	2.31	144.8	367.5	0.001	1.59	0.3	0.005	45	0.1	10	0.1	0.069	ND	ND
ESMP-3D	Mar-97	11.6	7.52	1210	1.29	162.4	367.5	0.002	0.99	0.2	0.002	60	0.13	15	0.2	0.027	ND	ND
ESMP-4S	Mar-97	10.1	7.3	1390	1.8	168.9	430.5	0.004	1.23	0.2	0	85	0.71	15	0.4	0.93	ND	ND
ESMP-4D	Mar-97	10.6	7.49	1260	1.29	165.3	595	0.035	0.11	0.2	0.003	55	0.71	15	0.3	0.01	ND	ND
ESMP-6D	Mar-97	12.1	7.42	753	1.33	156.2	283.5	0.001	1.17	0.1	0.003	45	0.07	160	0.2	0.019	ND	ND
ESMP-8S	Mar-97	9.7	7.86	554	5.13	154.5	185.5	0.002	0	0.3	0.004	20	0.08	5	0.2	ND	ND	ND
ESMP-10S	Mar-97	10.2	7.64	973	1.65	160.5	276.5	0.002	0.01	0.6	0.014	40	0.02	10	0.3	0.001	ND	ND
ESMP-13S	Mar-97	12.3	7.69	974	1.45	141.2	301	0.003	4.34D	0	0	45	0.84	20	0	25.9	0.156	0.033
ESMP-14D	Mar-97	10.6	7.4	859	1.81	148.6	364	0.001	1.54	0.2	0.004	50	0.09	10	0.2	0.364	ND	ND
ESMP-16S	Mar-97	9.7	7.35	2080	2.97	150.7	444.5	0.001	16.1	1	0.006	110D	2.46D	10	7.3	3.07	ND	ND
ESMP-16D	Mar-97	12.1	7.36	1260	1.17	148.7	360.5	0.002	3.5	0.1	0.001	60	0.54	10	0.3	0.121	ND	ND
ESMP-17S	Mar-97	10.4	7.84	1130	1.82	143.8	350	0.002	2.56	0	0	40	0.34	10	0.3	1.89	ND	0.009
MW-2	Mar-97	9.7	7.51	960	3.52	144.3	402.5	0	0.01	0.2	0.003	20	0.07	5	0.3	0.223	ND	ND
MW-3	Mar-97	14.2	7.5	1230	2.55	142.5	441	0.001	0	0.3	0.003	35	0.01	10	0.4	0.002	ND	ND
MW-4	Mar-97	10.1	7.37	1.27	2.89	136.2	378	0.004	0	0.4	0.003	55	0.03	5	0.2	ND	ND	ND
MW-5	Mar-97	NT	NT	NT	NT	NT	378	0.009	3.36D	0.1	0	55	0.7	10	0.3	3.31	ND	0.011
MW-6	Mar-97	10.6	7.4	882	3.72	147.8	353.5	0.001	0.01	0.6	0.005	40	0	10	0	ND	ND	ND
MW-8	Mar-97	7.7	7.32	1070	2.38	138.1	378	0.002	0	0.3	0.002	40	0.03	5	0.1	0.09	ND	ND
MW-11	Mar-97	12.5	7.42	797	1.69	149.1	350	0.001	0.001	0.2	0.003	55	0.02	10	0.3	0.02	ND	ND
MW-12	Mar-97	11.2	7.35	970	3.32	157.8	367.5	0.001	0.01	0.2	0.004	70	0.05	20	0.1	ND	ND	ND

NT = not taken due to observation of product sheen in purge water

Natural Attenuation Groundwater Geochemical Data
June July 1997
Hazardous Waste Storage Area
Rickenbacker ANGB, Ohio

		Field Data														Laboratory Data		
Sample Number	Sample Date	Water Temp. (C)	pH	Conductivity (umhos/cm)	Dissolved Oxygen (mg/L)	Redox Potential (mV)	Total Alkalinity (mg/L)	Sulfide (mg/L)	Ferrous Iron (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	CO_2 (mg/L)	NH_3 (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Methane (mg/L)	Ethene (mg/L)	Ethane (mg/L)
ESMP-2D	Jul-97	14.3	6.93	841	0.9	-62.2	371	0.026	1.7	0.4	0.003	40	0.07	10	0.1	0.081	ND	ND
ESMP-2S	Jul-97	NT	NT	NT	NT	NT										0.055	ND	ND
ESMP-3D	Jun-97	16.2	7.15	807	0.77	-19	374.5	0.002	0.87	0.4	0.001	60	0.15	15	0.1	0.024	ND	ND
ESMP-3S	Jun-97	27.2	7.36	950	1.89	-27.2												
ESMP-4D	Jun-97	14.5	7.27	876	0.67	11.4	395.5	0.005	0.33	0.3	0.001	60	0.2	10	0.4	0.012	ND	ND
ESMP-4S	Jun-97	14.6	6.76	1200	0.74	38.2	434	0.002	0.66	0.3	0.002	65	0.23	15	0.3	0.791	ND	ND
ESMP-6D	Jun-97	16.5	6.65	855	1.34	NT	339.5	0.01	0.148	0.4	0.003	45	0.25	10	0.2	0.016	ND	ND
ESMP-8S	Jun-97	22.2	7.81	595	5.43	189.1										ND	ND	ND
ESMP-10S	Jun-97	18.2	6.98	676	0.69	212.8	315	0	0.72	0.1	0.006	40	0.28	10	0.2	0.002	ND	ND
ESMP-12S	Jun-97	23.5	7.05	835	2.77	186.7										0.004	ND	ND
ESMP-13S	Jun-97	16.1	7.09	594	1	-120.3	280	0	2.94	0	0	30	0.94	15	0	22.6	0.096	0.046
ESMP-14D	Jun-97	14.5	6.73	1000	1.29	10.3	367.5	0.039	2.17	0.3	0.002	50	0.32	10	0.1	0.279	0.001	ND
ESMP-15S	Jun-97	18.3	7.09	749	0.84	-128.5	350	0	3.02D	0	0	50	0.21	15	0	0.16	ND	ND
ESMP-16D	Jun-97	13.8	6.94	940	0.65	-96.1	378	0.001	2.9D	0	0	70	0.48	15	0.2	0.15	ND	0.002
ESMP-16S	Jun-97	17.4	6.92	1750	0.84	-115.5	462	0.01	14.5D	0	0	150D	2.72	15	7	4.85	ND	0.002
ESMP-17S	Jun-97	17.6	7.35	836	2.42	-323	374.5	0.03	13.5D	0	0	50	0.51	10	0	0.604	0.011	ND
ESMP-17S (DUP)	Jun-97						357	0.026	13.5D	0	0	50	0.43	10	0			
MW-2	Jun-97	15.3	6.91	920	1.58	-30.5	409.5	0.006	0.2	0.005	0.5	45	0.23	10	0	0.248	ND	ND
MW-3	Jul-97	15.9	6.91	913	5.95	198.5	395.5	0.011	0.14	0.6	0.006	85	0.08	10	0.2	ND	ND	ND
MW-4	Jun-97	14.5	6.77	955	1.32	236	420	0.002	0	0.3	0.005	65	0.05	5	0.1	ND	ND	ND
MW-5	Jul-97	NT	NT	NT	NT	NT	427	0.041	4.34D	0	0	65	0.7	10	0.4	4.62	ND	0.013
MW-6	Jun-97	14.7	6.86	985	3.76	225	416.5	0.005	0	0.6	0.002	85	0.22	10	0	ND	ND	ND
MW-8	Jun-97	14.6	7.06	763	1.36	178.3	367.5	0.035	0.13	0	0	55	0.23	10	0	ND	ND	ND
MW-9	Jun-97	14.5	6.67	1340	0.59	-4.8	493.5	0.015	0.32	0.2	0.001	90	0.93	15	0.8	0.004	ND	ND
MW-10	Jun-97	13.7	6.74	880	0.66	-59.4	374.5	0	1.36	0.1	0	60	0.36	15	0.1	0.112	ND	0.002
MW-11	Jun-97	14.6	6.81	860	0.66	195.5	357	0.001	0	0.3	0.004	70	0.03	10	0.1	0.005	ND	ND
MW-12	Jun-97	14.7	6.26	910	1.36	218.1	409.5	0.001	0	0.3	0.002	65	1.5	15	0.1	0.001	ND	ND
MW101D	Jul-97	13.2	6.88	903	0.74	-56.8	353.5	0.002	1.95	0.3	0	40	0.8	15	0.1	0.37	ND	ND
MW101S	Jul-97	14.8	7.23	929	1.06	-111.8	378	0.008	4.16D	0	0	50	0.35	10	0	0.635	ND	ND
MW102D	Jul-97	13	7.03	963	0.75	-77.7	388.5	0.006	3.1	0.3	0	55	0.25	15	0.1	0.217	ND	ND
MW102S	Jul-97	13.1	7.06	897	1.02	-74.2	388.5	0	5.1	0.2	0	55	0.2	10	0.7	1.16	ND	0.001
MW103D	Jul-97	13.3	6.93	938	0.76	9.9	395.5	0.04	2.22	0.4	0.002	30	0.5	20	0.2	0.089	ND	ND
MW103S	Jul-97	14	7.1	746	0.87	-11.9	311.5	0.002	1.61	0.4	0.002	35	0.13	10	0.3	0.01	ND	ND
MW104D	Jul-97	13	6.96	869	0.75	-36.4	395.5	0.001	1.52	0.3	0.002	20	0.06	15	0.2	0.112	ND	ND
MW105D	Jul-97	15.6	7.07	872	0.87	-51.9	360.5	0.006	2.57	0.3	0.001	50	0.16	10	0.2	0.045	ND	ND
MW105S	Jul-97	14.6	7.24	871	0.79	-61.8	385	0.01	2.35	0.3	0	55	0.12	15	0.2	0.239	ND	ND
MW106D	Jul-97	12.9	6.94	898	0.81	-24.4	406	0	1.19	0.3	0.001	55	0.15	15	0.3	0.066	0.002	ND

NT = sample not taken

APPENDIX C-6

SOIL GAS ANALYTICAL RESULTS, AUGUST 1997

@AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 9708158

Work Order Summary

CLIENT: Mr. Stanley Arnold
IT Corporation
304 Directors Drive
Knoxville, TN 37923

BILL TO: Same

PHONE: 423-690-3211
FAX: 423-690-3626
DATE RECEIVED: 8/12/97
DATE COMPLETED: 8/20/97

P.O. # 74130
PROJECT # 762790

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VWMP1D	TO-14	1.5 "Hg
02A	VWMP1S	TO-14	0.5 "Hg
03A	VWMP2D	TO-14	1.0 "Hg
04A	VWMP2S	TO-14	0.5 "Hg
05A	VWMP3D	TO-14	0.5 "Hg
06A	VWMP3S	TO-14	0.5 "Hg
07A	VWMPDUP	TO-14	1.0 "Hg
08A	SWVZ4	TO-14	1.5 "Hg
09A	Lab Blank	TO-14	NA
09B	Lab Blank	TO-14	NA

CERTIFIED BY: _____ for
Laboratory Director

DATE: 8/20/97

Certification numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA 95630
(916) 985-1000 • (800) 985-5955 • FAX (916) 985-1020

AIR TOXICS LTD.

SAMPLE NAME : VWMPID

ID#: 9708158-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1081612	Date of Collection: 8/ 7/97
Dil. Factor:	532	Date of Analysis: 8/16/97

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	270	Not Detected
Freon 114	270	Not Detected
Chloromethane	270	Not Detected
Vinyl Chloride	270	Not Detected
Bromomethane	270	Not Detected
Chloroethane	270	Not Detected
Freon 11	270	Not Detected
1,1-Dichloroethene	270	Not Detected
Freon 113	270	Not Detected
Methylene Chloride	270	Not Detected
1,1-Dichloroethane	270	Not Detected
cis-1,2-Dichloroethene	270	Not Detected
Chloroform	270	Not Detected
1,1,1-Trichloroethane	270	Not Detected
Carbon Tetrachloride	270	Not Detected
Benzene	270	Not Detected
1,2-Dichloroethane	270	Not Detected
Trichloroethene	270	Not Detected
1,2-Dichloropropane	270	Not Detected
cis-1,3-Dichloropropene	270	Not Detected
Toluene	270	Not Detected
trans-1,3-Dichloropropene	270	Not Detected
1,1,2-Trichloroethane	270	Not Detected
Tetrachloroethene	270	Not Detected
Ethylene Dibromide	270	Not Detected
Chlorobenzene	270	Not Detected
Ethyl Benzene	270	61000
m,p-Xylene	270	150000
o-Xylene	270	7500
Styrene	270	Not Detected
1,1,2,2-Tetrachloroethane	270	Not Detected
1,3,5-Trimethylbenzene	270	Not Detected
1,2,4-Trimethylbenzene	270	Not Detected
1,3-Dichlorobenzene	270	Not Detected
1,4-Dichlorobenzene	270	Not Detected
Chlorotoluene	270	Not Detected
1,2-Dichlorobenzene	270	Not Detected
1,2,4-Trichlorobenzene	270	Not Detected
Hexachlorobutadiene	270	Not Detected
Propylene	1100	Not Detected
1,3-Butadiene	1100	Not Detected
Acetone	1100	Not Detected
Carbon Disulfide	1100	Not Detected
2-Propanol	1100	Not Detected
trans-1,2-Dichloroethene	1100	Not Detected
Vinyl Acetate	1100	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMPID

ID#: 9708158-01A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	1081612	**Date of Collection:**	8/ 7/97
Dil. Factor:	532	**Date of Analysis:**	8/16/97

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	1100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1100	Not Detected
Hexane	1100	Not Detected
Tetrahydrofuran	1100	4100
Cyclohexane	1100	Not Detected
1,4-Dioxane	1100	Not Detected
Bromodichloromethane	1100	Not Detected
4-Methyl-2-pentanone	1100	Not Detected
2-Hexanone	1100	Not Detected
Dibromochloromethane	1100	Not Detected
Bromoform	1100	Not Detected
4-Ethyltoluene	1100	Not Detected
Ethanol	1100	Not Detected
Methyl tert-Butyl Ether	1100	Not Detected
Heptane	1100	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.

SAMPLE NAME : VWMPIS

ID#: 9708158-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1981613**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**58.6**	**Date of Analysis:**	**8/16/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	29	Not Detected
Freon 114	29	Not Detected
Chloromethane	29	Not Detected
Vinyl Chloride	29	Not Detected
Bromomethane	29	Not Detected
Chloroethane	29	Not Detected
Freon 11	29	Not Detected
1,1-Dichloroethene	29	Not Detected
Freon 113	29	Not Detected
Methylene Chloride	29	42
1,1-Dichloroethane	29	Not Detected
cis-1,2-Dichloroethene	29	Not Detected
Chloroform	29	Not Detected
1,1,1-Trichloroethane	29	Not Detected
Carbon Tetrachloride	29	Not Detected
Benzene	29	Not Detected
1,2-Dichloroethane	29	Not Detected
Trichloroethene	29	Not Detected
1,2-Dichloropropane	29	Not Detected
cis-1,3-Dichloropropene	29	Not Detected
Toluene	29	41
trans-1,3-Dichloropropene	29	Not Detected
1,1,2-Trichloroethane	29	Not Detected
Tetrachloroethene	29	Not Detected
Ethylene Dibromide	29	Not Detected
Chlorobenzene	29	Not Detected
Ethyl Benzene	29	2700
m,p-Xylene	29	14000
o-Xylene	29	2500
Styrene	29	Not Detected
1,1,2,2-Tetrachloroethane	29	Not Detected
1,3,5-Trimethylbenzene	29	Not Detected
1,2,4-Trimethylbenzene	29	58
1,3-Dichlorobenzene	29	Not Detected
1,4-Dichlorobenzene	29	Not Detected
Chlorotoluene	29	Not Detected
1,2-Dichlorobenzene	29	Not Detected
1,2,4-Trichlorobenzene	29	Not Detected
Hexachlorobutadiene	29	Not Detected
Propylene	120	Not Detected
1,3-Butadiene	120	Not Detected
Acetone	120	5900
Carbon Disulfide	120	Not Detected
2-Propanol	120	240
trans-1,2-Dichloroethene	120	Not Detected
Vinyl Acetate	120	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMPIS

ID#: 9708158-02A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081613**	**Date of Collection: 8/ 7/97**	
Dil. Factor:	**58.6**	**Date of Analysis: 8/16/97**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	120	Not Detected
2-Butanone (Methyl Ethyl Ketone)	120	2400
Hexane	120	Not Detected
Tetrahydrofuran	120	1800
Cyclohexane	120	Not Detected
1,4-Dioxane	120	Not Detected
Bromodichloromethane	120	Not Detected
4-Methyl-2-pentanone	120	Not Detected
2-Hexanone	120	Not Detected
Dibromochloromethane	120	Not Detected
Bromoform	120	Not Detected
4-Ethyltoluene	120	Not Detected
Ethanol	120	300
Methyl tert-Butyl Ether	120	Not Detected
Heptane	120	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	114	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	99	70-130

AIR TOXICS LTD.

SAMPLE NAME : VWMP2D

ID#: 9708158-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081818**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**10.4**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	5.2	Not Detected
Freon 114	5.2	Not Detected
Chloromethane	5.2	Not Detected
Vinyl Chloride	5.2	Not Detected
Bromomethane	5.2	Not Detected
Chloroethane	5.2	Not Detected
Freon 11	5.2	Not Detected
1,1-Dichloroethene	5.2	Not Detected
Freon 113	5.2	Not Detected
Methylene Chloride	5.2	Not Detected
1,1-Dichloroethane	5.2	Not Detected
cis-1,2-Dichloroethene	5.2	Not Detected
Chloroform	5.2	Not Detected
1,1,1-Trichloroethane	5.2	Not Detected
Carbon Tetrachloride	5.2	Not Detected
Benzene	5.2	Not Detected
1,2-Dichloroethane	5.2	Not Detected
Trichloroethene	5.2	Not Detected
1,2-Dichloropropane	5.2	Not Detected
cis-1,3-Dichloropropene	5.2	Not Detected
Toluene	5.2	Not Detected
trans-1,3-Dichloropropene	5.2	Not Detected
1,1,2-Trichloroethane	5.2	Not Detected
Tetrachloroethene	5.2	Not Detected
Ethylene Dibromide	5.2	Not Detected
Chlorobenzene	5.2	Not Detected
Ethyl Benzene	5.2	460
m,p-Xylene	5.2	1400
o-Xylene	5.2	130
Styrene	5.2	Not Detected
1,1,2,2-Tetrachloroethane	5.2	Not Detected
1,3,5-Trimethylbenzene	5.2	Not Detected
1,2,4-Trimethylbenzene	5.2	11
1,3-Dichlorobenzene	5.2	Not Detected
1,4-Dichlorobenzene	5.2	Not Detected
Chlorotoluene	5.2	Not Detected
1,2-Dichlorobenzene	5.2	Not Detected
1,2,4-Trichlorobenzene	5.2	Not Detected
Hexachlorobutadiene	5.2	Not Detected
Propylene	21	Not Detected
1,3-Butadiene	21	Not Detected
Acetone	21	68
Carbon Disulfide	21	Not Detected
2-Propanol	21	Not Detected
trans-1,2-Dichloroethene	21	Not Detected
Vinyl Acetate	21	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMP2D

ID#: 9708158-03A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081818**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**10.4**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	21	Not Detected
2-Butanone (Methyl Ethyl Ketone)	21	680
Hexane	21	Not Detected
Tetrahydrofuran	21	1400
Cyclohexane	21	Not Detected
1,4-Dioxane	21	Not Detected
Bromodichloromethane	21	Not Detected
4-Methyl-2-pentanone	21	Not Detected
2-Hexanone	21	Not Detected
Dibromochloromethane	21	Not Detected
Bromoform	21	Not Detected
4-Ethyltoluene	21	Not Detected
Ethanol	21	Not Detected
Methyl tert-Butyl Ether	21	Not Detected
Heptane	21	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	94	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	120	70-130

AIR TOXICS LTD.

SAMPLE NAME : VWMP2S

ID#: 9708158-04A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081819**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**512**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	260	Not Detected
Freon 114	260	Not Detected
Chloromethane	260	Not Detected
Vinyl Chloride	260	Not Detected
Bromomethane	260	Not Detected
Chloroethane	260	Not Detected
Freon 11	260	Not Detected
1,1-Dichloroethene	260	Not Detected
Freon 113	260	Not Detected
Methylene Chloride	260	Not Detected
1,1-Dichloroethane	260	Not Detected
cis-1,2-Dichloroethene	260	Not Detected
Chloroform	260	Not Detected
1,1,1-Trichloroethane	260	Not Detected
Carbon Tetrachloride	260	Not Detected
Benzene	260	Not Detected
1,2-Dichloroethane	260	Not Detected
Trichloroethene	260	Not Detected
1,2-Dichloropropane	260	Not Detected
cis-1,3-Dichloropropene	260	Not Detected
Toluene	260	Not Detected
trans-1,3-Dichloropropene	260	Not Detected
1,1,2-Trichloroethane	260	Not Detected
Tetrachloroethene	260	Not Detected
Ethylene Dibromide	260	Not Detected
Chlorobenzene	260	Not Detected
Ethyl Benzene	260	4200
m,p-Xylene	260	14000
o-Xylene	260	660
Styrene	260	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected
1,3,5-Trimethylbenzene	260	Not Detected
1,2,4-Trimethylbenzene	260	Not Detected
1,3-Dichlorobenzene	260	Not Detected
1,4-Dichlorobenzene	260	Not Detected
Chlorotoluene	260	Not Detected
1,2-Dichlorobenzene	260	Not Detected
1,2,4-Trichlorobenzene	260	Not Detected
Hexachlorobutadiene	260	Not Detected
Propylene	1000	Not Detected
1,3-Butadiene	1000	Not Detected
Acetone	1000	Not Detected
Carbon Disulfide	1000	Not Detected
2-Propanol	1000	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected
Vinyl Acetate	1000	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMP2S

ID#: 9708158-04A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081819**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**512**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	1000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	22000
Hexane	1000	Not Detected
Tetrahydrofuran	1000	56000
Cyclohexane	1000	Not Detected
1,4-Dioxane	1000	Not Detected
Bromodichloromethane	1000	Not Detected
4-Methyl-2-pentanone	1000	Not Detected
2-Hexanone	1000	Not Detected
Dibromochloromethane	1000	Not Detected
Bromoform	1000	Not Detected
4-Ethyltoluene	1000	Not Detected
Ethanol	1000	Not Detected
Methyl tert-Butyl Ether	1000	Not Detected
Heptane	1000	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	107	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	109	70-130

AIR TOXICS LTD.

SAMPLE NAME : VWMP3D

ID#: 9708158-05A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081820**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**205**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	100	Not Detected
Freon 114	100	Not Detected
Chloromethane	100	Not Detected
Vinyl Chloride	100	Not Detected
Bromomethane	100	Not Detected
Chloroethane	100	Not Detected
Freon 11	100	Not Detected
1,1-Dichloroethene	100	Not Detected
Freon 113	100	Not Detected
Methylene Chloride	100	Not Detected
1,1-Dichloroethane	100	Not Detected
cis-1,2-Dichloroethene	100	Not Detected
Chloroform	100	Not Detected
1,1,1-Trichloroethane	100	Not Detected
Carbon Tetrachloride	100	Not Detected
Benzene	100	Not Detected
1,2-Dichloroethane	100	Not Detected
Trichloroethene	100	Not Detected
1,2-Dichloropropane	100	Not Detected
cis-1,3-Dichloropropene	100	Not Detected
Toluene	100	Not Detected
trans-1,3-Dichloropropene	100	Not Detected
1,1,2-Trichloroethane	100	Not Detected
Tetrachloroethene	100	Not Detected
Ethylene Dibromide	100	Not Detected
Chlorobenzene	100	Not Detected
Ethyl Benzene	100	660
m,p-Xylene	100	2600
o-Xylene	100	160
Styrene	100	Not Detected
1,1,2,2-Tetrachloroethane	100	Not Detected
1,3,5-Trimethylbenzene	100	Not Detected
1,2,4-Trimethylbenzene	100	Not Detected
1,3-Dichlorobenzene	100	Not Detected
1,4-Dichlorobenzene	100	Not Detected
Chlorotoluene	100	Not Detected
1,2-Dichlorobenzene	100	Not Detected
1,2,4-Trichlorobenzene	100	Not Detected
Hexachlorobutadiene	100	Not Detected
Propylene	410	Not Detected
1,3-Butadiene	410	Not Detected
Acetone	410	Not Detected
Carbon Disulfide	410	Not Detected
2-Propanol	410	Not Detected
trans-1,2-Dichloroethene	410	Not Detected
Vinyl Acetate	410	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMP3D

ID#: 9708158-05A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081820**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**205**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	410	Not Detected
2-Butanone (Methyl Ethyl Ketone)	410	3400
Hexane	410	Not Detected
Tetrahydrofuran	410	16000
Cyclohexane	410	Not Detected
1,4-Dioxane	410	Not Detected
Bromodichloromethane	410	Not Detected
4-Methyl-2-pentanone	410	Not Detected
2-Hexanone	410	Not Detected
Dibromochloromethane	410	Not Detected
Bromoform	410	Not Detected
4-Ethyltoluene	410	Not Detected
Ethanol	410	Not Detected
Methyl tert-Butyl Ether	410	Not Detected
Heptane	410	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	104	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	115	70-130

AIR TOXICS LTD.

SAMPLE NAME : VWMP3S

ID#: 9708158-06A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081821**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**512**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	260	Not Detected
Freon 114	260	Not Detected
Chloromethane	260	Not Detected
Vinyl Chloride	260	Not Detected
Bromomethane	260	Not Detected
Chloroethane	260	Not Detected
Freon 11	260	Not Detected
1,1-Dichloroethene	260	Not Detected
Freon 113	260	Not Detected
Methylene Chloride	260	Not Detected
1,1-Dichloroethane	260	Not Detected
cis-1,2-Dichloroethene	260	Not Detected
Chloroform	260	Not Detected
1,1,1-Trichloroethane	260	Not Detected
Carbon Tetrachloride	260	Not Detected
Benzene	260	Not Detected
1,2-Dichloroethane	260	Not Detected
Trichloroethene	260	Not Detected
1,2-Dichloropropane	260	Not Detected
cis-1,3-Dichloropropene	260	Not Detected
Toluene	260	Not Detected
trans-1,3-Dichloropropene	260	Not Detected
1,1,2-Trichloroethane	260	Not Detected
Tetrachloroethene	260	Not Detected
Ethylene Dibromide	260	Not Detected
Chlorobenzene	260	Not Detected
Ethyl Benzene	260	1800
m,p-Xylene	260	6100
o-Xylene	260	270
Styrene	260	Not Detected
1,1,2,2-Tetrachloroethane	260	Not Detected
1,3,5-Trimethylbenzene	260	Not Detected
1,2,4-Trimethylbenzene	260	Not Detected
1,3-Dichlorobenzene	260	Not Detected
1,4-Dichlorobenzene	260	Not Detected
Chlorotoluene	260	Not Detected
1,2-Dichlorobenzene	260	Not Detected
1,2,4-Trichlorobenzene	260	Not Detected
Hexachlorobutadiene	260	Not Detected
Propylene	1000	Not Detected
1,3-Butadiene	1000	Not Detected
Acetone	1000	Not Detected
Carbon Disulfide	1000	Not Detected
2-Propanol	1000	Not Detected
trans-1,2-Dichloroethene	1000	Not Detected
Vinyl Acetate	1000	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMP3S

ID#: 9708158-06A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081821**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**512**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	1000	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1000	10000
Hexane	1000	Not Detected
Tetrahydrofuran	1000	76000
Cyclohexane	1000	Not Detected
1,4-Dioxane	1000	Not Detected
Bromodichloromethane	1000	Not Detected
4-Methyl-2-pentanone	1000	Not Detected
2-Hexanone	1000	Not Detected
Dibromochloromethane	1000	Not Detected
Bromoform	1000	Not Detected
4-Ethyltoluene	1000	Not Detected
Ethanol	1000	Not Detected
Methyl tert-Butyl Ether	1000	Not Detected
Heptane	1000	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	96	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	112	70-130

AIR TOXICS LTD.

SAMPLE NAME : VWMPDUP

ID#: 9708158-07A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081822**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**52.2**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	26	Not Detected
Freon 114	26	Not Detected
Chloromethane	26	Not Detected
Vinyl Chloride	26	Not Detected
Bromomethane	26	Not Detected
Chloroethane	26	Not Detected
Freon 11	26	Not Detected
1,1-Dichloroethene	26	Not Detected
Freon 113	26	Not Detected
Methylene Chloride	26	38
1,1-Dichloroethane	26	Not Detected
cis-1,2-Dichloroethene	26	Not Detected
Chloroform	26	Not Detected
1,1,1-Trichloroethane	26	Not Detected
Carbon Tetrachloride	26	Not Detected
Benzene	26	Not Detected
1,2-Dichloroethane	26	Not Detected
Trichloroethene	26	Not Detected
1,2-Dichloropropane	26	Not Detected
cis-1,3-Dichloropropene	26	Not Detected
Toluene	26	31
trans-1,3-Dichloropropene	26	Not Detected
1,1,2-Trichloroethane	26	Not Detected
Tetrachloroethene	26	Not Detected
Ethylene Dibromide	26	Not Detected
Chlorobenzene	26	Not Detected
Ethyl Benzene	26	2100
m,p-Xylene	26	7100
o-Xylene	26	2200
Styrene	26	Not Detected
1,1,2,2-Tetrachloroethane	26	Not Detected
1,3,5-Trimethylbenzene	26	Not Detected
1,2,4-Trimethylbenzene	26	39
1,3-Dichlorobenzene	26	Not Detected
1,4-Dichlorobenzene	26	Not Detected
Chlorotoluene	26	Not Detected
1,2-Dichlorobenzene	26	Not Detected
1,2,4-Trichlorobenzene	26	Not Detected
Hexachlorobutadiene	26	Not Detected
Propylene	100	Not Detected
1,3-Butadiene	100	Not Detected
Acetone	100	5500
Carbon Disulfide	100	Not Detected
2-Propanol	100	180
trans-1,2-Dichloroethene	100	Not Detected
Vinyl Acetate	100	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : VWMPDUP

ID#: 9708158-07A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081822**	**Date of Collection:**	**8/ 7/97**
Dil. Factor:	**52.2**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	100	Not Detected
2-Butanone (Methyl Ethyl Ketone)	100	2000
Hexane	100	Not Detected
Tetrahydrofuran	100	1100
Cyclohexane	100	Not Detected
1,4-Dioxane	100	Not Detected
Bromodichloromethane	100	Not Detected
4-Methyl-2-pentanone	100	Not Detected
2-Hexanone	100	Not Detected
Dibromochloromethane	100	Not Detected
Bromoform	100	Not Detected
4-Ethyltoluene	100	Not Detected
Ethanol	100	130
Methyl tert-Butyl Ether	100	Not Detected
Heptane	100	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	95	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	114	70-130

AIR TOXICS LTD.

SAMPLE NAME : SWVZ4

ID#: 9708158-08A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081817**	**Date of Collection:**	**8/11/97**
Dil. Factor:	**8.52**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	4.3	Not Detected
Freon 114	4.3	Not Detected
Chloromethane	4.3	Not Detected
Vinyl Chloride	4.3	Not Detected
Bromomethane	4.3	Not Detected
Chloroethane	4.3	Not Detected
Freon 11	4.3	Not Detected
1,1-Dichloroethene	4.3	Not Detected
Freon 113	4.3	Not Detected
Methylene Chloride	4.3	Not Detected
1,1-Dichloroethane	4.3	Not Detected
cis-1,2-Dichloroethene	4.3	4.7
Chloroform	4.3	Not Detected
1,1,1-Trichloroethane	4.3	Not Detected
Carbon Tetrachloride	4.3	Not Detected
Benzene	4.3	Not Detected
1,2-Dichloroethane	4.3	Not Detected
Trichloroethene	4.3	Not Detected
1,2-Dichloropropane	4.3	Not Detected
cis-1,3-Dichloropropene	4.3	Not Detected
Toluene	4.3	Not Detected
trans-1,3-Dichloropropene	4.3	Not Detected
1,1,2-Trichloroethane	4.3	Not Detected
Tetrachloroethene	4.3	Not Detected
Ethylene Dibromide	4.3	Not Detected
Chlorobenzene	4.3	Not Detected
Ethyl Benzene	4.3	17
m,p-Xylene	4.3	66
o-Xylene	4.3	5.5
Styrene	4.3	Not Detected
1,1,2,2-Tetrachloroethane	4.3	4.7
1,3,5-Trimethylbenzene	4.3	Not Detected
1,2,4-Trimethylbenzene	4.3	Not Detected
1,3-Dichlorobenzene	4.3	Not Detected
1,4-Dichlorobenzene	4.3	Not Detected
Chlorotoluene	4.3	Not Detected
1,2-Dichlorobenzene	4.3	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected
Hexachlorobutadiene	4.3	Not Detected
Propylene	17	Not Detected
1,3-Butadiene	17	Not Detected
Acetone	17	Not Detected
Carbon Disulfide	17	Not Detected
2-Propanol	17	Not Detected
trans-1,2-Dichloroethene	17	Not Detected
Vinyl Acetate	17	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : SWVZ4

ID#: 9708158-08A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081817**	**Date of Collection:**	**8/11/97**
Dil. Factor:	**8.52**	**Date of Analysis:**	**8/18/97**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	17	Not Detected
2-Butanone (Methyl Ethyl Ketone)	17	Not Detected
Hexane	17	Not Detected
Tetrahydrofuran	17	370
Cyclohexane	17	Not Detected
1,4-Dioxane	17	Not Detected
Bromodichloromethane	17	Not Detected
4-Methyl-2-pentanone	17	Not Detected
2-Hexanone	17	Not Detected
Dibromochloromethane	17	Not Detected
Bromoform	17	Not Detected
4-Ethyltoluene	17	Not Detected
Ethanol	17	Not Detected
Methyl tert-Butyl Ether	17	Not Detected
Heptane	17	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Octafluorotoluene	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	122	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 9708158-09A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/97**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	0.50	Not Detected
Freon 114	0.50	Not Detected
Chloromethane	0.50	Not Detected
Vinyl Chloride	0.50	Not Detected
Bromomethane	0.50	Not Detected
Chloroethane	0.50	Not Detected
Freon 11	0.50	Not Detected
1,1-Dichloroethene	0.50	Not Detected
Freon 113	0.50	Not Detected
Methylene Chloride	0.50	Not Detected
1,1-Dichloroethane	0.50	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected
Chloroform	0.50	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected
Carbon Tetrachloride	0.50	Not Detected
Benzene	0.50	Not Detected
1,2-Dichloroethane	0.50	Not Detected
Trichloroethene	0.50	Not Detected
1,2-Dichloropropane	0.50	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected
Toluene	0.50	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected
Tetrachloroethene	0.50	Not Detected
Ethylene Dibromide	0.50	Not Detected
Chlorobenzene	0.50	Not Detected
Ethyl Benzene	0.50	Not Detected
m,p-Xylene	0.50	Not Detected
o-Xylene	0.50	Not Detected
Styrene	0.50	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected
Chlorotoluene	0.50	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected
Hexachlorobutadiene	0.50	Not Detected
Propylene	2.0	Not Detected
1,3-Butadiene	2.0	Not Detected
Acetone	2.0	Not Detected
Carbon Disulfide	2.0	Not Detected
2-Propanol	2.0	Not Detected
trans-1,2-Dichloroethene	2.0	Not Detected
Vinyl Acetate	2.0	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 9708158-09A

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/97**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected
Hexane	2.0	Not Detected
Tetrahydrofuran	2.0	Not Detected
Cyclohexane	2.0	Not Detected
1,4-Dioxane	2.0	Not Detected
Bromodichloromethane	2.0	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected
2-Hexanone	2.0	Not Detected
Dibromochloromethane	2.0	Not Detected
Bromoform	2.0	Not Detected
4-Ethyltoluene	2.0	Not Detected
Ethanol	2.0	Not Detected
Methyl tert-Butyl Ether	2.0	Not Detected
Heptane	2.0	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
Octafluorotoluene	116	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 9708158-09B

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/18/97**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Freon 12	0.50	Not Detected
Freon 114	0.50	Not Detected
Chloromethane	0.50	Not Detected
Vinyl Chloride	0.50	Not Detected
Bromomethane	0.50	Not Detected
Chloroethane	0.50	Not Detected
Freon 11	0.50	Not Detected
1,1-Dichloroethene	0.50	Not Detected
Freon 113	0.50	Not Detected
Methylene Chloride	0.50	Not Detected
1,1-Dichloroethane	0.50	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected
Chloroform	0.50	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected
Carbon Tetrachloride	0.50	Not Detected
Benzene	0.50	Not Detected
1,2-Dichloroethane	0.50	Not Detected
Trichloroethene	0.50	Not Detected
1,2-Dichloropropane	0.50	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected
Toluene	0.50	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected
Tetrachloroethene	0.50	Not Detected
Ethylene Dibromide	0.50	Not Detected
Chlorobenzene	0.50	Not Detected
Ethyl Benzene	0.50	Not Detected
m,p-Xylene	0.50	Not Detected
o-Xylene	0.50	Not Detected
Styrene	0.50	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected
Chlorotoluene	0.50	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected
Hexachlorobutadiene	0.50	Not Detected
Propylene	2.0	Not Detected
1,3-Butadiene	2.0	Not Detected
Acetone	2.0	Not Detected
Carbon Disulfide	2.0	Not Detected
2-Propanol	2.0	Not Detected
trans-1,2-Dichloroethene	2.0	Not Detected
Vinyl Acetate	2.0	Not Detected

AIR TOXICS LTD.

SAMPLE NAME : Lab Blank

ID#: 9708158-09B

EPA METHOD TO-14 GC/MS Full Scan

File Name:	**1081805**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/18/97**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Chloroprene	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected
Hexane	2.0	Not Detected
Tetrahydrofuran	2.0	Not Detected
Cyclohexane	2.0	Not Detected
1,4-Dioxane	2.0	Not Detected
Bromodichloromethane	2.0	Not Detected
4-Methyl-2-pentanone	2.0	Not Detected
2-Hexanone	2.0	Not Detected
Dibromochloromethane	2.0	Not Detected
Bromoform	2.0	Not Detected
4-Ethyltoluene	2.0	Not Detected
Ethanol	2.0	Not Detected
Methyl tert-Butyl Ether	2.0	Not Detected
Heptane	2.0	Not Detected

Container Type: NA

Surrogates	% Recovery	Method Limits
Octafluorotoluene	94	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130

AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX: (916) 985-1020

CHAIN-OF-CUSTODY RECORD

No 11803

Page 1 of 1

Contact Person: Karl Van Keuren
Company: IT Corp
Address: 11499 Chester Rd City: Cincinnati State: OH Zip: 45246
Phone: 513-782-4700 FAX: 513-782-4663
Collected By: Signature: Karl Van Keuren

Project info:
P.O. #
Project # 762970
Project Name: RANGB

Turn Around Time:
☒ Normal
☐ Rush ____ Specify

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
01A	VWMP1D	8/7/97 1430	TO-14			11.5"Hg
02A	VWMP1S	8/7/97 1500				0.5"Hg
03A	VWMP2D	8/7/97 1515				1.0"Hg
04A	VWMP2S	8/7/97 1615				0.5"Hg
05A	VWMP3D	8/7/97 1637				0.5"Hg
06A	VWMP3S	8/7/97 1720				0.5"Hg
07A	VWMPDUP	8/7/97 1733				1.0"Hg
08A	SWVZ4	8/11/97 1230				1.5"Hg
						8/13/97

Relinquished By: (Signature) Date/Time: 8/11/97 1530 Print Name: Karl Van Keuren
Received By: (Signature) Date/Time: 8/12/97 1052
Relinquished By: (Signature) Date/Time
Received By: (Signature) Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Date/Time	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	4013152651		8/12/97 1052	Ambient	Good	Yes No (None) N/A	

Form 1293 rev. 06

APPENDIX D

SOIL BORING LOGS AND WELL INSTALLATION DIAGRAMS

APPENDIX D-1

SOIL BORING LOGS, WELL INSTALLATION DIAGRAMS, AND CPT/LIF DATA SHEETS, 1988-1995

ENGINEERING SCIENCE
DRILLING RECORD

DRILLER BOWSER MORKER
INSPECTOR CHRIS VIANI
METHOD HOLLOW STEM AUGERING
RIG TYPE

WL	10.40'	10.70'	TDC
DATE	9/16/88	9/19/88	
TIME	1205	1304	

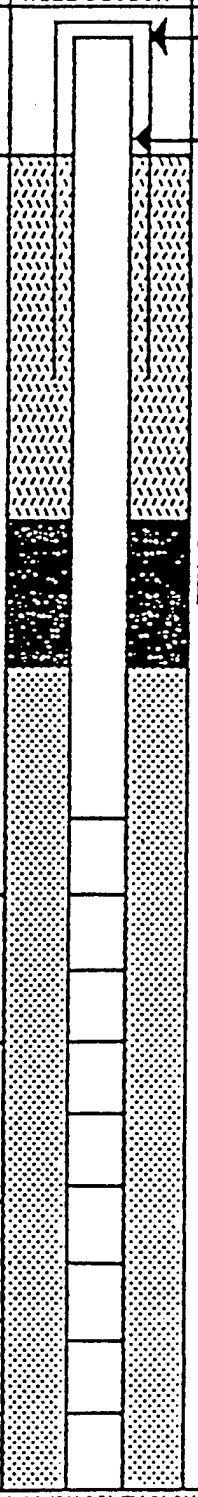
PROJECT RICKENBACKER ANGB
PROJECT NO CL115.13
WEATHER
START 7/19/88 1400
FINISH 7/20/88 1130

BORING NO RB-01-MW1
SHEET 1 OF 2
LOCATION 75FT E OF BLDG 560 INSIDE FENCED AREA

PLOT PLAN

PHOTOVAC	DEPTH	% RECOVERY	SPT	USCS	SOIL DESCRIPTION
			SS		
	0				
27		65	12	CL	BRN, SILTY CLAY W/TRACE OF GRAVEL, SAMP. DRY
			48		
			52		
58	2	65	12		DAMP
			12		
			9		
53		35	5		
	4		6		
			9		
16		100	7		MOIST
			12		
	6		12		
900		100	6		MOTTLED, (BRN-RED BRN-GRY) W/SOME GRAVEL, SAMP. HAS SLIGHT HYDROCARBON ODOR
			8		
			12		
1100	8	100	5		BRN, NO MOTTLING, VY MOIST
			9		
			13		
800		100	10		
	10		10		
			13	CH	BRN-GRY, SANDY SILTY CLAY W/SOME GRAVEL, SAMP. VY MOIST
560		100	5		
			9		
	12		14		
1130		100	6	CL	BRN, SILTY CLAY W/SOME SAND AND GRAVEL, SAMP. VY MOIST
SS1			9		
			10		
1200	14	80	6		
SS2			17	SW	GRY-WHT, F-MED SAND, SAMP. WET AND HAS SHEEN ON WATER
			14		
400		100	19		
	16		18	SW	RED BRN, GRAVELLY CO. SAND, SAMP. WET
			27		
340		100	14		
			26	SW	GRY-WHT, MED. SAND, SAMP. WET
	18		30		

WELL DESIGN



COMMENTS

STANDARD PENETRATION TEST
SS = SPLIT SPOON R = RUGER CUTTINGS C = CORED

SUMMARY 0-10 SILTY CLAY SOME GRAVEL 10-12 SANDY SILTY CLAY SOME GRAVEL 12-14.3 SILTY CLAY SOME SAND AND GRAVEL 14.3-19.5 SAND

DRILLER BOWSER MORROW
INSPECTOR CHRIS VIANI
METHOD HOLLOW STEM AUGERING
RIG TYPE

WL			
DATE			
TIME			

ENGINEERING SCIENCE
DRILLING RECORD

PROJECT RICKENBACKER ANGB
PROJECT NO CL115.13
WEATHER
START
FINISH

BORING NO RB-01-MW1
SHEET 2 OF 2
LOCATION

PLOT PLAN

PHOTOVAC	DEPTH	% RECOVERY	SPT	USCS	SOIL DESCRIPTION	WELL DESIGN	COMMENTS
100	18	100	10	SW	RED-BRN, SAME AS ABOVE, SAMP. WET		WELL BOTTOM 19FT
			18				
			24	SW	GRY, CO. SAND W/SOME GRAVEL, SAMP. WET		
	20						
					BORING AUGERED TO 20FT		

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY

ENGINEERING SCIENCE
DRILLING RECORD

DRILLER ROGER WORKER
INSPECTOR CHRIS VIANI
METHOD HOLLOW STEM AUGERING
RIG TYPE

GL	10.59'	TOC	
DATE	9/19/88		
TIME	1459		

PROJECT RICKENBACKER ANGB
PROJECT NO CL115.13
WEATHER
START 7/29/88 0815
FINISH 7/29/88 1000

BORING NO RB-01-MW2
SHEET 1 OF 1
LOCATION NEXT TO PUMPS ON NE MARGIN OF BLDG 560 GROUNDS
PLOT PLAN

PHOTOVAC	DEPTH	RECOVERY	SPT	USCS	SOIL DESCRIPTION	WELL DESIGN	COMMENTS
			SS				PROTECTIVE CASING AND LOCK
	0						2FT STICK-UP
0		75	8	CL	BRN, SILTY CLAY W/TRACE OF SAND AND GRAVEL, SAMP. MOIST		2IN. DIA PVC
SS1			9				RISER
SS2			7				
	2		10				CEMENT/ BENTONITE GROUT
2		75	5				
SS1			6				
SS2			6				2FT BENTONITE PELLET SEAL
	4		5		← GRY		
2		100	4		← BRN		
SS3			3				
			6				
	6		2				SAND PACK
NA		NONE	7		NO RECOVERY		
			7				
			10				10FT WELL SCREEN
	8		11				
0		100	5	CL	SAME AS ABOVE, SAMP. VY MOIST		
			8				
			8				
	10		16				
0		100	11				
			21				
			27				
	12		28				
0		75	6				
			11				
			12				
	14		13				
					BORING AUGERED TO 15FT		WELL BOTTOM 15FT
	16						
	18						

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 0-14 SILTY CLAY TRACE OF SAND AND GRAVEL

ENGINEERING SCIENCE
DRILLING RECORD

DRILLER ROUSER MOORER
INSPECTOR MARK J SCHMACKER
METHOD HOLLOW STEM AUGERING
RIG TYPE

WL	10.87'	TOC	
DATE	8/19/88		
TIME	1345		

PROJECT RICKENBACKER ANGB
PROJECT NO C1115.13

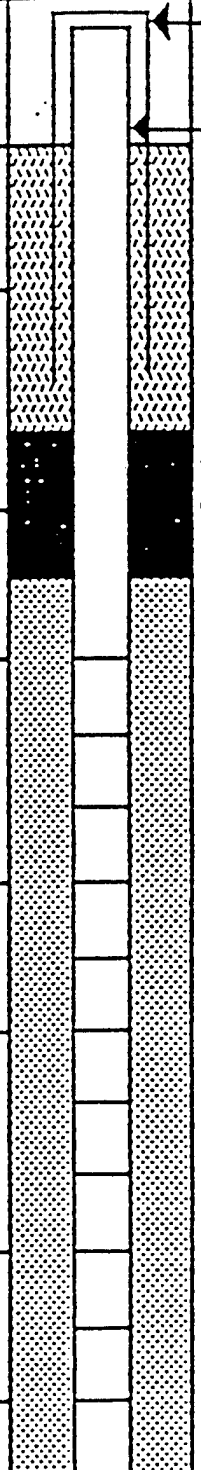
WEATHER 90 + HAZY
START 8/10/88 1305
FINISH 8/10/88 1600

BORING NO RB-01-MW3
SHEET 1 OF 1
LOCATION ADJACENT TO BLDG 550

PLOT PLAN

PHOTOVAC	DEPTH	% RECOVERY	SPT	USCS	SOIL DESCRIPTION
			SS		
	0				
10		100	8	OL	BRN, SILT W/LITTLE PEBBLES AND TRACE OF CLAY,
SS1			12		SAMP. MOTTLED FROM 1.0 - 2.0FT, DRY
			11		
	2		8		
					NOT SAMPLED
	4				
8.0		75	5	ML	BRN, CLAYEY SILT W/SOME PEBBLES AND TRACE OF SAND
SS2	6		5		SAMP. MOIST AND PLASTIC
			5		
			7		
					NOT SAMPLED
	8				
	10				
4.0		40	3	ML	SAME AS ABOVE
			4		
			4		
	12		5		
					NOT SAMPLED
	14				
5.0		100	15	SW	BRN, F. - MED SAND W/SOME MED. GRAVEL, SAMP. WET
	16		32		
			35		
			32		
					BORING AUGERED TO 19FT, THEN BACKFILLED TO 18FT
	18				

WELL DESIGN



COMMENTS

STANDARD PENETRATION TEST
SS = SPLIT SPOON A = AUGER CUTTINGS C = CORED

SUMMARY 0-2 SILT LITTLE PEBBLE, 5-7 CLAYEY SILT SOME PEBBLES, 10-12 SAME, 15-17 SAND AND GRAVEL

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-AB1		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL45J.03	Client/Project: RANGB/Hazardous Waste Storage Area		Driller: D Wright
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J Mathes & Assoc		Borehole dia(s): 6"
Drlg Started: 1/22/90 (10:00 a.m)	Drlg Ended: 1/22/90 (10:30 a.m)		CME 75TA
Drlg Method/Rig Type: Hollow stem auger + Spl.t spoon			Protection Level: D
Logged by: G.O. Carpenter	E-Log (Y/N) From ____ to ____		

Depth (ft)	Sample	Sample No. Lab Anal. (Y/N) Matrix	Recovery (ft)	hdsp (ppm) (%)	USCS	Lithologic Description	Blows/6 inch. Graphic Log Well data	Water depth & Remarks	Elev (ft)
5	3-5'	Y/N/N	3.5	0	70	CLAY	light to medium brown, silty, w/ pebbles (10%) No odors.	SWSS	
10	8-10'	Y/N/N	1.6	0	70	CLAY	medium to dark brown, silty, to 9.5'. Light to medium gray, silty from 9.5' to 10'. No odors. Moist.	3 5 5 6	
15									
20									
25									
30									
	A	B C D E F G	H				I J K L	M	N

TD = 10'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring
O = Other
Notes:

Field G/C (Make/Mod.)
G/C Oper.:

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: KB-HW-AB2		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB/Hazardous Waste Storage Area		Driller: D Wright
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J. Mathes & Assoc		Borehole dia(s): 6"
Drlg Started: 1/22/90 (15:00 p m)	Drlg Ended: 1/22/90 (15:30 p m)		
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75 TA			Protection Level: D
Logged by: GO Carpenter	E-Log (Y (N) From ____ to ____		

Depth (ft)	Sample No.	Sample Lab Anal. (Y/N)	Micro-Vip ppm	Recovery (%)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3:5'	Y/SSL	35.1	0	70	CLAY medium to dark brown, silty. No odors.		3 4 6			
10	8:10'	Y/SSL	12.1	0	70	CLAY light to medium gray, silty. No odors. Moist.		2 5 7 7			
15											
20											
25											
30											

TD = 10'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings

R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-AB3	Page 1 of 1
Installation: Rickenbacker ANGB	Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB/Hazardous Waste Storage Area	
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J Mathes & Assoc	Driller: D Wright
Drlg Started: 1/23/90 (8:45 am)	Drlg Ended: 1/23/90 (9:00 am)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75TA		
Logged by: G.D. Carpenter	E-Log (Y/(N)) From ____ to ____	Protection Level: D

Depth (ft)	Sample No.	Sample Lab Anal. (Y)(N)	Recovery (in)	Blow counts (hand / hosp)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	#1-5'	Y/Y	70.5	0	70	CLAY	medium brown, sandy Hydrocarbon staining. Strong odors.		2-2-1		
10	#2-10'	Y/Y	46.3	0	70	CLAY	light to medium gray, silty. No odors. Moist.		3-4-6		
15											
20											
25											
30							TD = 10'				

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Moke/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RR-HW-AR4		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-J INC	Drlg Contractor: J. Mathes & Assoc	Driller: O. Wright	
Drlg Started: 1/23/90 (13:20 pm)	Drlg Ended: 1/23/90 (13:50 pm)	Borehole dia(s): 6"	
Drlg Method/Rig Type: Hollow-stem auger / Split spoon / CME 75 TA			
Logged by: G.O. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D	

Depth (ft)	Sample	Sample No. / Lab Anal. (Y/N)	Recovery (in/%)	USCS	Lithologic Description	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3'-5'	V/ VOA	35.0	CL	CLAY brown, silty. W/ concrete/rock debris. No odors.	8 1 4				
10	8'-10'	V/ VOA	39.2	CL	CLAY gray, sandy. Black stained, hydrocarbons. Strong odor. Moist	1 5 3 6				
15										
20										
25										
30					TD = 10'					

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____
Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-AB5		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CC452.03	Client/Project: RANGB/Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J. Mathes & Assoc		Driller: D. Wright
Drlg Started: 1/22/90 (14:30 pm)	Drlg Ended: 1/22/90 (15:00 pm)		Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75 TA			
Logged by: G.D. Carpenter	E-Log (Y/N) From ____ to ____		Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y)(N)	Air Hose (ppm)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	S	3-5'	Y/SW	8.5	0	70	CLAY light to medium brown, silty, w/ pebbles (10%). No odors.		5 7 7 12			
10	S	8-10'	Y/SW	11.9	0	70	CLAY light to medium gray, silty, trace sand (<10%). No odors. Moist		2 2 3 6			
15												
20												
25												
30							TD = 10'					

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings

R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RA-HW-AB6		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSTA	
Project No.: C24S2.03	Client/Project: RANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc	Drlg Contractor: J. Mathes & Assoc		Driller: O. Wright
Drlg Started: 1/23/90 (11:00 a m)	Drlg Ended: 1/23/90 (11:30 a m)		Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75TA			Protection Level: D
Logged by: G.D. Carpenter	E-Log (Y/N) From ____ to ____		

Depth (ft)	Sample No.	Sample Lab Anal. (Y/N)	Recovery (in)	HNU (ppm)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3'-5'	Y/N	14.6	0	70	CLAY	brown, silty. W/ pebble debris (10%). No odors.		1 2 3 6		
10	7'-10'	Y/N	13.7	0	70	CLAY	brown to gray, sandy. No odors. Moist.		3 5 7 12		
15											
20											
25											
30							TD = 10'				

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RG-HW-ABT	Page 1 of 1
Installation: Rickenbacker ANGB	Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB / Hazardous Waste Storage Area	
HAZWRAP Contractor: E-J Inc.	Drlg Contractor: J. Mathes & Assoc.	Driller: D Wright
Drlg Started: 1/23/90 (14:00 ± m)	Drlg Ended: 1/23/90 (14:30 ± m)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75TA		
Logged by: G.O. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (in.)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	S	3'-5'	Y/SW2	15.0	0 70 CLAY medium brown, silty. No odors	CL	1 3 5				
10	S	8'-10'	Y/SW2	10.0	0 70 CLAY gray, sandy. No odors. Moist.	SC	2 4 5				
15											
20											
25											
30					TD = 10'						

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____
Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HLW-AB2		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HLWSA	
Project No.: CL452.03	Client/Project: RANGB/ Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J Mathes / Assoc	Driller: D Cwright	
Drlg Started: 1/22/90 (13:20 pm)	Drlg Ended: 1/22/90 (13:50 pm)	Borehole dia(s): 6"	
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75TA			
Logged by: GG. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D	

Depth (ft)	Sample No.	Sample Lab	Anal. (Y/N) Miscopic	Recovery (in)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	B-5'	Y/SSL	Y	5.7	0	70	CLAY	light to medium brown, silty, w/ pebbles (10%). No odors.		3 5 6 11		
10	B-10'	Y/SSL	Y	2.0	0	70	CLAY	medium to dark brown, silty, w/ pebbles (10%) No odors. Moist.		5 4 5 9		
15												
20												
25												
30												

TD = 10'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-AB9	Page 1 of 1
Installation: Rickenbacker ANGB	Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB/ Hazardous Waste Storage Area	
HAZWRAP Contractor: E-5 Inc	Drlg Contractor: J. Mathes & Assoc	Driller: D. Wright
Drlg Started: 1/23/90 (9:30 am)	Drlg Ended: 1/23/90 (9:45 am)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger / Spl. t spoon / CME 75 TA		
Logged by: G.D. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth	Remarks	Elev (ft)
5	3'-5'	V5352	1.36	0 70	CLAY medium brown, silty, w/ pebbles (10%). No odors.		1 3 2 4					
10	5'-10'	V5353	1.28	0 70	CLAY gray silty, w/ pebbles (10%). No odors. Moist		1 2 3 4					
15												
20												
25												
30					TD = 10'							

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-A10	Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA
Project No.: CC452.03	Client/Project: RANGB / Hazardous Waste Storage Area	
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J. Mathes & Assoc	Driller: O. Wright
Drlg Started: 1/23/90 (: m)	Drlg Ended: 1/23/90 (: m)	Borehole dia(s):
Drlg Method/Rig Type:		
Logged by: G.O. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (in)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5		3'-5'	Y/SVL	31.3	0	70	CLAY	medium brown, silty. No odors.		1 3 3 2		
10		8'-10'	Y/SVL	18+	0	70	CLAY	dark brown to gray, silty. No odors. Moist.		1 3 3 2		
15												
20												
25												
30								TD = 10'				

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RA-HGI-AB11	Page 1 of 1
Installation: Rickenbacker ANGB	Site: HGSA	
Project No.: 22452.03	Client/Project: RANGB/Hazardous Waste Site-Area A-cc	
HAZWRAP Contractor: E-C Inc	Drlg Contractor: T Mather Assoc	Driller: D Wright
Drlg Started: 1/26/90 (9:50 am)	Drlg Ended: 1/26/90 (11:20 am)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75TA		
Logged by: G.O. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Headspace (ppm)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev. (ft)
5	3-5'			0	70	CLAY brown, silty. No odors.		4 5 7 12				
10	8-10'			0	70	CLAY brown, silty. No odors.		4 6 8 10				
15	13-15'			0	70	CLAY brown, silty. W/ pebbles (10%). No odors. Moist.		5 7 9 12				
20	18-20'			0	70	Gravel - brown, sandy. No odors. Wet.		5 7 11 14				
25	23-25'			0	70	Gravel - brown, sandy. No odors. Wet. Gray silty clay @ 18.5' to 19.0'.		11 21 22 22				
30						Gravel - brown, sandy. to 19.5' Gray sandy gravel from 19.5' to 21'. No odors. Wet.		7 11 23 30				
						Gravel - brown, sandy. No odors. Wet.						
						TD = 23'						

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Moke/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: LB-HW-AG12		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB/Hazardous Waste Storage Area		Driller: A. Wright
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J. Mackes & Assoc.		Borehole dia(s): 6"
Drlg Started: 1/24/90 (9:10 a.m.)	Drlg Ended: 1/24/90 (10:30 a.m.)		
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75 TA			
Logged by: G.D. Carpenter	E-Log (Y/N)? From ____ to ____		Protection Level: D

Depth (ft)	Sample No.	Sample No. Lab	Anal. (Y/N)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3-5'	5.5'	8.5	0	CLAY medium brown, silty. W/ pebbles (10%). No odors.		2 2 10 10				
10	8-10'	10.5'	6.1	0	CLAY dark brown, sandy. Cinder/pebble debris (<10%). No odors. Moist		2 3 6 10				
15	13-15'	15.5'	9.8	0	CLAY brown, sandy. Hydrocarbon staining. Grayish sand from 14.5-15'. Fine to medium grained. Well sorted. Wet.		2 4 8 11				
	15-17'	17.5'	8.5	0	Sand - medium. Small gravel through out (50%). Hydrocarbon staining Slight odor. Wet.		3 7 11 12				
20	17-19'	19.5'	10.1	0	Sand - medium grained, sand/gravel to 18'. brown well sorted fine sand @ 12-18.5'. Gray silty clay @ 12.5-19'. No odors. Wet.		5 11 19 20				
	21-23'	23.5'	15.3	0	Gravel - sandy, from 19-20.5'. Brown well sorted fine sand, from 20.5' to 21'. No odors. Wet.		0 5 13 15				
25					Gravel - sandy, from 21-22.5'. Light gray hard clay. Wet. No odors.		5 16 20 24				
30					TO = 23'						

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring
O = Other
Notes:

Field G/C (Make/Mod.)
G/C Oper.:

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RR-HW-AR13	Page 1 of 1
Installation: Rickenbacker ANGB	Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB/ Hazardous Waste Storage Area	
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J Mathes & Assoc	Driller: S Wright
Drlg Started: 1/24/90 (13:00 pm)	Drlg Ended: 1/24/90 (14:20 pm)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75 TA		
Logged by: G.O. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (in)	Blow Counts (per 6")	USCS	Lithologic Description	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3.5'	3.5'	3.3	0	70	CLAY	medium brown, silty. Pebbles (10%) No odors.	2 4 5 6				
10	7.10'	7.10'	4.0	0	70	CLAY	brown, sandy. No odors. Moist	3 4 8 7				
15	13.25'	13.25'	13.6	0	70	TILL	medium brown sandy gravel. Wet. No odors.	3 7 16 17				
	17.19'	17.19'	10.6	0	70	TILL	brown sandy gravel. Wet. No odor.	7 15 24 21				
20	19.21'	19.21'	8.2	0	70	TILL	gray sandy gravel, to 18', wet. Fine well sorted gray sand @ 18.0' to 18.5'. Wet. Gray silty clay @ 18.5' to 19.0'.	7 11 11 18				
25	21.23'	21.23'	9.3	0	70	TILL	medium sandy gravel to 20'. Coarse sandy gravel from 20'-21'. No odors. Wet.	5 7 10 21				
30						TILL	gray sandy gravel. No odors. Wet.	16 33 45 44				
							TD = 23'					

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____
Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-AB14		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: GL452.03	Client/Project: ANGB/Hazardous Waste Storage Area		
HAZWRAP Contractor: E-C Inc.	Drlg Contractor: J Mathes & Assoc	Driller: D Wright	
Drlg Started: 1/23/90 (14:00 p.m)	Drlg Ended: 1/23/90 (15:30 p.m)	Borehole dia(s): 6"	
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75 TA			
Logged by: G.D. Carpenter	E-Log (Y/N) From ____ to ____		Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3-5'	V21	36.5	70	Clay - brown, silty. No odors		1, 2, 7, 9				
10	7'-10'	V/S23	2260	70	Clay - brown, silty. W/ pebbles (10%). No odors.		7, 9, 12, 15				
15	13'-15'	V23	885	70	Clay - brown to dark gray, silty. Pebbles (<5%). No odors. Moist.		5, 6, 10				
	17'-19'	V24	10.2	70	Gravel - brown, sandy. No odors. Wet.		8, 9, 10				
20	23'-25'	V25	290	70	Gravel - brown, sandy, to 18.5'. Gray silty clay 18.5'-19'. No odors. Wet.		3, 9, 12, 20				
	25'	V/S26	10.4	70	Gravel - brown, sandy. No odors. Wet.		5, 15, 22, 23				
		V27	9.7	70	Gravel - brown, sandy, to 22'. Fine well sorted brown sand 22-22.5'. Gray silty shale 22.5'-23.0'. Wet. No odors.		5, 13, 19, 19				
30					Gravel - brown, sandy, to 24'. Gray silty clay, to 25'. No odors.		6, 10, 14, 15				
					TO = 25'						

U = Thin wall tube
S = Split spoon(tube)
C = Cuttings
R = Rock coring
O = Other
Notes:
Field G/C (Moke/Mod.)
G/C Oper.:

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: AB-HW-AG15		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J. Mathes Assoc	Driller: D Wright	
Drlg Started: 1/25/90 (7:20 am)	Drlg Ended: 1/26/90 (11:30 am)	Borehole dia(s): 6"	
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75 TA			
Logged by: G.G. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D	

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (%)	Lithologic Description	USGS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	0-5'	531	9.2	70	CLAY brown, silty. Pebbles (10%). No odors.		3 4 W/2				
10	5'-10'	532	34.0	70	CLAY gray, silty. Small pebble debris (<5%). No odors. Moist.		1 1 2 3				
15	13'-15'	533	79C	70	CLAY brown to gray, silty. No odors. Moist.		1 2 1				
			401	70	Gravel - brown, sandy. No odors. Wet.		W/2 2				
			721	70	Gravel - brown, sandy, to 18'. Gray silty clay from 18' to 19'. No odors. Wet.		5 7 9 14				
20	19'-21'	534	27.0	70	Gravel - brown, sandy, to 20'. Grading into larger sandy gravel @ 20' on. Wet.		7 W/2 27 33				
	21'-23'	535	10.9	70	Sand-brown, fine well sorted. Wet.		12 17				
25	23'-25'	536	13.5	70	Coarse sandy gravel from 22'-23'. Wet.		22 30				
	25'-27'	537	9.7	70	Gravel - brown, sandy, w/ fine well sorted sand lenses interbedded. No odors. Wet.		7 9 12 15				
30					Gravel - gray, sandy, to 26'. Wet. Gray silty clay. Wet. 26'-27'. TD=27'		3 6 12 22				

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RR-HW-MW4		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB/Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J Mathes & Assoc		Driller: G Hayle
Drlg Started: 1/29/90 (13:35 pm)	Drlg Ended: 1/29/90 (15:00 pm)		Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75TA			
Logged by: G.C. Carpenter	E-Log (Y/N) From ____ to ____		Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N): Photo Vac	Recovery (in)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth B	Remarks	Elev. (ft)
5	3'-5'	351	N/N	8.0	0 70 Clay brown, silty. No odors.		3 4 6 7					
10	7'-10'	352	N/N	6.7	0 70 Clay brown, silty, to 9'9". Brown sandy clay from 9'9" to 10'. No odors. Moist.		2 3 7 10					
15	13'-15'	353	N/N	6.0	0 70 Sand brown silty, to 13.5'. Brown sandy clay / silty sand from 13.5' to 15'. No odors. Wet.		2 4 5 6					
20												
25												
30												

TD = 15'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring
O = Other
Notes:

Field G/C (Make/Mod.)
G/C Oper.:

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW5		Page 1 of 1
Installation: Richenbacker ANGB		Site: HWSA	
Project No.: CL450.03	Client/Project: ANGB/Hazardous Waste Storage Area		
HAZWRAP Contractor: E-J Inc	Drlg Contractor: Mathes Assoc	Driller: D Carter	
Drlg Started: 1/31/90 (9:30 a m)	Drlg Ended: 1/31/90 (10:30 a m)	Borehole dia(s): 6"	
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75TA			
Logged by: GD. Carpenter	E-Log (Y/N) From ____ to ____		Protection Level: D

Depth (ft)	Sample No.	Sample Lab Anal. (Y/N)	Recovery (%)	PID (ppm)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3-5'	Y/SS1	92	0	70		Clay brown, silty. W/ pebbles (10%). No odors.		1 3 4 4		
10	9-10'	Y/SS2	80	0	70		Clay brown, sandy/silty Wet. No odors.		1 1 2 4		
15	13-15'	Y/SS3	23%	0	70		Sand gray Fine to medium well sorted. Wet. Strong odors. Interbedded sandy, gray clay @ 14'-14.5'.		5 10 11 10		
20											
25											
30											

TD = 16'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW6	Page 1 of 1
Installation: Rocky Mountain ANGB		Site: HWSA
Project No.: CL45203	Client/Project: ANGB / Hazardous Waste Storage Area	
HAZWRAP Contractor: E-5 Inc	Drlg Contractor: J Mathes & Assoc	Driller: G. Mayle
Drlg Started: 1/30/90 (4:45 p.m)	Drlg Ended: 1/30/90 (11:30 a.m)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75 TA		
Logged by: G.C. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Recovery (in)	Blow counts (/6")	PID (ppm)	USCS	Lithologic Description
5	3-5'	3-5'	Y/CL	10.3	0	0	CL	CLAY brown, silty. W/ pebbles (10%). No odors.
10	7-10'	7-10'	Y/SM	5.7	0	0	CL	CLAY brown, silty. Trace pebbles (<5%). Moist. No odors.
	11-13'	11-13'	Y/CL	1.3	0	0	CL	CLAY brown, silty. Moist. No odors.
15	14-15'	14-15'	Y/SM	0.3	0	0	CL	CLAY gray, sandy, to 14'. Brown sandy gravel fill from 14 to 15'. Wet. No odors.
20								
25								
30								

TD = 16'

Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
4				
5				
10				
1				
3				
6				
7				
4				
2				
4				
11				
12				

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW7		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL452.03	Client/Project: RANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-J Inc.	Drlg Contractor: J. Mathes (Assoc)	Driller: G Mayle	
Drlg Started: 1/30/90 (13:00 pm)	Drlg Ended: 1/30/90 (14:10 pm)	Borehole dia(s): 6"	
Drlg Method/Rig Type: Hollow stem auger & Split spoon / CME 75TA			
Logged by: G.D. Carpenter	E-Log (Y/N) From ____ to ____	Protection Level: D	

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N): Misc.	Recovery (%)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth &	Remarks	Elev (ft)
5	S	1-5'		70	Clay brown, silty. No odors		1 3 4 7					
10	S	5-10'		70	Clay brown, sandy. Hydrocarbon staining. Strong odors. Moist.		0 1 2					
	S	11-13'		70	Clay gray, silty. Hydrocarbon staining. Moist. Odors.		0 1 2					
15	S	14.5-15'		70	Clay gray sandy, to 14.5'. Wet. Slight odor. Gray sandy gravel till. Wet. No odors.		1 1 2					
20												
25												
30												

TD = 16'

U = Thin wall tube
S = Split spoon(tube)
C = Cuttings
R = Rock coring
O = Other
Notes:
Field G/C (Make/Mod.)
G/C Oper.:

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RA-HW-MW2	Page 1 of 1
Installation: Rickenbacker ANGB	Site: HWSA	
Project No.: CL452.03	Client/Project: ANGB / Hazardous Waste Storage Area	
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: J Mathes Assoc	Driller: C Moyle
Drlg Started: 1/30/90 (15:00 ± m)	Drlg Ended: 1/31/90 (16:30 ± m)	Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75TA		Protection Level: D
Logged by: G.C. Carpenter	E-Log (Y/N) From ____ to ____	

Depth (ft)	Sample No.	Sample Lab Anal. (Y/N)	Mica Tip Readings (ppm)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3-5'	Y/N	13.0	0	70		3 5 6 7				
10	8-10'	Y/N	11.9	0	70		3 4 8 12				
15	13-15'	Y/N	12.9	0	70		3 4 14 17				
20											
25											
30											

Clay brown, silty, w/ pebbles (10%). No odors.

Clay brown to gray, sandy. w/ pebbles (<5%) and interbedded brown sands. No odors. Moist.

Gravel - gray, sandy. Wet, no odors. Gray sandy clay from 14'-14.5', w/ pebbles (<5%).

TD = 16'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings

R = Rock coring ____
O = Other ____
Notes: ____

Field G/C (Make/Mod.) ____
G/C Oper.: ____

REV. DATE: JAN 1989

BORING LOG	BORING/WELL NO.: RR-HW-MW9		Page 1 of 1
Installation: Rickenbacker ANGB		Site: HWSA	
Project No.: CL450.03	Client/Project: ANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-5 Inc.	Drlg Contractor: J Mathes / Assoc		Driller: C Carle
Drlg Started: 2/9/90 (9:40 a.m)	Drlg Ended: 2/9/90 (10:20 a.m)		Borehole dia(s): 6"
Drlg Method/Rig Type: Hollow stem auger / Split spoon / CME 75TA			
Logged by: G.C. Carpenter	E-Log (Y/N) From ____ to ____		Protection Level: D

Depth (ft)	Sample	Sample No.	Lab Anal. (Y/N)	Micro-tip (ppm)	Recovery (%)	Lithologic Description	USCS	Blows/6 inch.	Graphic Log	Well data	Water depth & Remarks	Elev (ft)
5	3-5'	SS1	Y/SS1	9.0	70	Clay brown, silty. W/ pebbles (10%). No odors.		5 7 9 8				
10	7-10'	SS2	Y/SS2	49.3	70	Clay brown, sandy. W/ pebbles (<5%). Moist No odors.		1 2 3 4				
15	13-15'	SS3	Y/SS3	84.3	70	Sand brown, silty. W/ pebbles (<5%). Wet. No odors.		1 2 3				
20												
25												
30												

TD = 16'

U = Thin wall tube
S = Split spoon (tube)
C = Cuttings
R = Rock coring
O = Other
Notes:
Field G/C (Make/Mod.)
G/C Oper.:

REV DATE JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW10		Page 1 of 1
Installation: RICKENBACKER ANGB		Site: HWSA-560	
project No.: CL115.40	Client/Project: HAZWRAP		
HAZWRAP Contractor: ENGINEERING-SCIENCE	Drlg Contractor: JOHN MATHES & ASSOC		Driller:
Drlg Started: 10/14/91 (10:55 A m)	Drlg Ended: 10/14/91 (11:30 A m)		Borehole dia(s): 6"
Drlg Method/Rig Type: HOLLOW STEM AUGER/CME-45			
Logged by: RLPATTON	E-log(Y/N) From ____ to ____		Protection level: D

Depth (ft)	Sample No.	Sample Lab Anal. (Y/N)	SHELL Recovery (hdsp (ppm)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks Elev. (ft)
0									
	S 1	Y	16	DRY, BROWN, SILTY CLAY, BROWN AND GREY MOTTLING, NO HC ODOR OR STAINING.		11 13 13 12			
5									
	S 2	N	12.8	DRY TO DAMP, BROWN, STIFF SILTY CLAY, NO HC ODOR OR STAINING.		5 6 12 17			
10									
	S 3	Y	11.4	GREY, VERY FINE GRAINED SAND WITH TRACE SILT, NO HC ODOR OR STAIN.		17 8 12 26			
15									
				BOH=18'.					
20									
25									
30									
35									

U = Thin wall tube
S = split spoon(tube)
C = Cuttings

R = Rock coring ____
O = Other ____
Notes: ____

Field G/C(Make/Mod.) ____
G/C Oper.: ____

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REV. DATE JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW11	Page 1 of 1
Installation: RICKENBACKER ANGB		Site: HWSA-560
project No.: CL115.40	Client/Project: HAZWRAP	
HAZWRAP Contractor: ENGINEERING-SCIENCE	Drlg Contractor: JOHN MATHES & ASSOC	Driller:
Drlg Started: 10/15/91 (09:35 Am)	Drlg Ended: 10/15/91 (10:30 A m)	Borehole dia(s): 6"
Drlg Method/Rig Type: HOLLOW STEM AUGER/CME-45		
Logged by: RLPATTON	E-log(Y/N) From _____ to _____	Protection level: D

Depth (ft)	Sample No.	Sample Type	Lab Anal. (Y/N)	SHELL hasp (ppm) Recovery ( )	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks Elev. (ft)
0										
5	S 1		Y	72.3	DRY, BROWN, SILTY CLAY, TRACE FINE LIMESTONE GRAVELS, NO HC ODOR OR STAINING.		13 25 19 16			
10	S 2		N	55.1	BROWN SILTY CLAY, DRY, NO HC ODOR OR STAIN, TRACE GRAVEL (FINE), GREY MOTTLING		9 13 18 18			
	S 3		Y	32.1	GREYISH-BROWN SILT, CLAY W/TRACE SAND.		6			
15					SAND, BROWN COARSE, AND GRAVEL, WET AND SILTY, NO HC ODOR OR STAINING.		6 8 20			
					BOH=18'.					
20										
25										
30										
35										

U = Thin wall tube
S = split spoon(tube)
C = Cuttings

R = Rock coring _____
O = Other _____
Notes: _____

Field G/C(Moke/Mod.) _____
G/C Oper.: _____

0115V11A
RX

REV DATE JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW12		Page 1 of 1
Installation: RICKENBACKER ANGB		Site: HWSA-560	
project No.: CL115.40	Client/Project: HAZWRAP		
HAZWRAP Contractor: ENGINEERING-SCIENCE	Drlg Contractor: JOHN MATHES & ASSOC		Driller:
Drlg Started: 10/15/91 (14:30 P m)	Drlg Ended: 10/15/91 (15:00 P m)		Borehole dia(s):
Drlg Method/Rig Type: HOLLOW STEM AUGER/CME-45			
Logged by: RLPATTON	E-log(Y/N) From ____ to ____		Protection level: D

Depth (ft)	Sample No.	Sample Lab Anal. (Y/N)	SHELL Recovery ( ) hdsp (ppm)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks Elev. (ft)
0									
5	S 1	Y	43.1	BROWN AND GREY, STIFF, SILTY CLAY WITH TRACE LITHIC GRAVEL, NO HC ODOR OR STAINING.		7 6 6 7			
10	S 2	N	23	BROWN GREY SILTY CLAY, DAMP-TO-MOIST, SLIGHTY MOTTLED, TRACE LITHIC GRAVEL, NO HC ODOR OR STAINING.		8 12 12 16			
15	S 3	Y	24.5	SPOON WET; BROWN CSE SAND AND FINE GRAVEL, NO HC ODOR OR STAINING.		- - 25 -			
20				BOH=18'.					
25									
30									
35									

U = Thin wall tube
S = split spoon(tube)
C = Cuttings

R = Rock coring ____
O = Other ____
Notes: ____

Field G/C(Make/Mod.) ____
G/C Oper.: ____

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REV DATE JAN 1989

BORING LOG	BORING/WELL NO.: RB-HW-MW11		Page 1 of 1
Installation: RICKENBACKER ANGB		Site: HWSA-560	
Project No.: CL115.40	Client/Project: HAZWRAP		
HAZWRAP Contractor: ENGINEERING-SCIENCE	Drlg Contractor: JOHN MATHES & ASSOC		Driller:
Drlg Started: 10/15/91 (09:35 Am)	Drlg Ended: 10/15/91 (10:30 A m)		Borehole dia(s): 6"
Drlg Method/Rig Type: HOLLOW STEM AUGER/CME-45			
Logged by: RLPATTON	E-log(Y/N) From ____ to ____		Protection level: D

Depth (ft)	Sample No.	Sample Type	Lab Anal. (Y/N)	SHELL Recovery ( ) hasp (ppm)	Lithologic Description	USCS	Blows/6 inch	Graphic Log	Well data	Water depth & Remarks	Elev. (ft)
0											
5	S 1		Y	72.3	DRY, BROWN, SILTY CLAY, TRACE FINE LIMESTONE GRAVELS, NO HC ODOR OR STAINING.		13 25 19 16				
10	S 2		N	55.1	BROWN SILTY CLAY, DRY, NO HC ODOR OR STAIN, TRACE GRAVEL (FINE), GREY MOTTLING		9 13 18 18				
	S 3		Y	32.1	GREYISH-BROWN SILT, CLAY W/TRACE SAND.		6				
15					SAND, BROWN COARSE, AND GRAVEL, WET AND SILTY, NO HC ODOR OR STAINING.		6 8 20				
					BOH=18'.						
20											
25											
30											
35											

U = Thin wall tube
S = split spoon(tube)
C = Cuttings

R = Rock coring ____
O = Other ____
Notes: ____

Field G/C(Make/Mod.) ____
G/C Oper.: ____

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RX

REV DATE: JAN 1988

WELL DEVELOPMENT LOG

WELL NO.: RB-HW-MW4 | Page 1 of 1

Installation: Richenbacker ANGB | Site: HWSA

Project No.: CL452.03 | Client/Project: RANGB / Hazardous Waste Storage Area

HAZWRAP Contractor: E-J Inc. | Dev. Contractor: John Mathes & Assoc.

Dev. Start: 2/2/90 (11 : 45 m) | Dev. End: 2/2/90 (12 : 00 m) | Csg Dia.:

Developed by: J. Mathes & Assoc. / GOC | Dev. Rig (Y) N)

Dev. Method 3L8 Pressure/suction pump, with a 200 gpm pumping ability.

Equipment 3L8 suction pump & black neoprene base (1")

Pre-Dev. SWL 10.25' Maximum drawdown during pumping 7.66 ft at 0.67 gpm

Range and Average discharge rate 0.25 - 2.5 gpm / 0.67 gpm

Total quantity of material boiled —

Total quantity of water discharged by pumping 10 gal.

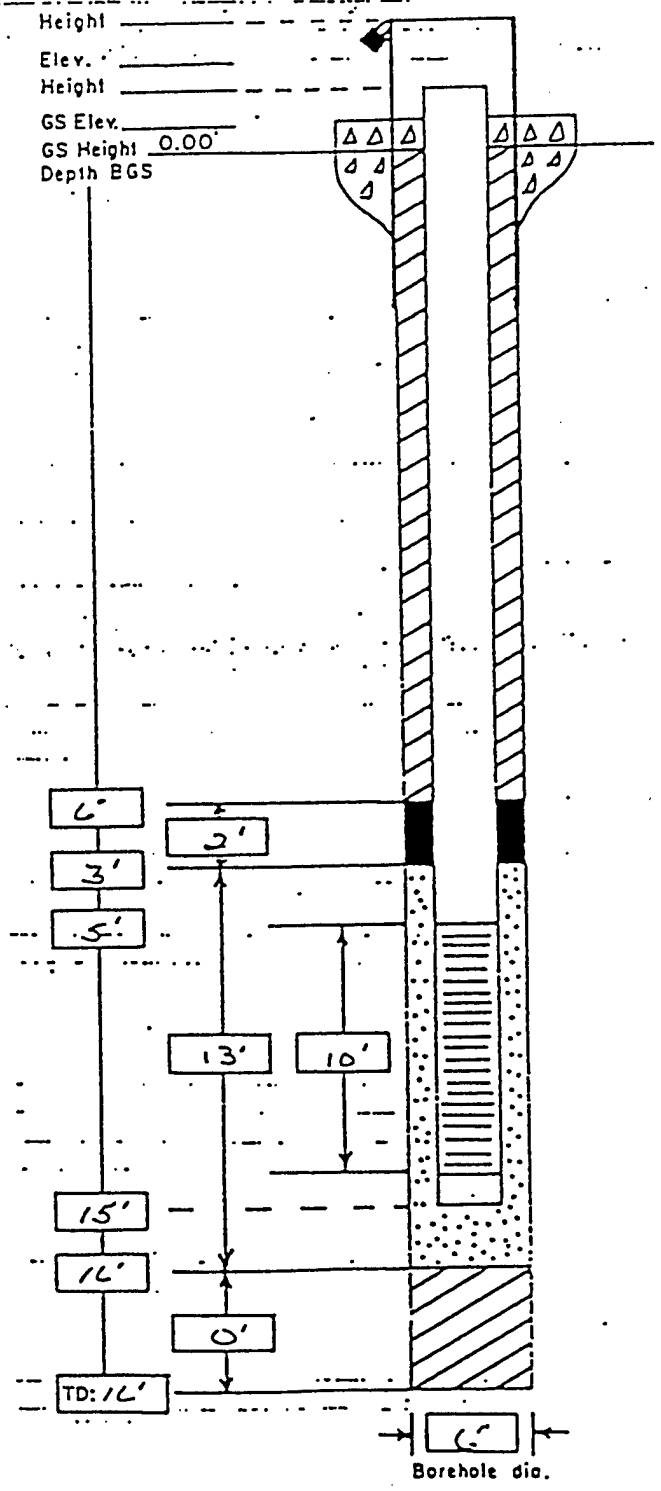
Disposition of discharge water Collected in 55 gal. recovered drums located next to well.

Time	Volume Removed (gal)	Water Level ft.BTOC	Turbidity	Clarity/ Color	Temp. °C	pH	Conductivity	Remarks
11:45	2.5	17.90	high	brown	68	7.6	790	
11:50	5.0	17.90	low	light brown	63	8.0	800	
12:00	2.5	17.90	v. low	clear/ brown	61	7.8	790	Water becoming clearer
12:05	—	16.90	—	—	—	—	—	
13:00	—	12.10	-	-	-	-	-	
14:30	—	10.60	-	-	-	-	-	

REV. DATE: JAN 1989

MONITORING WELL CONSTRUCTION LOG - Standard

WELL NO.: MW15	Installation: Rickenbacker ANGB		Site: HWSA
Project No.: CL45J.03	Client/Project: RANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc.		Drlg Contractor: John Mathes & Assoc.	
Comp. Start: 1/31/90	(9:30 m)	Comp. End: 1/31/90	(10:30 m)
Built By: J. Mathes & Assoc.		Well Coord.: RA-HW-MW15	



PROTECTIVE CSG
Material/Type: Steel
Diameter: 4"
Depth BGS: 2.5' Weep Hole (Y/N)

GUARD POSTS (Y) N)
No. 3 Type: 1¼" Steel Pipe

SURFACE PAD
Composition & Size: Cement, 2' x 2' x 6"

RISER PIPE
Type: Sch 40 PVC
Diameter: 2"
Total Length (TOC to TOS): 8'

GROUT
Composition & Proportions: 5% Bentonite

Tremied (Y/(N))
Interval BGS: 0.5'-1.0'

CENTRALIZERS (Y/(N))
Depth(s):

SEAL
Type: Bentenite Pellets
Source: J. Mathes & Assoc
Setup/Hydration time: 10 min. Vol. Fluid Added: 5 gal
Tremied (Y/(N))

FILTER PACK
Type: Silica Sand
Amt Used: 200 lbs. (4 bags)
Tremied (Y/(N))
Source: J. Mathes & Assoc.
Gr. Size Dist.: 20 x 40

SCREEN
Type: Sch. 40 PVC
Diameter: 2"
Slot Size & Type: 0.01"
Interval BGS: 5'-15'

SUMP (Y/(N))
Interval BGS: Length:
Bottom Cap (Y/N)

BACKFILL PLUG None
Material:
Setup/Hydration time:
Tremied (Y/N)

REV. DATE: JAN 1990

WELL DEVELOPMENT LOG

WELL NO.: RB-HW-MW5 | Page 1 of 1

Installation: Rickenbacker ANGB | Site: HWSA

Project No.: CL452.03 | Client/Project: RANGB/ Hazardous Waste Storage Area

HAZWRAP Contractor: E-S INC. | Dev. Contractor: John Mathes & Assoc.

Dev. Start: 2/2/90 (11 : 15 m) | Dev. End: 2/2/90 (11 : 25 m) | Csg Dia.:

Developed by: J Mathes & Assoc. / GOC | Dev. Rig (Y/ N)

Dev. Method: 3" Pressure/suction pump, with a 200 gpm pumping ability.

Equipment: 3" suction pump & black neoprene hose (1")

Pre-Dev. SWL: 12.60 Maximum drawdown during pumping: 5.00 ft at 0.70 gpm

Range and Average discharge rate: 0.25 - 5 gpm / 0.7 gpm

Total quantity of material bailed: —

Total quantity of water discharged by pumping: 75 gals

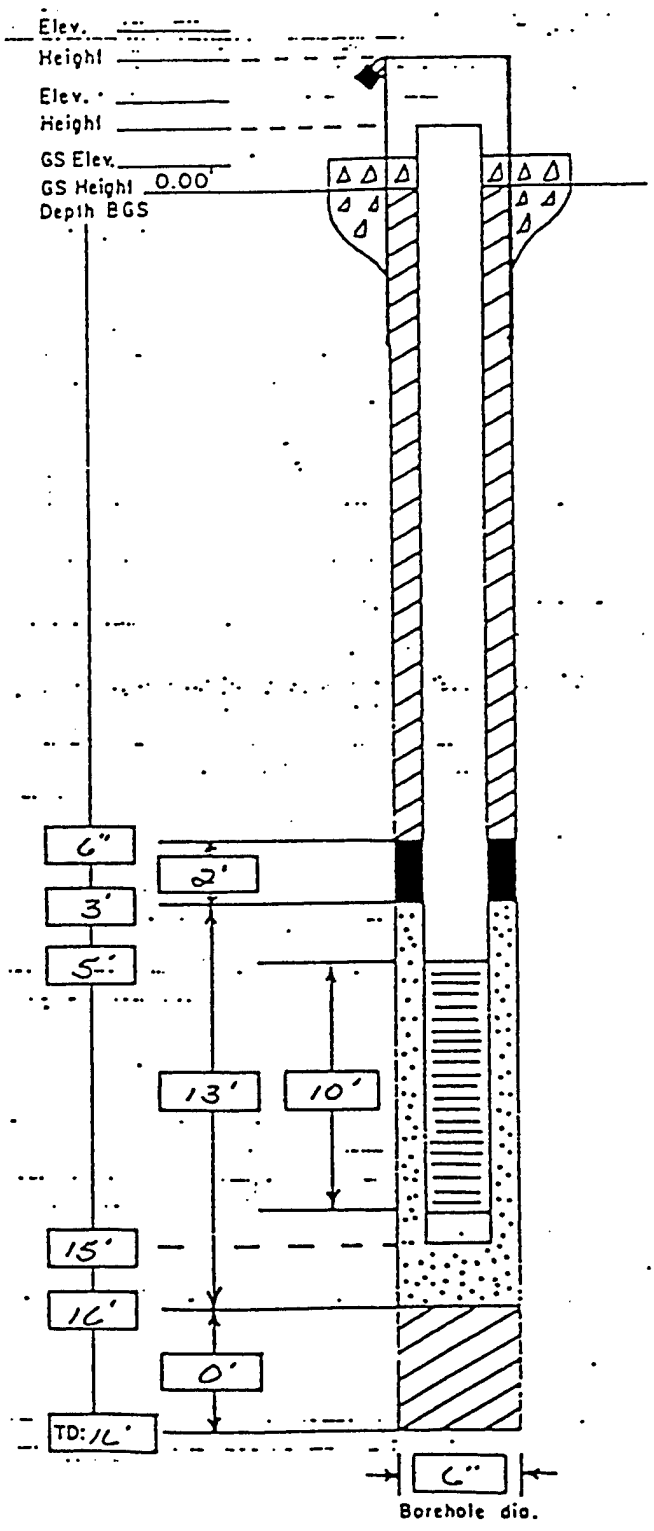
Disposition of discharge water: Collected in 55 gal. secured drum located next to well.

Time	Volume Removed (gal)	Water Level ft.BTOC	Turbidity	Clarity/ Color	Temp. °C	pH	Conductivity	Remarks
11:15	5	17.60	N/A	Amber	63	8.2	630	Strong odor, product
11:25	2.5	17.60	N/A	Amber	61	8.1	600	" " "
11:30	-	15.00	-	-	-	-	-	
12:05	-	13.50	-	-	-	-	-	
13:00	-	12.90	-	-	-	-	-	
14:30	-	12.80	-	-	-	-	-	

REV. DATE: JAN 1989

MONITORING WELL CONSTRUCTION LOG - Standard

WELL NO.: MW6	Installation: Rickenbacker ANGB	Site: HWSA
Project No.: CL4552.03	Client/Project: ANGB / Hazardous Waste Storage Area	
HAZWRAP Contractor: E-S Inc.	Drlg Contractor: John Mathes & Assoc.	
Comp: Start: 1/30/90 (9:45 m)	Comp. End: 1/30/90 (11:30 m)	
Built By: J. Mathes & Assoc.	Well Coord.: GG-HW-MW6	



PROTECTIVE CSG
Material/Type Steel
Diameter 4"
Depth BGS 2.5' Weep Hole (Y/N)

GUARD POSTS (Y/N)
No. 3 Type 1/4" Steel Pipe

SURFACE PAD
Composition & Size Cement, 2'x2'x6"

RISER PIPE
Type Sch. 40 PVC
Diameter 2"
Total Length (TOC to TOS) 7'

GROUT
Composition & Proportions 5% Bentonite
Tremied (Y/N)
Interval BGS 0.5' - 1.0'

CENTRALIZERS (Y/N)
Depth(s)

SEAL
Type Bentonite Pellets
Source J. Mathes & Assoc.
Setup/Hydration time 10 min. Vol. Fluid Added 5 gal
Tremied (Y/N)

FILTER PACK
Type Silica Sand
Amt Used 200 lbs (4 bags)
Tremied (Y/N)
Source J. Mathes & Assoc.
Gr. Size Dist. 20 x 40

SCREEN
Type Sch. 40 PVC
Diameter 2"
Slot Size & Type 0.01"
Interval BGS 7' - 15'

SUMP (Y/N)
Interval BGS Length
Bottom Cap (Y/N)

BACKFILL PLUG
Material None
Setup/Hydration time
Tremied (Y/N)

REV DATE: JAN 1990

WELL DEVELOPMENT LOG

WELL NO.: RA-HW-MW6 | Page 1 of 1

Installation: Rickenbacker ANGB | Site: HWSA

Project No.: CC452.03 | Client/Project: RANGB / Hazardous Waste Storage Area

HAZWRAP Contractor: E-5 Inc. | Dev. Contractor: John Mathes & Assoc.

Dev. Start: 2/2/90 (12:20 pm) | Dev. End: 2/2/90 (12:45 pm) | Csg Dia.:

Developed by: J. Mathes & Assoc. / GOC | Dev. Rig (Y) N)

Dev. Method 3L8 Pressure / suction pump, with a 200 gpm pumping capability.

Equipment 3L8 suction pump & black aeoprene hose (1")

Pre-Dev. SWL 11.05' Maximum drawdown during pumping 6.40 ft at 0.30 gpm

Range and Average discharge rate 0.25 - 0.5 gpm / 0.3 gpm

Total quantity of material boiled —

Total quantity of water discharged by pumping 7.5 gal

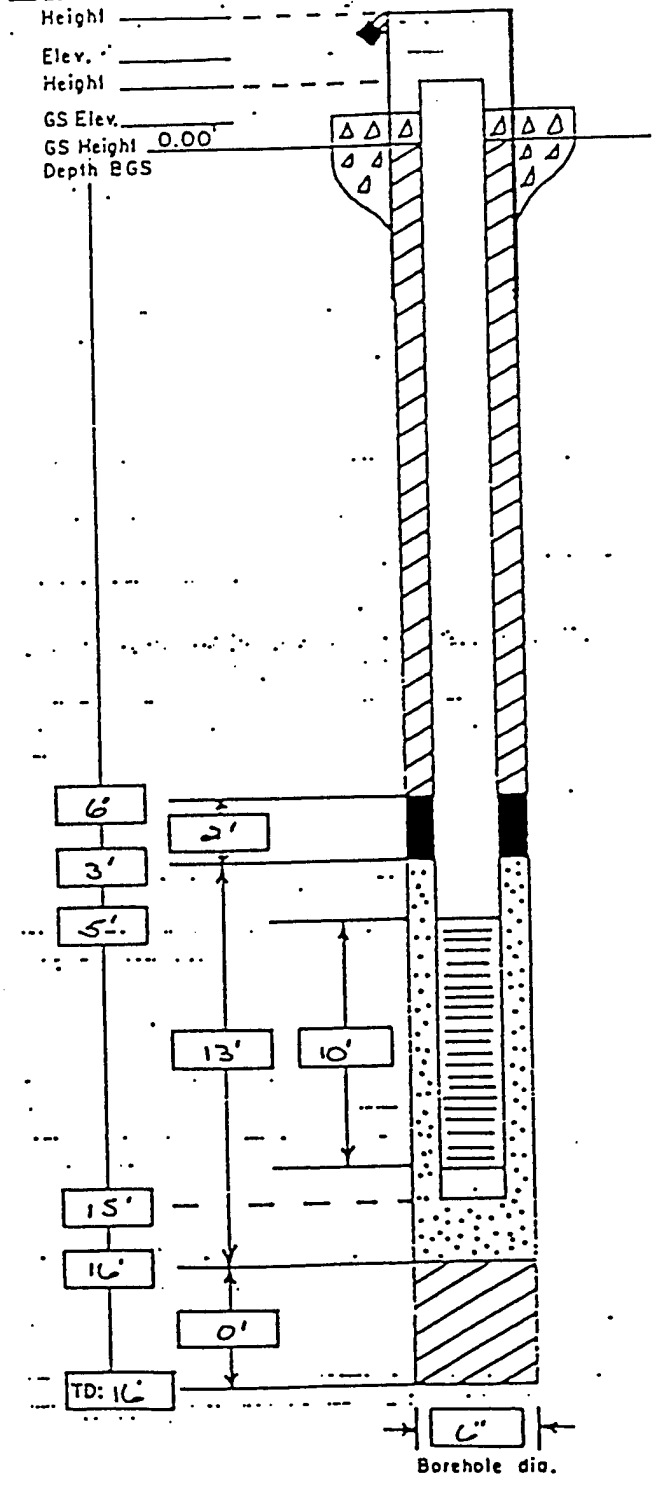
Disposition of discharge water Collected in 55 gal secure drum located next to well.

Time	Volume Removed (gal)	Water Level ft.BTOC	Turbidity	Clarity/ Color	Temp. °C	pH	Conductivity	Remarks
12:20	2.5	17.45	low	brown	60	7.7	800	allowed to recharge
12:35	2.5	17.45	low	light brown	60	7.9	790	" " "
12:45	2.5	17.45	v. low	brownish clearing	60	7.8	750	" " "
12:50	—	16.08	—	—	—	—	—	
13:00	—	—	—	—	—	—	—	
13:30	—	12:35	—	—	—	—	—	
14:20	—	12.20	—	—	—	—	—	

REV. DATE: JAN 1989

MONITORING WELL CONSTRUCTION LOG - Standard

WELL NO.: MW7	Installation: Rickenbacker ANGB		Site: HWSA
Project No.: 2L455.03	Client/Project: RANGB / Hazardous Waste Storage Area		
HAZWRAP Contractor: E-S Inc.		Drlg Contractor: John Mathes & Assoc	
Comp. Start: 1/30/90 (13:00 m)		Comp. End: 1/30/90 (14:10 m)	
Built By: J. Mathes & Assoc		Well Coord.: RA-HW-MW7	



PROTECTIVE CSG
Material/Type: Steel
Diameter: 4"
Depth BGS: 2.5' Weep Hole (Y/N)

GUARD POSTS (Y/N)
No. 3 Type: 1/4" Steel Pipe

SURFACE PAD
Composition & Size: Cement, 2'x2'x6"

RISER PIPE
Type: Sch. 40 PVC
Diameter: 2"
Total Length (TOC to TOS): 7'

GROUT
Composition & Proportions: 5% Bentonite
Tremied (Y/N)
Interval BGS: 0.5' - 1.0'

CENTRALIZERS (Y/N)
Depth(s):

SEAL
Type: Bentonite Pellets
Source: J. Mathes & Assoc
Setup/Hydration time: 10 min. Vol. Fluid Added: 5 gal.
Tremied (Y/N)

FILTER PACK
Type: Silica Sand
Amt Used: 200 lbs (4 bags)
Tremied (Y/N)
Source: J. Mathes & Assoc
Gr. Size Dist.: 20x40

SCREEN
Type: Sch 40 PVC
Diameter: 2"
Slot Size & Type: 0.01"
Interval BGS: 5 - 15'

SUMP (Y/N)
Interval BGS: Length:
Bottom Cap (Y/N)

BACKFILL PLUG
Material: None
Setup/Hydration time:
Tremied (Y/N)

REV DATE: JAN 1990

WELL DEVELOPMENT LOG

WELL NO.: LB-HW-MW7 | Page 1 of 1

Installation: Rickenbacker ANGB | Site: HWSA

Project No.: CL452.03 | Client/Project: LANGB / Hazardous Waste Storage Area

HAZWRAP Contractor: E-J INC. | Dev. Contractor: John Mathes & Assoc.

Dev. Start: 2/2/90 (10 : 50 m) | Dev. End: 2/2/90 (11 : 05 m) | Csg Dia.:

Developed by: J. Mathes & Assoc. / COC | Dev. Rig (Y) N)

Dev. Method 3L8 Pressure/suction pump, with a 200 gpm pumping ability

Equipment 3L8 suction pump & black neoprene hose (1")

Pre-Dev. SWL 12.45' Maximum drawdown during pumping 6.70 ft at 1.5 gpm

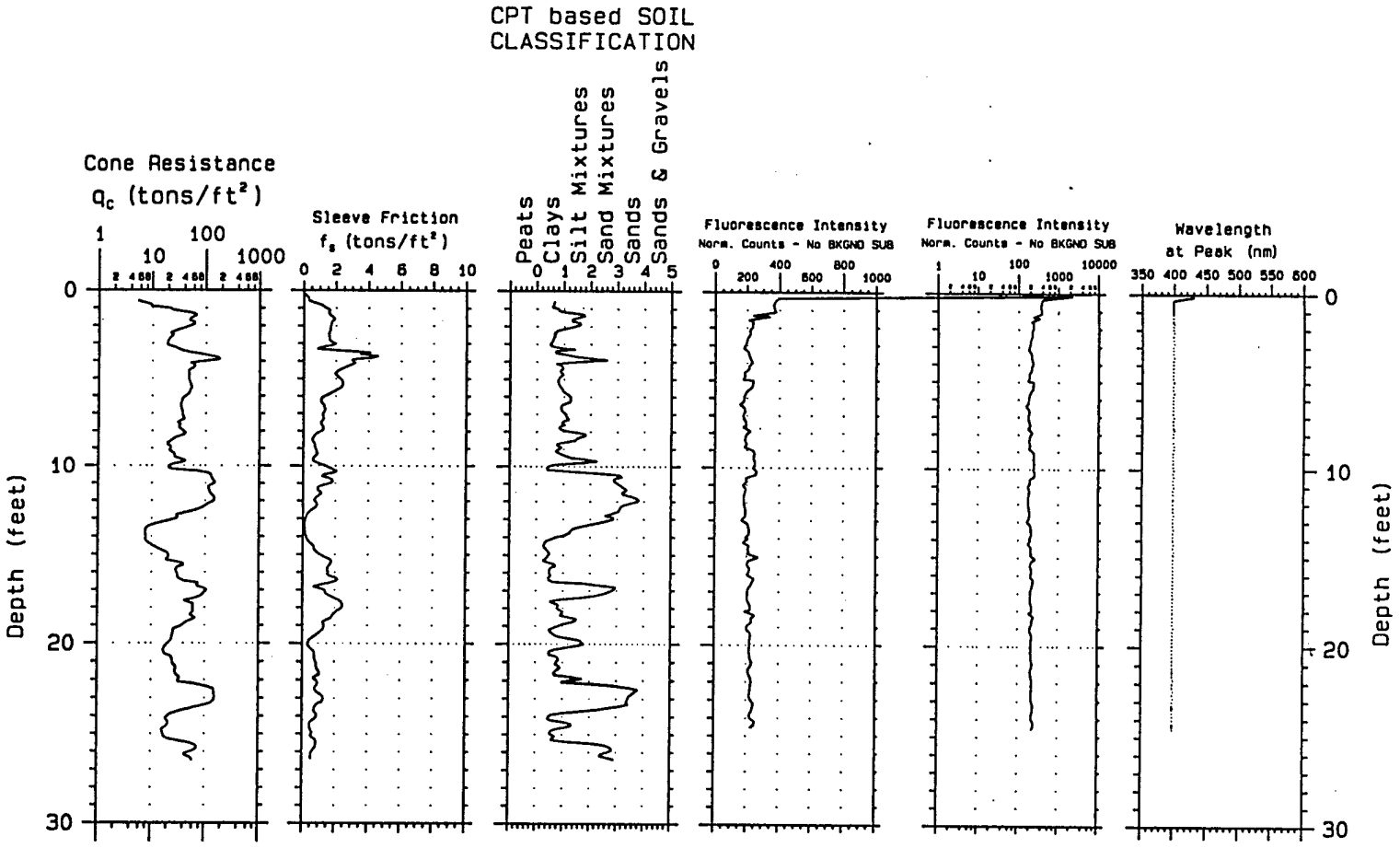
Range and Average discharge rate 1.0-5.0 gpm / 1.5 gpm

Total quantity of material boiled —

Total quantity of water discharged by pumping 15 gal

Disposition of discharge water Collected in 55 gal secure drum located next to well

Time	Volume Removed (gal)	Water Level ft.BTOC	Turbidity	Clarity/ Color	Temp. °C	pH	Conductivity	Remarks
10:50	5	19.15	low	brown	62	7.4	740	
10:55	5	19.15	v. low	light brown	59	7.0	740	Clearing
11:00	5	19.15	—	clear	58	7.0	760	Clear
11:05	—	15.00	-	-	-	-	-	
12:05	—	12.65	-	-	-	-	-	
13:00	—	12.55	-	-	-	-	-	



LIF 1

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

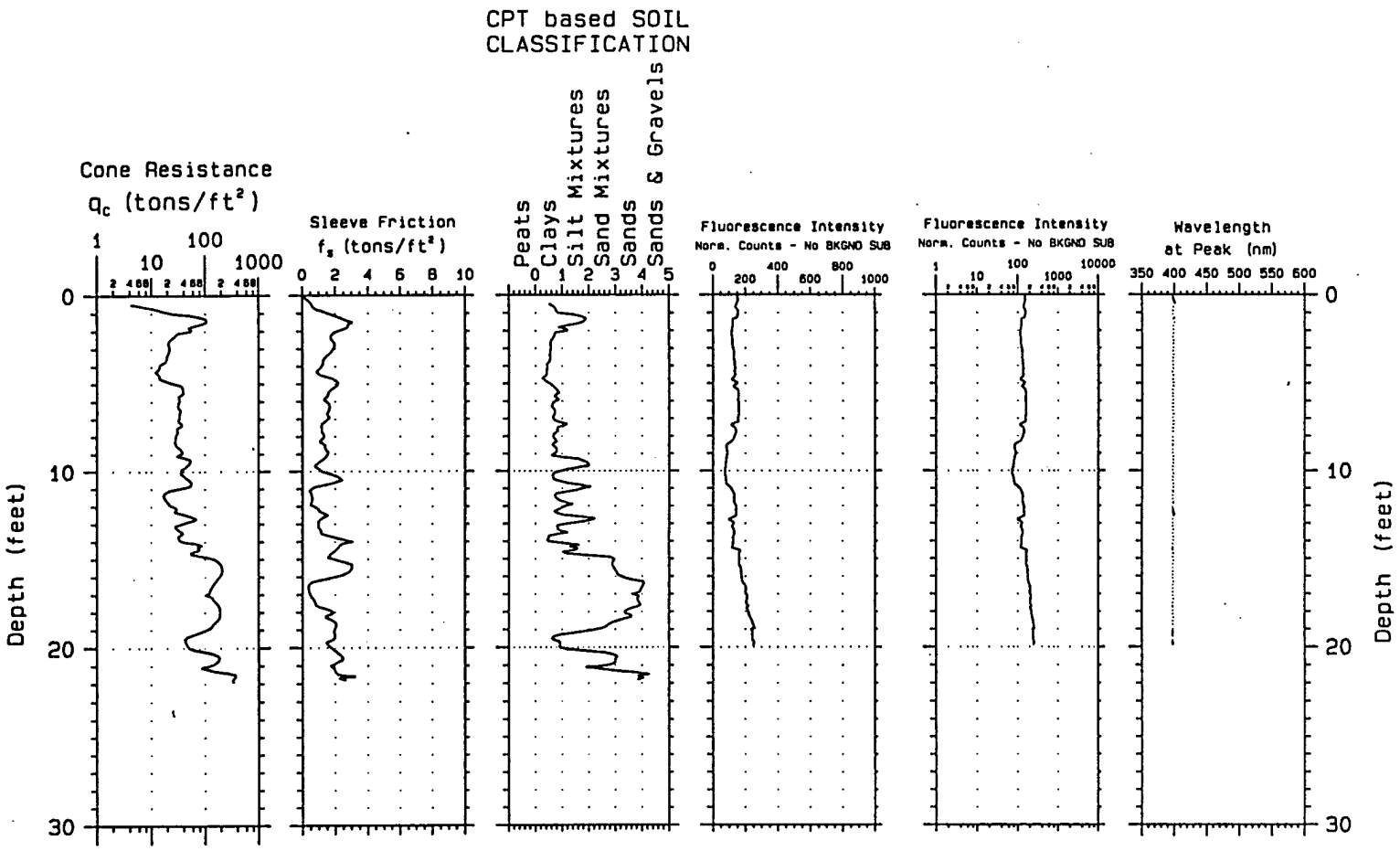
Probe Depth; 26.70

CPT; 2RKRF1

Probing date; 02-21-1995

Nearest MP: ESMP55 @ 12.5'

ESMP-SD @ 22.5



LIF 2

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

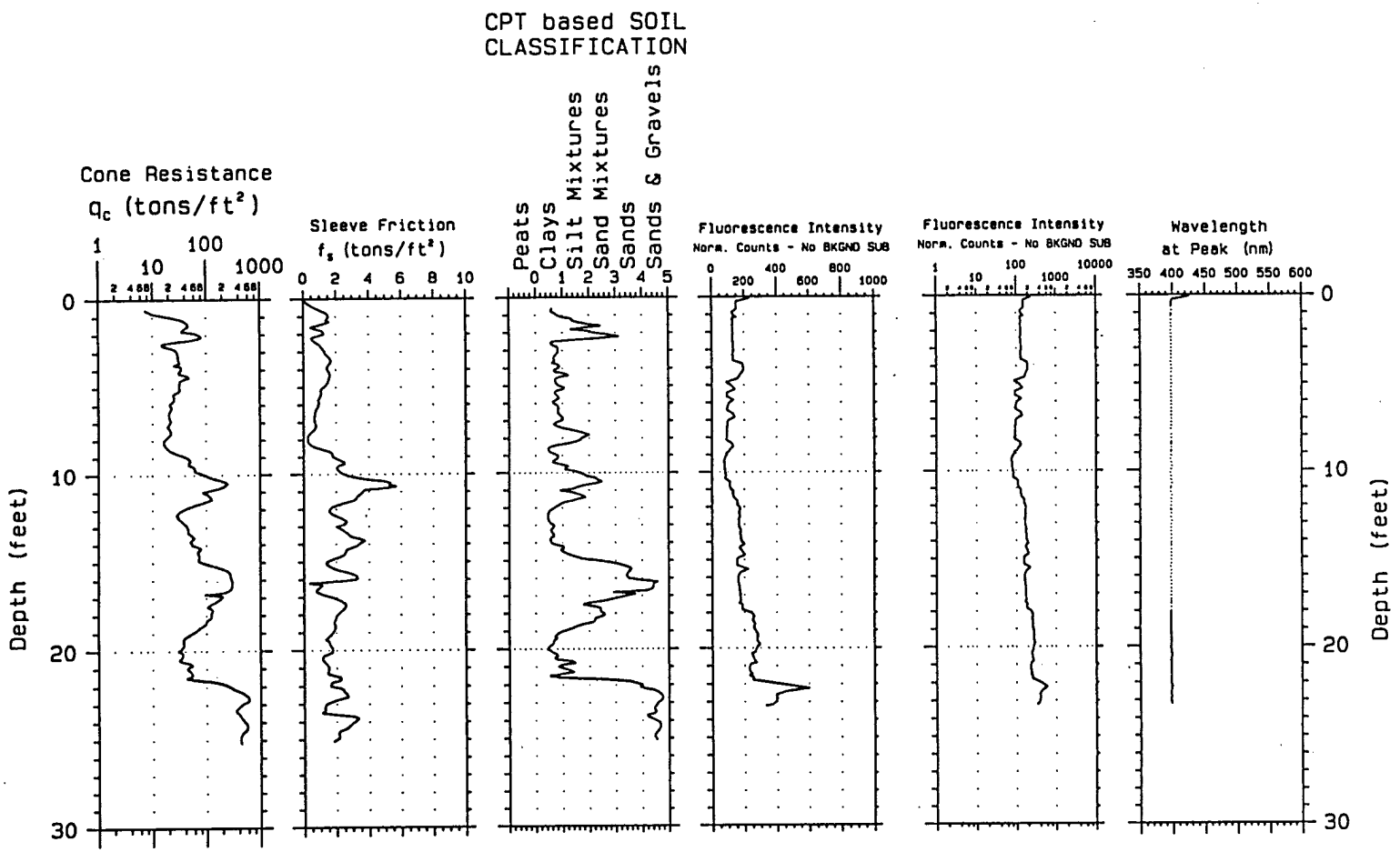
Probe Depth; 22.07

CPT; 3RKRF1

Probing date; 02-21-1995

ESMP-3S - 9.74

ESMP-3D - 22.2



L1F3

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

Project; Rickenbacker ANG

Probe Depth; 25.40

SCAPS

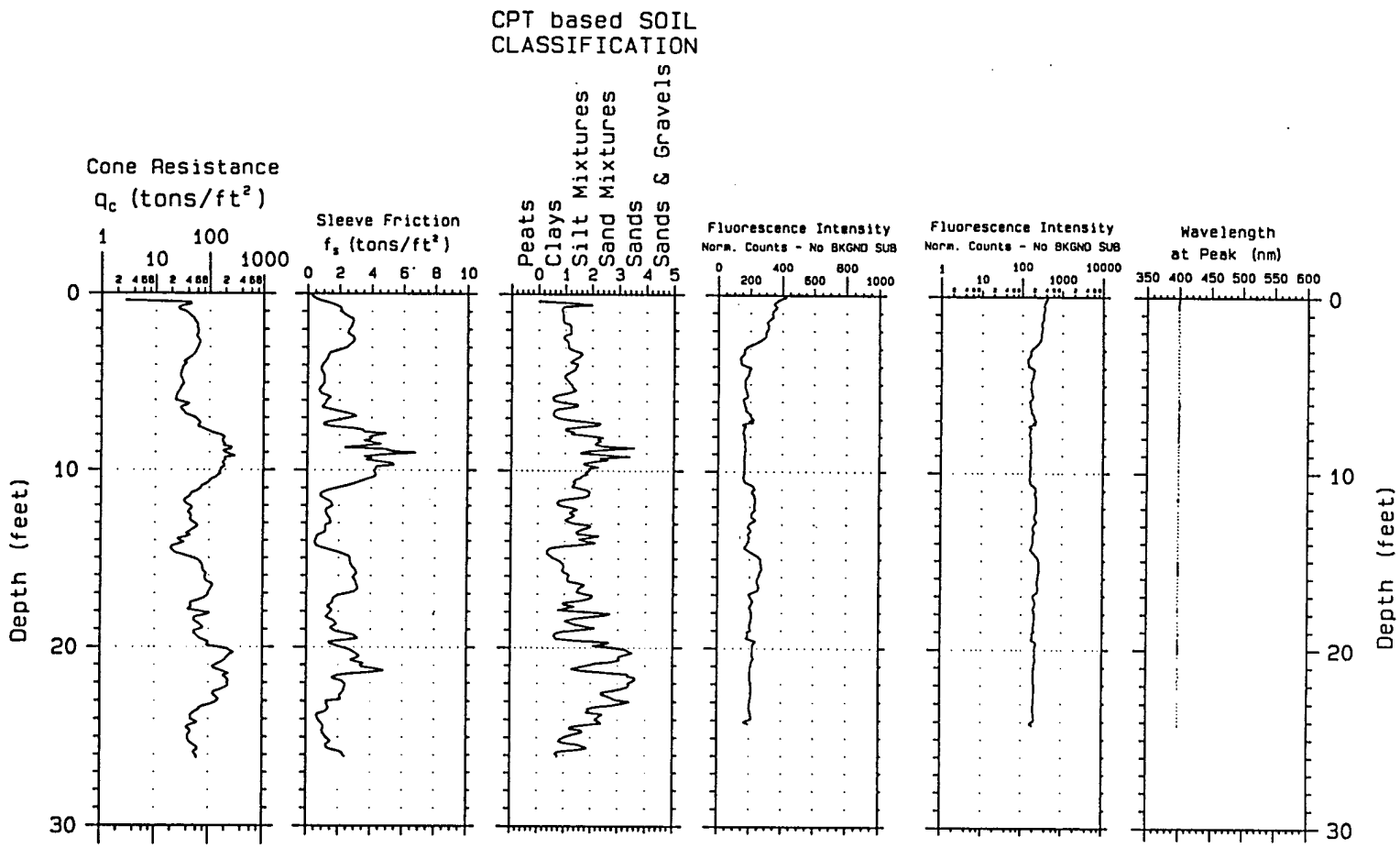
Site Characterization and Analysis Penetrometer System

CPT; 4RKRF1

Probing date; 02-21-1995

ESMP-6S 15.8

ESMP-6D 23.5



L1F4

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

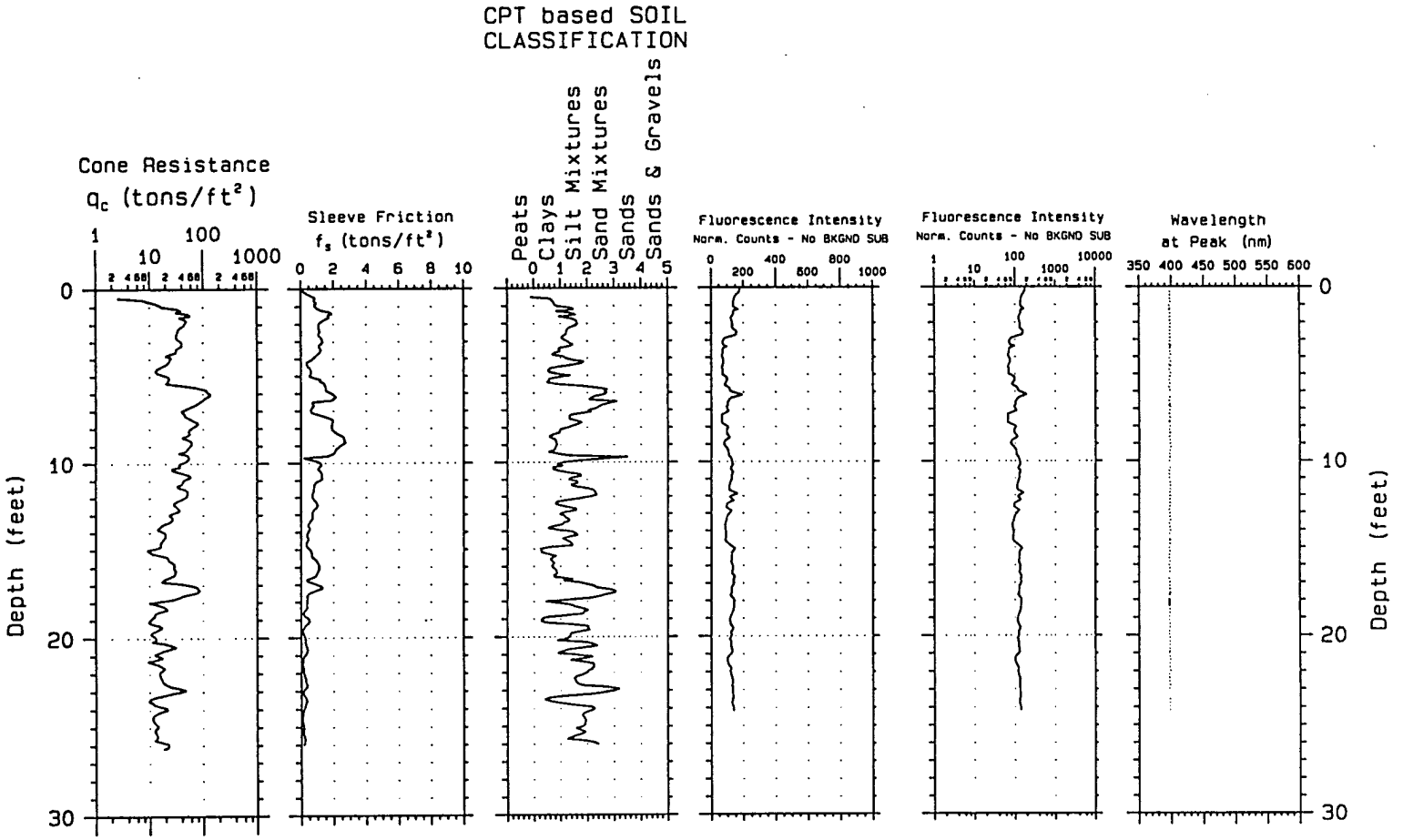
Probe Depth; 26.35

CPT; 6RKRF1

Probing date; 02-22-1995

ESMP-7S 11.75

ESMP-7D 23.59



LIF 5

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

Project; Rickenbacker ANG

Probe Depth; 26.32

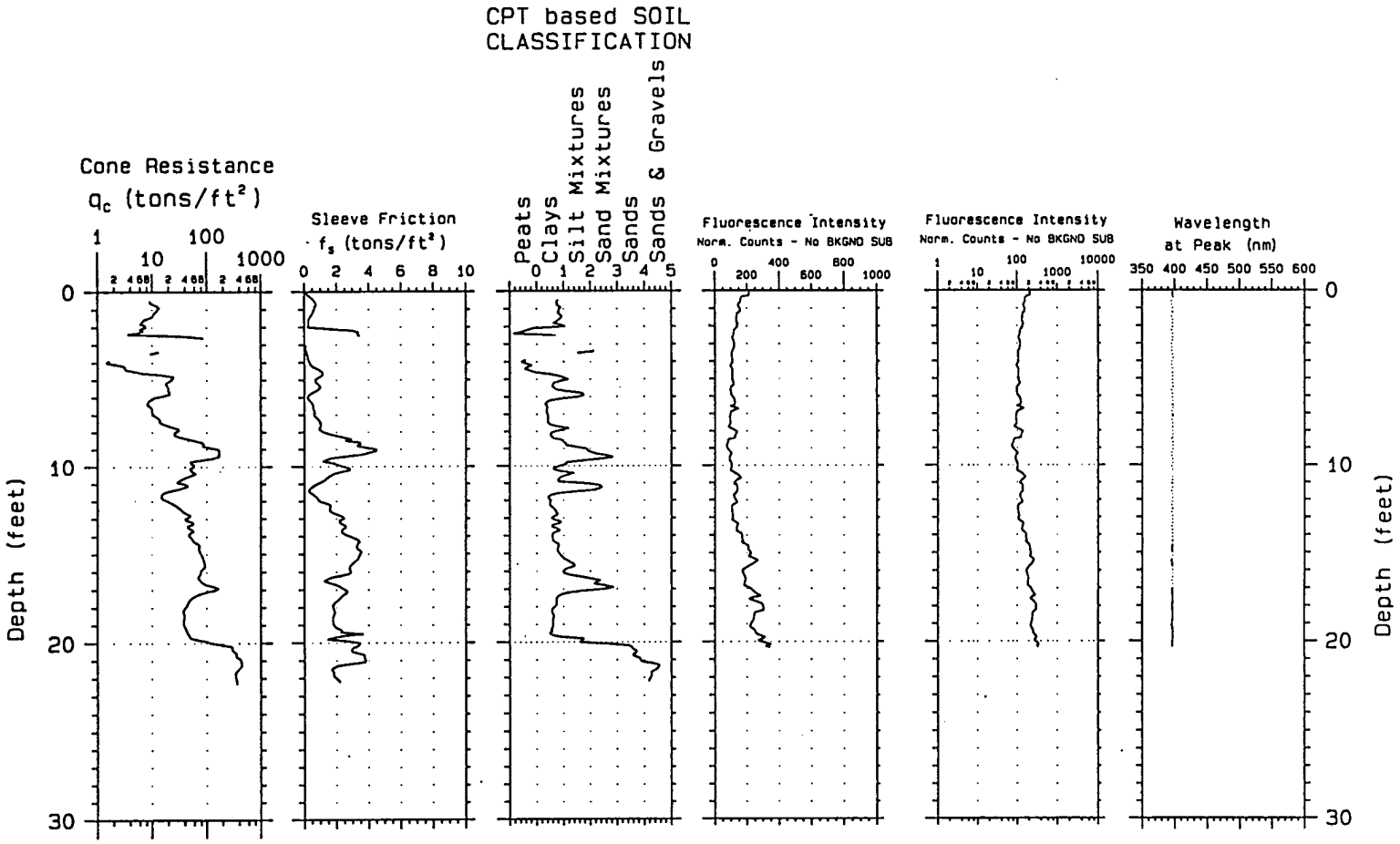
SCAPS Site Characterization and Analysis Penetrometer System

CPT; 7RKRF1

Probing date; 02-22-1995

ESMP-11S 15.78

ESMP-11D 22.82



L1F6

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

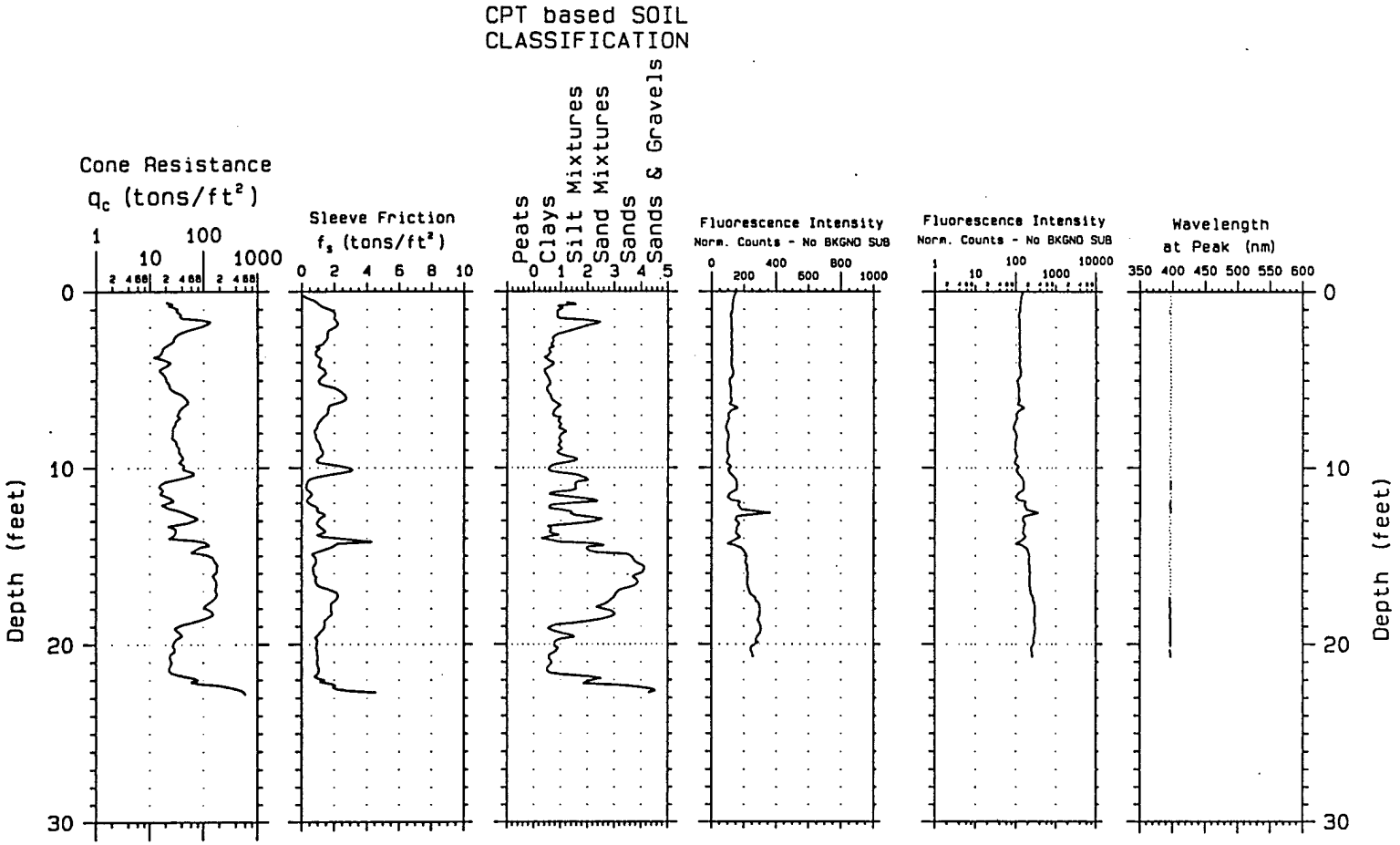
Project; Rickenbacker ANG

Probe Depth; 22.48

CPT; 8RKRF1

Probing date; 02-22-1995

between ESMP-11 & ESMP-8



LIF 7

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

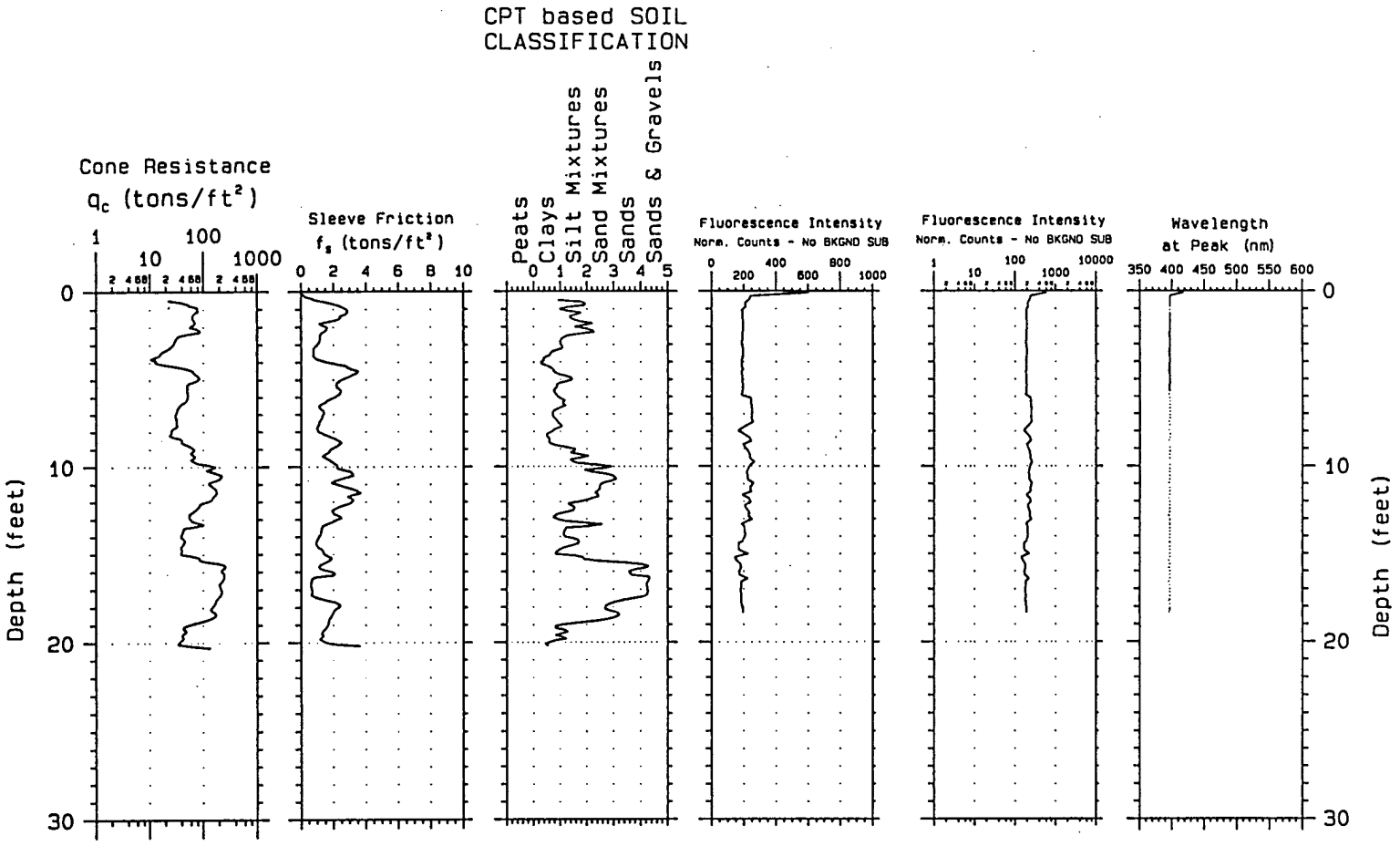
Probe Depth; 22.95

CPT; 9RKRF1

Probing date; 02-22-1995

ESMP-45 12.58

ESMP-4D 22.54



L1F8

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

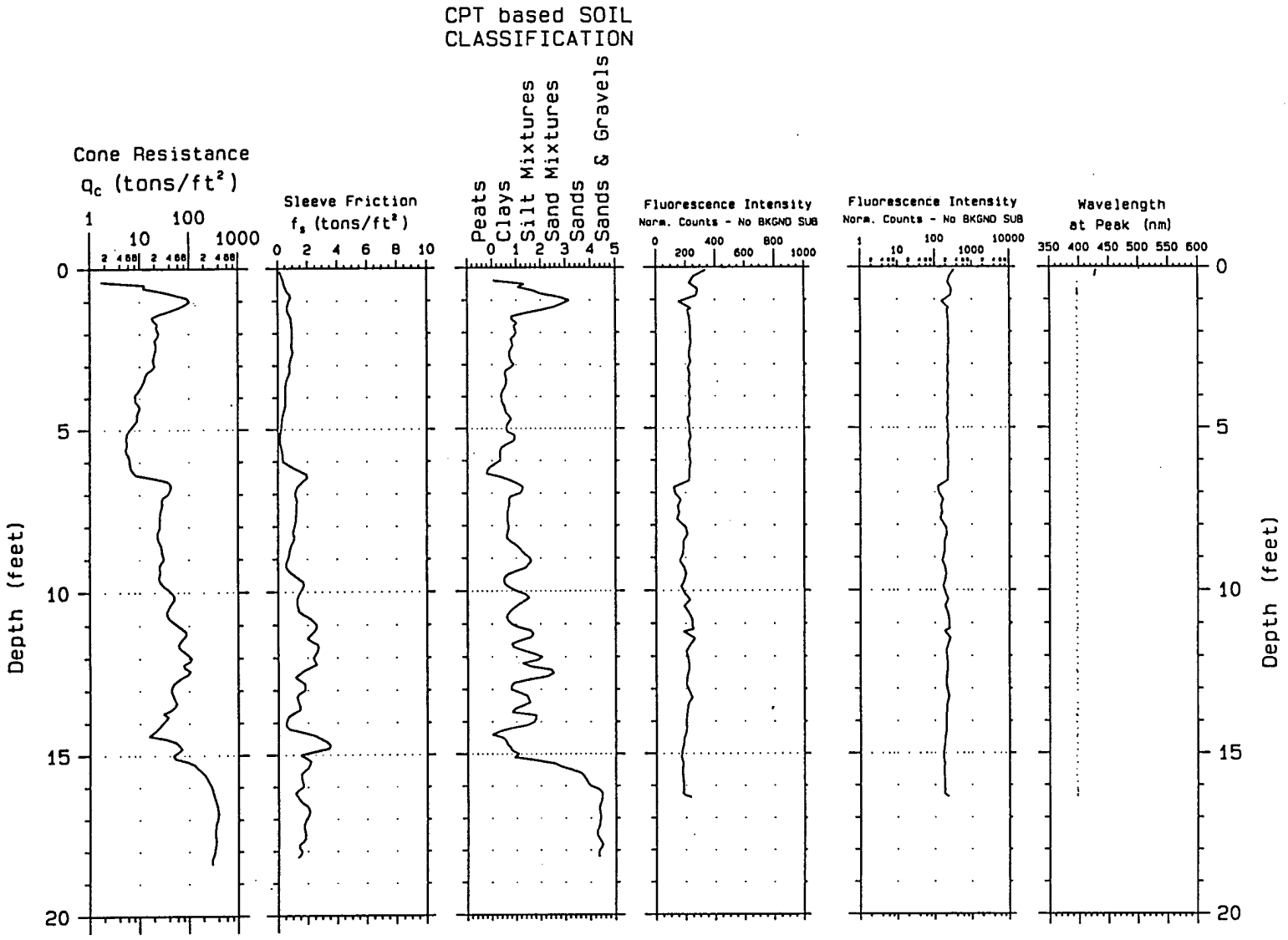
Probe Depth; 20.48

CPT; 10RKRF1

Probing date; 02-22-1995

ESMP-1S 11.7

ESMP-1D 18.8



L1F9

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

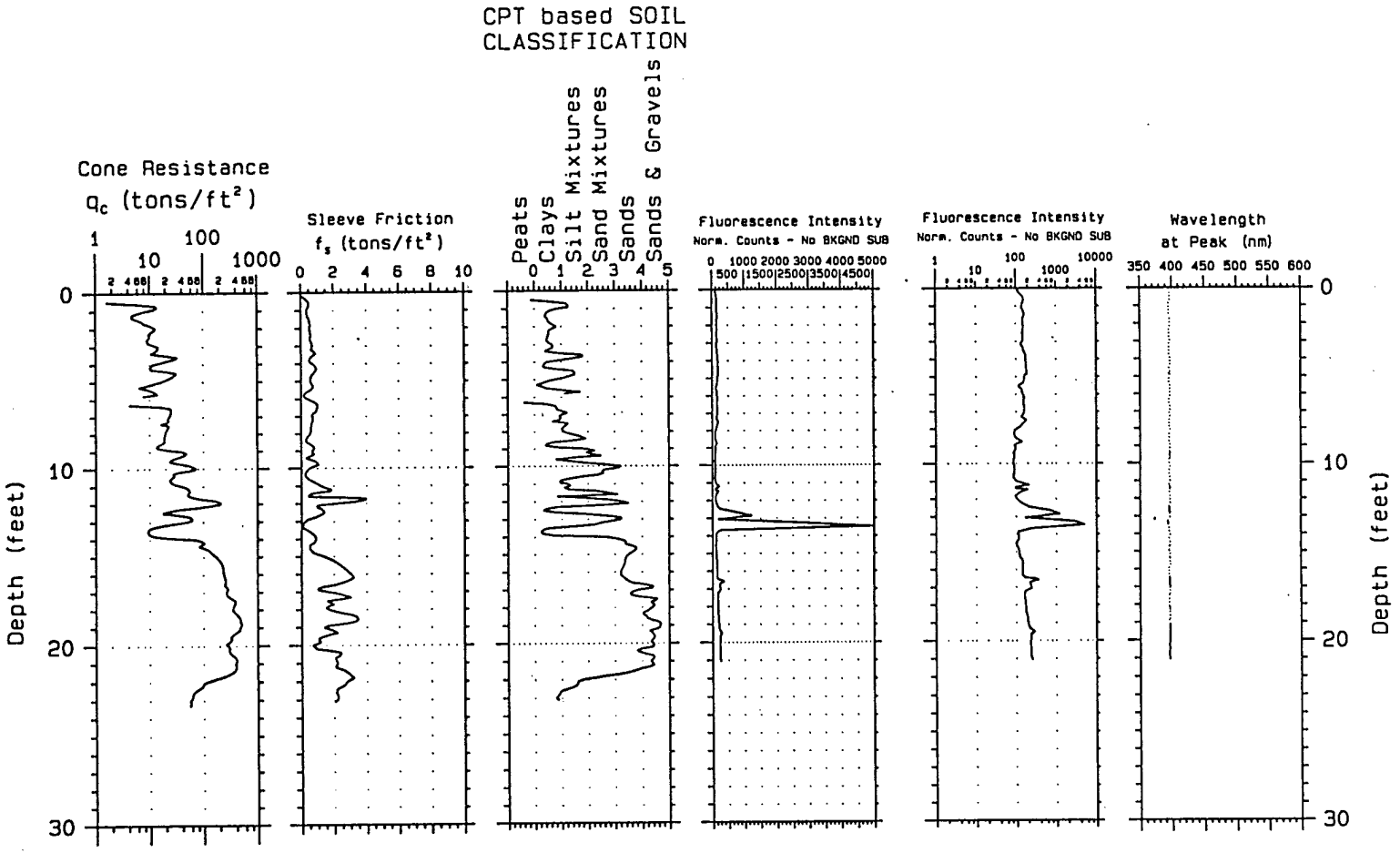
Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

Probe Depth; 18.55

Probing date; 02-22-1995

CPT; 11RKRF1



LIF 11

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

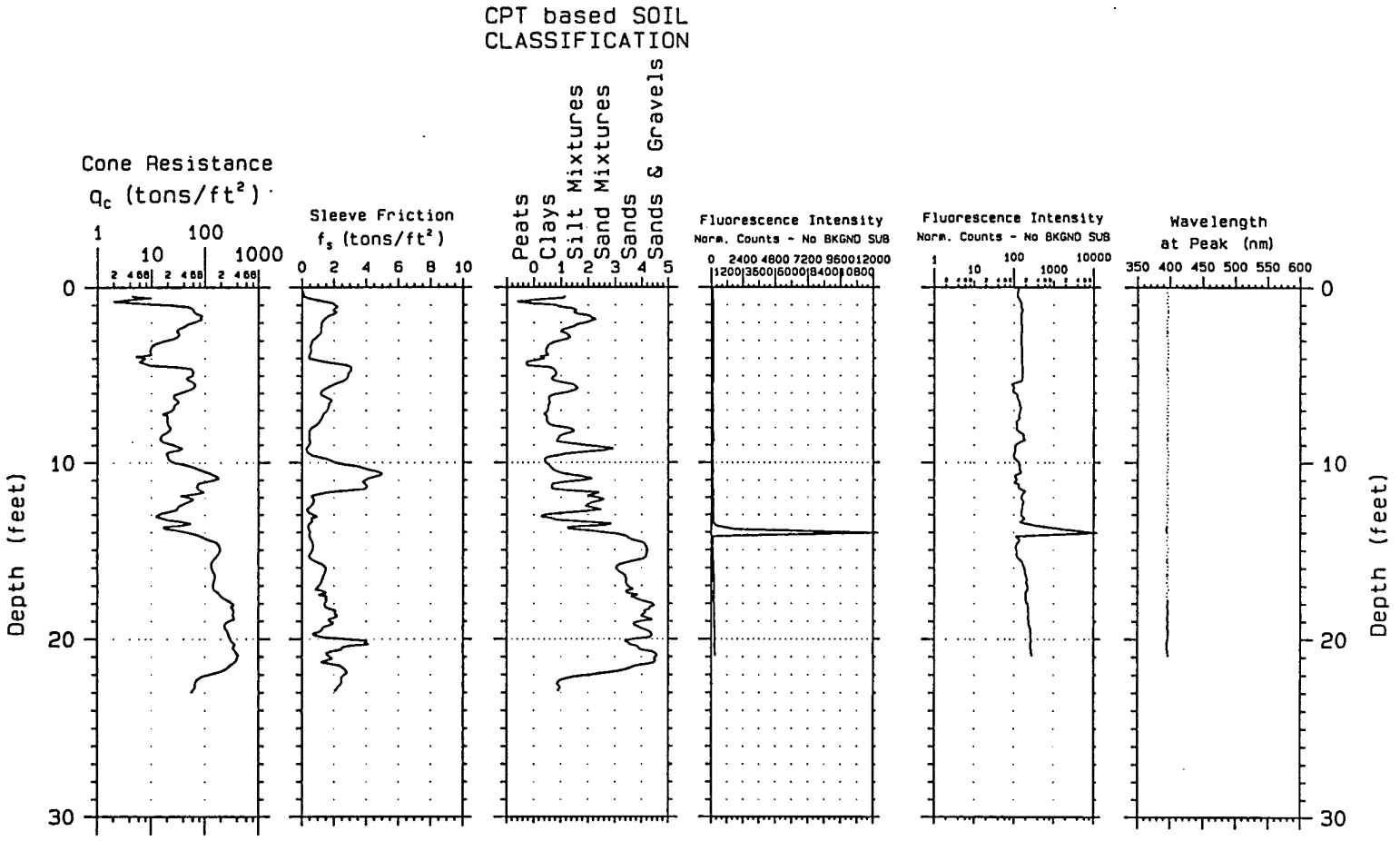
Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

Probe Depth; 23.40

CPT; 13RKRF1

Probing date; 02-22-1995



L1F12

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

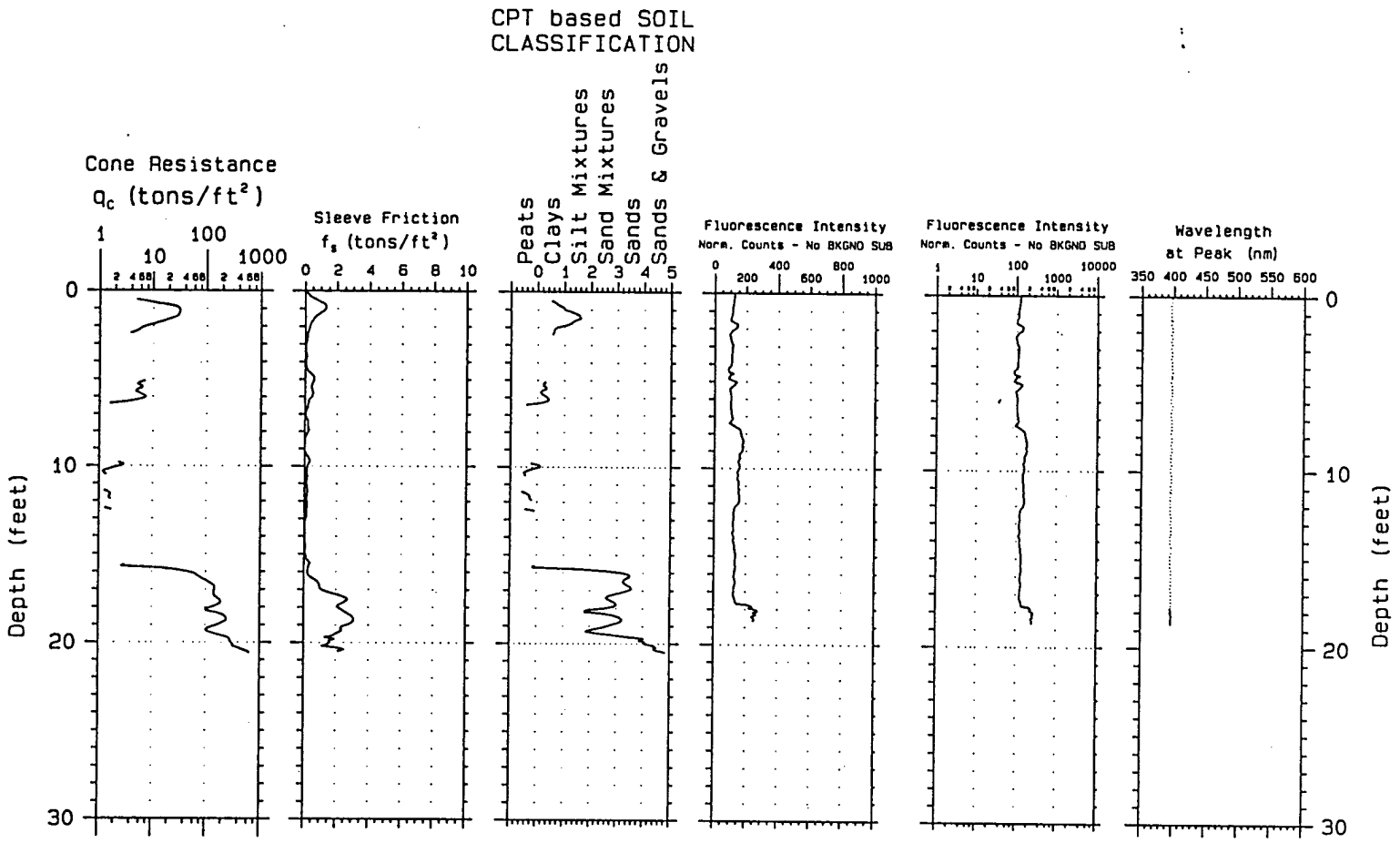
Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

Probe Depth; 23.19

Probing date; 02-22-1995

CPT; 14RKRF1



LIF 13

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

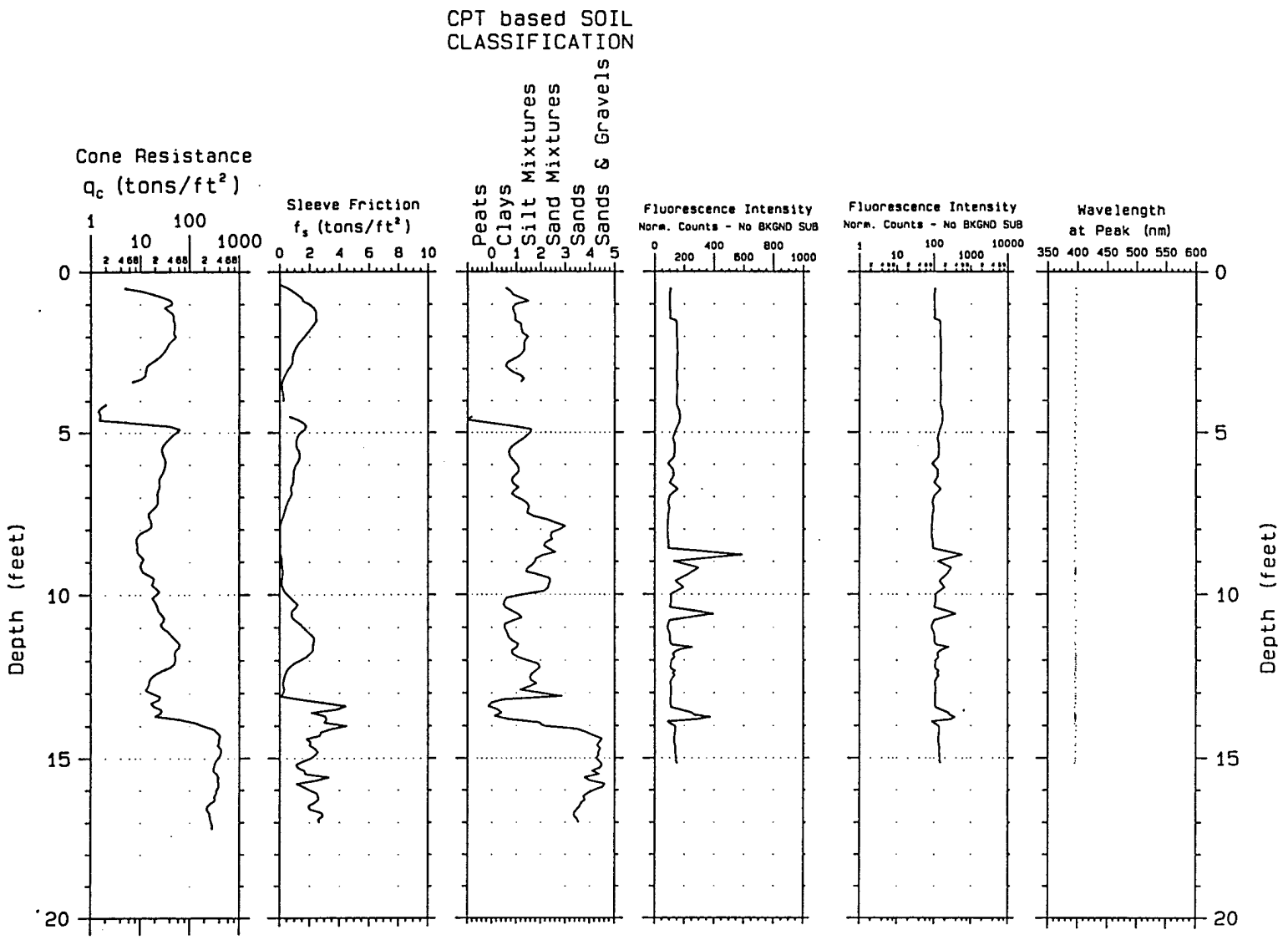
Probe Depth; 20.80

Probing date; 02-22-1995

CPT; 15RKRF1

ESMP-2S 11.42

ESMP-2D 22.51



L1F14

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

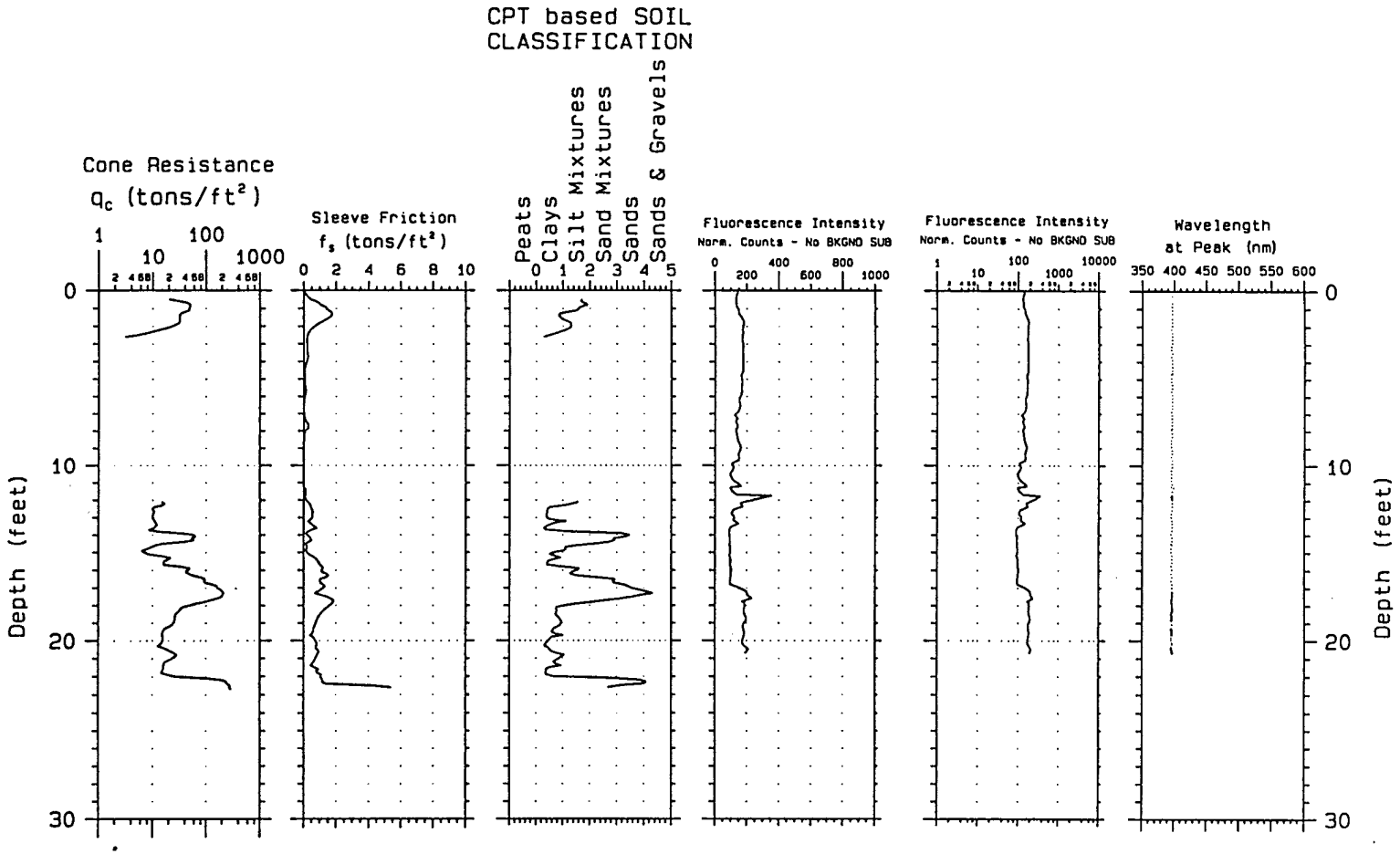
Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

Probe Depth; 17.32

CPT; 16RKRF1

Probing date; 02-22-1995



LIF 15

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

Project; Rickenbacker ANG

Probe Depth; 22.86

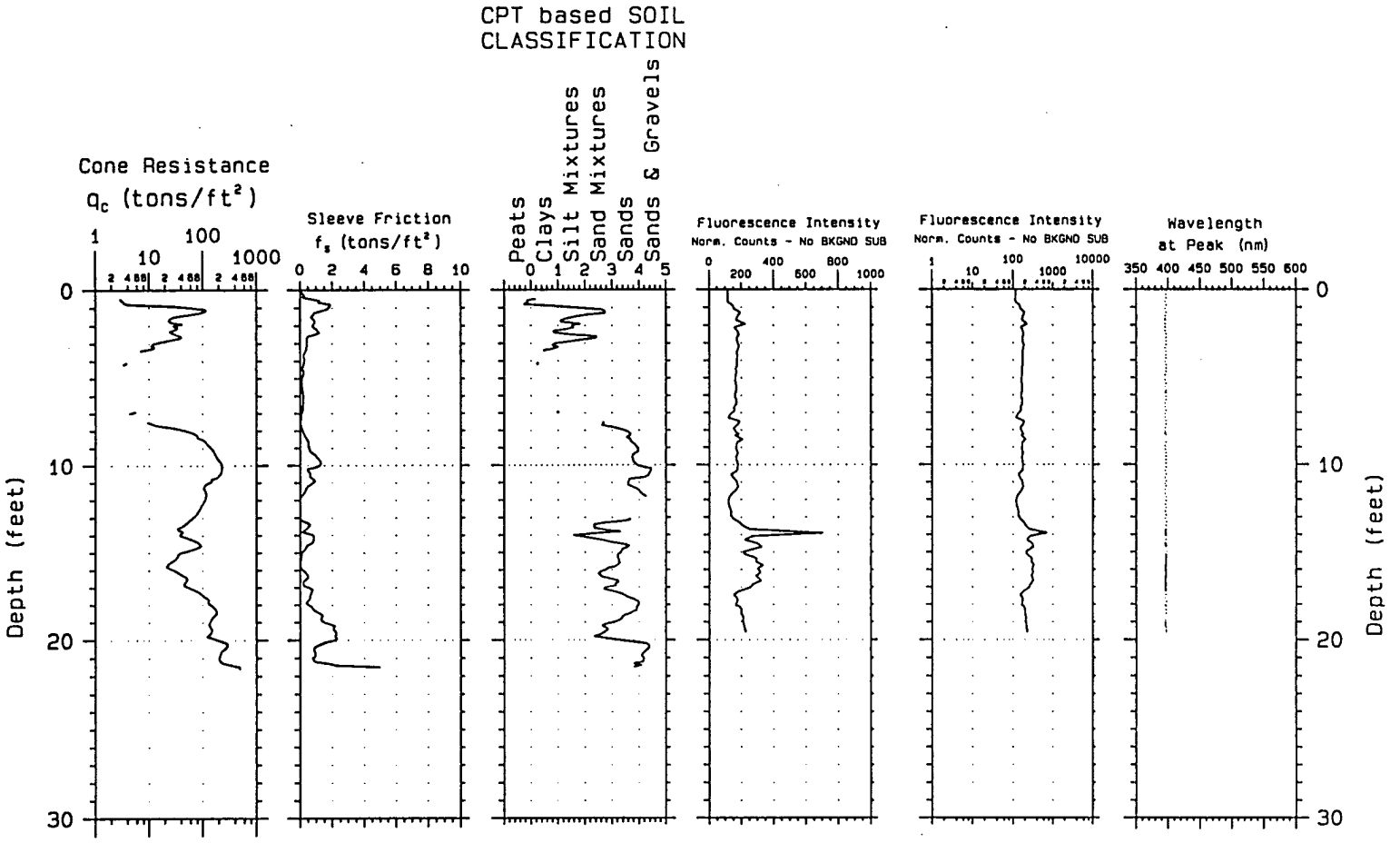
SCAPS

Site Characterization and Analysis Penetrometer System

CPT; 17RKRF1

Probing date; 02-22-1995

ESMP-14S @ 17.7
14D @ 24.58



LIF 16

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

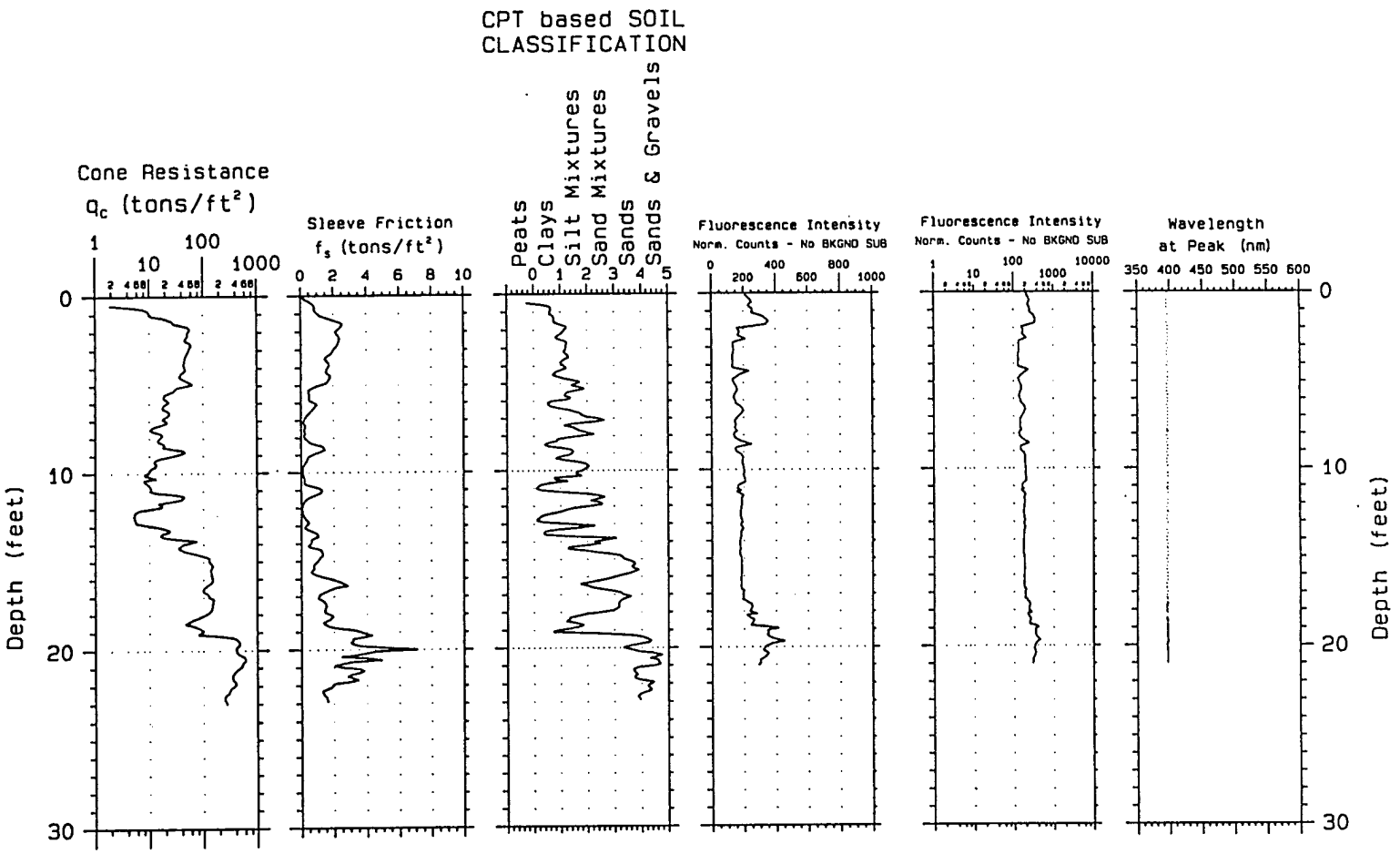
Probe Depth; 21.73

CPT; 18RKRF1

Probing date; 02-22-1995

Near ESMP-16S 15.57

ESMP-16D 27.65



LIF-17

Laser induced fluorescence of POL via fiber optics

U.S.Army Engineer District Kansas City Geotechnical Branch

SCAPS

Site Characterization and Analysis Penetrometer System

Project; Rickenbacker ANG

Probe Depth; 23.16

CPT; 35RKRF1

Probing date; 02-23-1995

near ESMP-9S 11.81

ESMP-9D 21.85

APPENDIX D-2

SOIL BORING LOGS, MAY 1997

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANKB SITE 1		
BORING NUMBER: 1SB101	COORDINATES:		DATE: 5/20/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 5/20 1350
ENGINEER/GEOLOGIST: VAN KEUREN	Depth	Date/Time	DATE COMPLETED: 1410
DRILLING METHODS: GEOPROBE - FIBERTEC BRIAN WALLICK			PAGE 1 OF 1

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0				6-10" 10YR 4/4 dk yellow silty clay. m stiff. dry no odor	CL	NA	NA	PID BKGRND = 1.5 ppm
				10-14" SAA w/ coarse f.s. gravel				0-2 9.5 ppm
2			100%	14" - 4' 10YR 4/4 dk yellow silty clay. m stiff. moist, no odor				2-4 9.3 ppm
4				SAA. Becomes v. moist at 7.5', soft, no odor trace gray mottles, trace coarse gravel				4-6 9.8 ppm
6			100%	grades with more gray				6-8 8.1 ppm
8	1SB101 SOIL			SAA wet @ 9.5' fuel odor. grades with more gray				8-10 450 ppm
			100%					
10		TD 10' BGS						SAMPLE 1SB101S001 COLLECT 8-10' AT 1410.
12								

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE 1		
BORING NUMBER: ISB102	COORDINATES:		DATE: 5/20/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 5/20 1415
ENGINEER/GEOLOGIST: VAN KOUREN	Depth	Date/Time	DATE COMPLETED: 1425
DRILLING METHODS: GEOPROBE			PAGE 1 OF 1

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
2			100%	0-3' 10YR 4/4 dk yel brn s:lt clay dry. Some course f.s. gravel in upper 6": grades moist at bottom (2.5-3')				PID BKGND 1.4 ppm 0-3' 8.2 ppm
4			60%	3-5' SAA. trace gray mottles moist. Wet sand seams at 4.1 and 5.0' BGS Fuel odor at 4.1'.				3-5' 108 ppm SAMPLE ISB102S001 COLLECT 3-5' AT 1425.
6		TD 5' BGS						

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE 1		
BORING NUMBER: ISB103	COORDINATES:		DATE: 5/20/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 5/20 1500
ENGINEER/GEOLOGIST: VAN KOURON	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS: GEOPROBE			PAGE 1 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0								PID (HNU) BKGND 1.0 ppm
			100%	0-4' 10YR 4/4 dk yel brn silty clay with some 10YR 5/1 gray mottles. trace coarse sand dry grades to moist. sl. stiff no odor	CL			0-2 10.7 ppm
2								2-4 9.3 ppm
4				4-8' SAA. occasional coarse gravel. wet sandy seam 4.6-5.0'. wet at 7.1'. sl. stiff. soft at 7.1				4-6 6.3 ppm
6			100%					6-8 7.2 ppm
8				8-11.3 SAA. grades to 10YR 3/2 @ 9'				
			100%	11.3-12 10YR 3/2 sl. silty med SAND. well rounded wet. no odor. Poorly graded. loose.	SP			
10								
12								

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RMA-GB SITE 1	
BORING NUMBER: ISB103	COORDINATES:	DATE: 5/20/97
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 5/20
ENGINEER/GEOLOGIST: VAN KEUREN	Depth Date/Time	DATE COMPLETED:
DRILLING METHODS:		PAGE OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
12			100%	12-14.5 SAA (10YR3/2 poorly graded med. sand.) well rounded. wet no odor. Trace coarse sand and fine gravel.	SP			SCREEN (SLOTTED DRIVE POINT) SET 11.5-13.5'
14				14.5-16' 10YR 5/1 Gray SILT, wet	~~SM~~ ML	MH		
			100%					SAMPLE ISB103G001 COLLECTED AT 1620
16			50%	16-18' 10YR 5/1 Poorly graded med well rounded SAND. Trace coarse gravel. wet. Loose. No odor.	SP			
18			35%	18-20 10YR 5/1 well graded coarse SAND with fine gravel. wet. Loose, No odor Grades coarser. Trace coarse gravel (Piece in shoe of sampler)	SW			SAMPLE ISB103G002 COLLECT AT 1750 SCREEN SET 18-20' BGS.
20			25%	20-21.7' SAA. (coarse gravel bags Slickey sample. 21.7-22' 10YR 3/1 v. dk gray silty ~~clay~~ CLAY. v. stiff. moist. (Basal Till)	CL			
22								

NOTES: STOPPED AT 14.5' - difficult drive - sample lmon collapsed. Drove 2' lg bore sampler 14'-16'

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE 1		
BORING NUMBER: 1SB104	COORDINATES:		DATE: 5/21/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 0915
ENGINEER/GEOLOGIST: VAN KEUREN	Depth	Date/Time	DATE COMPLETED: 1120
DRILLING METHODS: GEOPROBE			PAGE 1 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
2			100%	0-4' 10YR 4/4 dk yel brn silty CLAY w/ ~50-25% 10YR 5/2 mottles dry. Grades moist w/ fewer mottles No odor, n. stiff.	CL			PID w/ HNU (11.7) BLEND 1.4 ppm 0-2 4.8 ppm
4								2-4 3.7 ppm
6			100%	4-8 SAA Grades with 10YR 5/1 gray mottles. Trace coarse sand and gravel. n stiff moist grades to v. moist. no odor				4-6 3.7 ppm
8				SAA. wet at 8.2' n. stiff. no odor.				6-8 3.2 ppm
10			RUN 2 100%					
12								

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RIVERS SITE 1		
BORING NUMBER: ISB104	COORDINATES:		DATE: 5/21/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: VAN BOUREN	Depth	Date/Time	DATE COMPLETED: 1120
DRILLING METHODS:			PAGE 2 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
12				SAA. TO 15' Cobbles w/ more coarse sand and gravel. wet. m stiff no odor.. 6" sandy clay zone at 14-14.5'.				
14			80%					
				coarse GRAVEL at 15'. Poorly graded. wet.	GP			SCT SCREEN (SLOTTED DRIVE POINT) AT 15-17' @ 0950
16			25%	10YR 4/2 SILTY CLAY with ~30% coarse sand and gravel. wet. m. stiff no odor	? CL			COLLECT ISB104G001 AT 1010.
18			100%	10 YR 4/1 dk grey SILT with some coarse sand and fine gravel. moist. stiff. no odor	ML			
20			100%	20-22' SAA. w/ coarse sand and fine gravel. stiff. moist. no odor				No DEEP WATER SAMPLE ATTEMPTED
22			25%	SAA. wet. no odor. m stiff. coarse piece of LS. in shoe. (only drove to 23')	CL			
24			75%	23-25' 10YR 4/1 v dk grey silt CLAY v. stiff moist w/ coarse sand and gravel				

NOTES:

· DROVE MACROCORE TO 16' BGS. DROVE CC BORE SAMPLER 16-18' - V. HARD DRIVE - COARSE GRAVEL REFUSAL AT 23' - POSSIBLY COARSE GRAVEL OR COBBLE DROVE TO 23.7' WITH SOLID DRIVE POINT

28' BGS TD

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE		
BORING NUMBER: ISB105	COORDINATES:		DATE: 5/21/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 1120
ENGINEER/GEOLOGIST: VAN LEEUWEN	Depth	Date/Time	DATE COMPLETED: 1335
DRILLING METHODS: GEOPROBE			PAGE 1 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0			100%	0-4' 10YR 4/6 dk yel brn silty CLAY. Moist. stiff. no odor w/ 10YR5/1 gray mottles. No sand or gravel noted	CL			PID (HNu 11.7) BKGND 1.4 ppm 0-2 7.0 PPM
4				4-8' SAA. trace coarse sand, fine gravel. stiff moist. Becomes m. stiff and v. moist at 7.5'				2-4 5.6 PPM
6			100%					4-6 11.5 PPM
8				8-12 10YR 3/2 v. dk gray brn silty clay w trace coarse sand and gravel, wet. no odor				6-8 8.6 PPM
10			100%					
12								

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE 1		
BORING NUMBER: 158105	COORDINATES:		DATE: 5/21/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 1130
ENGINEER/GEOLOGIST: VAN ICEUREN	Depth	Date/Time	DATE COMPLETED: 1335
DRILLING METHODS:			PAGE OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
12				12-14' SAA.	CL			
				14-14.5' well graded coarse GRAVEL wet. no color. loose.				SET SLOTTED DRIVE POINT 14-16' BGS @ 1205
14			100%	14.5-15.5' 10YR 4/4 silty CLAY. wet. m stiff.	GW			
				15.5-16' well graded coarse SAND	CL			
					SW			1220 COLLECT 158105600 1 158105600 1MS
16				16-17' 10YR 4/1 dk gray SILT. moist. no sand or gravel	ML			158105600 1MSD (LAB ALREADY RAN MS/MSD)
			75%	17-18' Poorly sorted m. SAND wet	SP			
18				18-19.4 SAA - well graded grades to coarse poorly graded SAND.				
			80%	19.4-20' poorly graded GRAVEL. wet. loose.	GP			
20				20-22. well graded fine to coarse GRAVEL w/ medium sand. wet. Loose	GW			SET SLOTTED DRIVE POINT 20-22' COLLECT 158105G002 AT 1335
			50%					
22				22-23.8 SAA.				
			100%	23.8-24 10YR 4/2 dk gray brown silty CLAY. moist. hard				
24					CL			

NOTES: MACRO CORE TO 16'. DRIVE CL BORE 16-18'

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANCO SITE 7		
BORING NUMBER: 15B166	COORDINATES:		DATE: 5/21/90
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 1450
ENGINEER/GEOLOGIST: VAN KEUREN	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS: GEOPROBE			PAGE OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
				0-4' 10YR 4/6 silty CLAY with 10YR 6/1 mottles. S. moist. stiff. grades to moist, m. stiff. Trace coarse sand, f. gravel, no odor	CL			PID (HNu 11.7) BKGND 1.5 ppm
2			100%					0-2 5.0 ppm
4				4-6' SAA grades to 10YR 4/4 from 4 to 5'. m stiff. Wet at 6.7'. soft. grades to w/ coarse sand and fine gravel no odor				2-4 2.7 ppm
6			100%					4-6 3.7 ppm
8				8-12' SAA w/ coarse sand and fine to coarse gravel soft. wet. no odor				6-8 3.9 ppm
10			100%					

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE 1		
BORING NUMBER: SB106	COORDINATES:		DATE: 5/21/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: VAN KEUREN	Depth	Date/Time	DATE COMPLETED: 1705
DRILLING METHODS: GEOPROBE			PAGE 2 OF 2

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
12				10YR 4/4 dk yel brn sandy CLAY. soft. wet. no odor	SC			
				14.5 - 15.1 well graded coarse SAND. wet, loose. no odor				SET SLOTTED DRIVE POINT 14'-16'
14			100%	15.1 - 16.0' poorly graded m. SAND. wet, loose. no odor	SW			
					SP			COLLECT 1SB106G001 @ 1550
16				16 - 16.7' fine poorly graded SAND				
			75%	16.7 - 18' 10YR 5/1 gray SILT. v. stiff. moist. no sand or gravel.	ML			
18				18-20 well graded fine to coarse GRAVEL with medium sand. wet. loose (drilling hard from 18' down no odor	GW			SET SLOTTED DRIVE POINT 20-22'
			25%					
20				SAA - sample jammed in sample tube - no detailed logging possible				COLLECT 1SB106G002 @ 1725
			100%					
22				SAA - sample jammed - no detailed logging possible.				
			100%					
24				24-26' 10YR 4/1 dk gray silty CLAY. stiff to v. stiff moist. Trace coarse sand	CL			
			100%					
26								

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGE SITE 1		
BORING NUMBER: 1SB107	COORDINATES:		DATE: 5/22/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 0845
ENGINEER/GEOLOGIST: VAN ILOUREN	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS:			PAGE 1 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0				0-4' 10YR 4/6 dk yel brn silty CLAY. Trace coarse sand and gravel. 10YR 6/1 grey mottles. m. st. moist. no odor	CL			PID (11.7 lamp) BKGND 1.3 ppm
2			100%					0-2 10.2 ppm
4				4-8 SAA. Grades with more mottles, with coarse sand and gravel. m. st. v. moist. no odor wet at 7.3' BGS piece of wet coarse gravel at 7.9'				2-4 10.3 ppm
6			100%					4-6 8.3 ppm
8				8-8.5' well graded coarse GRAVEL. wet. loose. no odor	GW			6-8 8.8 ppm
				8.5-12' 10YR 3/4 dk yel brn silty CLAY w/ coarse sand and gravel. wet	CL			
10								
12								

NOTES:

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANDD SITE 1		
BORING NUMBER: ISB107	COORDINATES:		DATE: 5/22/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: JAN ROWLEY	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS:			PAGE 2 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
12				RUN ~~HOLE~~ 11-12' HOLE CAVE.	SP			SET SLOTTED DRIVE POINT 12-14' BGS
14			100%	12-13.8' Poorly graded medium SAND. wet/loose, no odor. 13.8-15' 10YR 3/2 v. dk gray brn silty CLAY. stiff. moist. no odor w/ coarse sand and gravel.	CL			CORRECT ISB107 6001 @ 0950
15								
16			50%	15-17' SAA (10YR 3/2 v. dk gray brn silty CLAY). V. stiff. moist. no odor w/ coarse sand and gravel (piece of coarse gravel in shoe - 50% recovery.				
17								
18			50%	17-19' SAA. v. stiff. moist w/ coarse sand and gravel (piece of gravel in bot of sampler - 50% recovery)				
19					GW			
20			100%	19-19.5 well graded fine GRAVEL. loose. wet. no odor 19.5-21 10YR 3/2 v. dk gray brn silty. v stiff. moist trace coarse sand and fine gravel	CL			
21				21 to 21.6 SAA				
22				21.6-23 well graded fine GRAVEL w/ fine to coarse sand and coarse gravel. wet - loose. no odor	GW			
23								

NOTES: MACRO CORE TO 15'. THEN DRIVE 2' 4¼ BORE SAMPLERS

INTERNATIONAL TECHNOLOGY CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 762970	PROJECT NAME: RANGS SITE 1		
BORING NUMBER: ISB107	COORDINATES:		DATE: 5/22/97
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: VAN KEUREN	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS: GEOPROBE			PAGE 3 OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
23			2ft	SAA. Piece of coarse gravel in shoe, sample jammed in liner - no detailed logging possible v. hard driving at 24.7' - assume to be gray basal till.	GW			SET SLOTTED DRIVE POINT 22-24' BGS COLLECT ISB107G002 @ 1105.
25								

NOTES:

APPENDIX E

BACKGROUND AND SITE CONTAMINANT DATA SUMMARY STATISTICS

TABLE E.1
SUMMARY OF BACKGROUND SOIL MONITORING DATA [a/]
RICKENBACKER ANGB, OHIO

Chemical	Frequency of Detection [b/]	Statistical Distribution [c/]	95% UCL [d/] mg/kg [e/]
ALUMINUM	15/15(100)	N	15095
ANTIMONY	0/15(0)	NA	NA
ARSENIC	15/15(100)	L	15.9
BARIUM	15/15(100)	N	149
BERYLLIUM	13/15(87)	N	0.89
CADMIUM	7/15(47)	NP	0.77
CALCIUM	15/15(100)	L	43888
CHROMIUM	15/15(100)	N	18.8
COBALT	15/15(100)	N	14.8
COPPER	15/15(100)	N	29.3
IRON	15/15(100)	L	30997
LEAD	15/15(100)	L	22.5
MAGNESIUM	14/15(93)	L	10328
MANGANESE	15/15(100)	L	746
MERCURY	0/15(0)	NA	NA
NICKEL	15/15(100)	L	44.1
POTASSIUM	14/15(93)	N	1629
SELENIUM	0/15(0)	NA	NA
SILVER	4/15(27)	NP	1.2
SODIUM	0/15(0)	NA	NA
THALLIUM	0/15(0)	NA	NA
VANADIUM	15/15(100)	N	36.1
ZINC	15/15(100)	N	92.1

Source: (IT, 1997d).

[a/] Background soil summary statistics for surface soils (0 to 2 feet below ground surface).

[b/] Number of detects/Number of data points; frequency of detection percentage shown in parentheses.

[c/] Statistical Distribution: N = Normal distribution; L = Lognormal distribution; NP = nonparametric distribution; and NA = distribution not applicable.

[d/] 95 percent upper confidence limit (UCL) of the mean based on the statistical distribution.

[e/] mg/kg = milligrams per kilogram.

TABLE E.2
SUMMARY OF BACKGROUND GROUNDWATER MONITORING DATA [a/]
RICKENBACKER ANGB, OHIO

Chemical	Frequency of Detection [b/]	Statistical Distribution [c/]	95% UCL [d/] (mg/L) [e/]
ALUMINUM	6/8(75)	L	5.5
ANTIMONY	0/8(0)	NA	NA
ARSENIC	2/8(25)	NP	0.0055
BARIUM	8/8(100)	N	0.097
BERYLLIUM	0/8(0)	NA	NA
CADMIUM	0/8(0)	NA	NA
CALCIUM	8/8(100)	L	170
CHROMIUM	0/8(0)	NA	NA
COBALT	0/8(0)	NA	NA
COPPER	0/8(0)	NA	NA
IRON	7/8(88)	L	363
LEAD	0/8(0)	NA	NA
MAGNESIUM	8/8(100)	N	63.9
MANGANESE	8/8(100)	L	1.34
MERCURY	0/8(0)	NA	NA
NICKEL	0/8(0)	NA	NA
POTASSIUM	1/8(13)	NP	< 0.6 [f/]
SELENIUM	0/8(0)	NA	NA
SILVER	1/8(13)	NP	< 0.005
SODIUM	8/8(100)	L	11.3
THALLIUM	0/8(0)	NA	NA
VANADIUM	0/8(0)	NA	NA
ZINC	6/8(75)	N	0.028

Source: (IT, 1997d).

[a/] Groundwater evaluated for the upper water bearing zone.

[b/] Number of detects/Number of data points; frequency of detection percentage shown in parentheses.

[c/] Statistical Distribution: N = Normal distribution; L = Lognormal distribution; NP = nonparametric distribution; and NA = distribution not applicable.

[d/] 95 percent upper confidence limit (UCL) of the mean based on the statistical distribution.

[e/] mg/L = milligrams per liter.

[f/] < = 95 percent UCL value (nonparametric) cannot be determined, but is less than the value shown.

TABLE E.3
LOCATION OF MAXIMUM SOIL CONTAMINANT CONCENTRATIONS [a/]
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Detected Analytes	Maximum Detected Site Concentration (mg/kg)	Sample Location	Sample Interval (feet bgs)	Date of Sample Collection
Inorganics				
Aluminum	18,000	VWMP4SO51	3-4	17-JUN-97
Antimony	6 BNJ	AB9-SS2	8 - 10	23-Jan-90
Arsenic	42 N	HB4-SS2	0 - 2	6-Jul-88
Barium	190	VWMP4SO51	3-4	17-Jun-97
Beryllium	1.2	VWMP4SO51	3-4	17-JUN-97
Cadmium	9.1	SU9+10-GS1	0 - 2	14-Jun-88
Chromium	25.6	SU5+6-GS1	0-2	14-JUN-88
Cobalt	17	VWMP4SO01	3-4	17-JUN-97
Copper	73.1	SU9+10-GS1	0 - 2	14-Jun-88
Lead	382	AB4-SS1	3 - 5	23-Jan-90
Manganese	640	VWMP4SO51	3-4	17-Jun-97
Mercury	2.6	SU-26	0 - 2	18-Jan-90
Nickel	60	HB4-SS2	0 - 2	6-Jul-88
Selenium	1.9	VWMP2SO01	3-4	16-JUN-97
Silver	7.2	SU26	0 - 2	18-JAN-90
Thallium	10.5	MW3-SS2	8 - 10	10-Aug-88
Vanadium	38	VWMP4SO51	3-8	17-Jun-97
Zinc	522 J	SS6	0 - 2	Oct-91
Organics				
Acenaphthene	0.002	SU-44	0 - 2	18-Jan-90
Acetone	7.6B	VWMP1SO02	7.5-8.5	16-Jun-97
Anthracene	0.58	SU5+6-GS1	0-2	14-JUN-88
Benzo(a) Pyrene	2.6	SU5+6-GS1	0-2	14-JUN-88
Benzo(a)Anthracene	2.1	SU5+6-GS1	0-2	14-JUN-88
Benzene	15	AB14-SS2	8 - 10	25-Jan-90
Benzo(b)Fluoranthene	3.2	SU5+6-GS1	0-2	14-JUN-88
Benzo(g,h,i)perylene	1.7	SU5+6-GS1	0-2	14-JUN-88
Benzo(k)Fluoranthene	2.8	SU5+6-GS1	0-2	14-JUN-88
Bis(2-ethylhexyl)Phthalate	4.1	SU5+6-GS1	0 - 2	14-Jun-88
Bis(2-Chlorethyl)Ether	0.008 J	SU-44	0 - 2	18-Jan-90
n-Butylbenzene	0.64	1SB101	3-5	May-97
sec-Butylbenzene	0.75	1SB101	3-5	May-97
2-Chlorophenol	0.008 J	SU-44	0 - 2	18-Jan-90
Chrysene	2.8	SU5+6-GS1	0-2	14-JUN-88
Dibenz(a,h)Anthracene	0.36	SU5+6-GS1	0-2	14-JUN-88
Di-n-Butylphthalate	6.5	SU11+12-GS1	0 - 2	14-Jun-88
1,2-Dichloroethane	0.0027JB	VWMP4SO51	3 - 8	17-Jun-97
cis-1,2-Dichloroethene	5.8	HWSA-TP48-2WD	ETP [b/]	16-Feb-95
trans-1,2,-Dichloroethene	0.57	HWSA-TP48-2WD	ETP	16-Feb-95
Ethylbenzene	170	1SB102	3 - 5	May-97
Fluoranthene	4.1	SU5+6-GS1	0-2	14-JUN-88
Fluorene	1.4	SU11+12-GS1	0 - 2	14-Jun-88
Indeno(1,2,3-cd)Pyrene	1.7	SU5+6-GS1	0-2	14-JUN-88
Isopropylbenzene	9.2	1SB101	3-5	May-97
Methylene Chloride	2.7B	VWMP1SO01	3.5-4.5	16-Jun-97
Methyl Ethyl Ketone	63EB	VWMP1SO01	3.5-4.5	16-Jun-97
2-Methylnaphthalene	23	HB2-SS2	0 - 2	14-Jun-88
4-Methyl-2-Pentanone	0.009	VWMP4SO01	3-4	17-Jun-97
Naphthalene	5.4	HB2-SS2	0 - 2	14-Jun-88
3-Nitroaniline	0.024 J	SU-44	0 - 2	18-Jan-90
4-Nitroaniline	0.03 J	SU-44	0 - 2	18-Jan-90
Phenanthrene	5.6	HB2-SS2	0-2	14-Jun-88
n-Propylbenzene	1.7	1SB101	3-5	May-97
Pyrene	5.6	SU5+6-GS1	0-2	14-JUN-88
Styrene	0.036	VW1SO01	8-9	16-Jun-97
1,1,2,2-Tetrachloroethane	0.0063	HWSA-TP48-2W	ETP	16-Feb-95
Toluene	2.0	1SB102	3-5	May-97
1,2,3-Trichlorobenzene	0.46	1SB101	3-5	May-97
1,1,1-Trichloroethane	0.086 J	MW7-SS2	8 - 10	30-Jan-90
Trichloroethene	2.6	HWSA-TP48-2W	ETP	16-Feb-95
1,2,4-Trimethylbenzene	4.3	1SB102	3-5	May-97
1,3,5-Trimethylbenzene	2.0	1SB101	3-5	May-97
Vinyl Chloride	0.0013	HWSA-TP48-2WD	ETP	16-Feb-95
m/p-Xylene	15	AB14-SS2	8 - 10	25-Jan-90
o-Xylene	1,900	HB1-SS3	3 - 5	14-Jun-88

a/ Considers all historic soil data for the area encompassed by the HWSA fence. Soil samples collected between approximately 0 and 10 feet outside of the fence boundary are also included. This data also includes 1997 soil data from the additional assessment activities.

b/ ETP = Excavation tank pit bottom and represents subsurface soils. Exact sample depth not available.

TABLE E.4
SUMMARY OF JUNE/JULY 1997 GROUNDWATER MONITORING DATA
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

ANALYTE	FREQUENCY OF DETECTION[a/]	MAXIMUM VALUE (mg/L)[b/]	STATISTICAL DISTRIBUTION[c/]	95% UCL[d/] (mg/L)
INORGANICS				
ALUMINUM	15/18(83)	2.2	L	0.585
ALUMINUM-D	17/18(94)	0.11	L	0.060
ANTIMONY	0/18(0)	NA	NA	NA
ANTIMONY-D	2/18(11)	0.057	NP	< 0.040 [e/]
ARSENIC	5/18(28)	0.013	NP	< 0.005
ARSENIC-D	7/18(39)	0.019	NP	0.0069
BARIUM	18/18(100)	0.36	L	0.200
BARIUM-D	18/18(100)	0.36	L	0.198
BERYLLIUM	0/18(0)	NA	NA	NA
BERYLLIUM-D	0/18(0)	NA	NA	NA
CADMIUM	13/18(72)	0.034	L	0.0226
CADMIUM-D	13/18(72)	0.026	N	0.0138
CALCIUM	18/18(100)	210	NP	120
CALCIUM-D	18/18(100)	210	NP	120
CHROMIUM	0/18(0)	NA	NA	NA
CHROMIUM-D	0/18(0)	NA	NA	NA
COBALT	0/18(0)	NA	NA	NA
COBALT-D	0/18(0)	NA	NA	NA
COPPER	13/18(72)	0.0096	N	0.0051
COPPER-D	17/18(94)	0.017	L	0.0069
IRON	18/18(100)	7.4	L	19.9
IRON-D	16/18(89)	5.7	N	2.41
LEAD	2/18(11)	0.026	NP	< 0.002
LEAD-D	12/18(67)	0.018	L	0.0051
MAGNESIUM	18/18(100)	76	NP	40.0
MAGNESIUM-D	18/18(100)	76	NP	40.0
MANGANESE	18/18(100)	6.7	L	2.53
MANGANESE-D	18/18(100)	1.0	L	1.44
MERCURY	3/18(17)	0.00032	NP	< 0.0002
MERCURY-D	1/18(6)	0.00077	NP	< 0.0002
NICKEL	0/18(0)	NA	NA	NA
NICKEL-D	0/18(0)	NA	NA	NA
POTASSIUM	15/18(83)	1.7	N	1.23
POTASSIUM-D	17/18(94)	2.3	N	1.48
SELENIUM	4/18(22)	0.0098	NP	< 0.005
SELENIUM-D	1/18(6)	0.0054	NP	< 0.005
SILVER	0/18(0)	NA	NA	NA
SILVER-D	1/18(6)	0.019	NP	< 0.005
SODIUM	18/18(100)	35.0	L	13.5
SODIUM-D	18/18(100)	36.0	L	13.4
THALLIUM	5/18(28)	0.013	NP	< 0.005
THALLIUM-D	1/18(6)	0.0062	NP	< 0.005
VANADIUM	0/18(0)	NA	NA	NA
VANADIUM-D	0/18(0)	NA	NA	NA
ZINC	11/18(61)	0.060	NP	0.015
ZINC-D	18/18(100)	0.022	NP	0.018

TABLE E.4 (Continued)
SUMMARY OF JUNE/JULY 1997 GROUNDWATER MONITORING DATA
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

ANALYTE	FREQUENCY OF DETECTION[a/]	MAXIMUM VALUE (mg/L)[b/]	STATISTICAL DISTRIBUTION[c/]	95% UCL[d/] (mg/L)
SEMIVOLATILE ORGANICS				
1,2,4-TRICHLOROBENZENE	0/33(0)	NA	NA	NA
1,2-DICHLOROBENZENE	0/33(0)	NA	NA	NA
1,3-DICHLOROBENZENE	0/33(0)	NA	NA	NA
1,4-DICHLOROBENZENE	0/33(0)	NA	NA	NA
1-METHYLNAPHTHALENE	0/8(0)	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	0/32(0)	NA	NA	NA
2,4,5-TRICHLOROPHENOL	0/32(0)	NA	NA	NA
2,4,6-TRICHLOROPHENOL	0/32(0)	NA	NA	NA
2,4-DICHLOROPHENOL	0/32(0)	NA	NA	NA
2,4-DIMETHYLPHENOL	0/32(0)	NA	NA	NA
2,4-DINITROPHENOL	0/32(0)	NA	NA	NA
2,4-DINITROTOLUENE	0/32(0)	NA	NA	NA
2,6-DINITROTOLUENE	0/32(0)	NA	NA	NA
2-CHLORONAPHTHALENE	0/32(0)	NA	NA	NA
2-CHLOROPHENOL	0/32(0)	NA	NA	NA
2-METHYLNAPHTHALENE	1/32(3)	0.070	NP	< 0.010
2-METHYLPHENOL	0/32(0)	NA	NA	NA
2-NITROANILINE	0/32(0)	NA	NA	NA
2-NITROPHENOL	0/32(0)	NA	NA	NA
3,3'-DICHLOROBENZIDINE	0/32(0)	NA	NA	NA
3-NITROANILINE	0/32(0)	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	0/32(0)	NA	NA	NA
4-BROMOPHENYL-PHENYLETHER	0/32(0)	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	0/32(0)	NA	NA	NA
4-CHLOROANILINE	0/32(0)	NA	NA	NA
4-CHLOROPHENYL-PHENYLETHER	0/32(0)	NA	NA	NA
4-METHYLPHENOL	0/32(0)	NA	NA	NA
4-NITROANILINE	0/32(0)	NA	NA	NA
4-NITROPHENOL	0/32(0)	NA	NA	NA
ACENAPHTHENE	1/32(3)	0.005	NP	< 0.010
ACENAPHTHYLENE	0/32(0)	NA	NA	NA
ANTHRACENE	0/32(0)	NA	NA	NA
BENZO(A)ANTHRACENE	0/32(0)	NA	NA	NA
BENZO(A)PYRENE	0/32(0)	NA	NA	NA
BENZO(B)FLUORANTHENE	0/32(0)	NA	NA	NA
BENZO(G,H,I)PERYLENE	0/32(0)	NA	NA	NA
BENZO(K)FLUORANTHENE	0/32(0)	NA	NA	NA
BENZOIC ACID	0/32(0)	NA	NA	NA
BENZYL ALCOHOL	0/32(0)	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	0/32(0)	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	0/32(0)	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	6/32(19)	0.022	NP	< 0.011
BUTYLBENZYLPHTHALATE	0/32(0)	NA	NA	NA
CARBAZOLE	1/22(5)	0.006	NP	< 0.020
CHRYSENE	0/32(0)	NA	NA	NA
DI-N-BUTYLPHTHALATE	0/32(0)	NA	NA	NA
DI-N-OCTYLPHTHALATE	1/32(3)	0.004	NP	< 0.010
DIBENZ(A,H)ANTHRACENE	0/32(0)	NA	NA	NA
DIBENZOFURAN	1/32(3)	0.002	NP	< 0.010

TABLE E.4 (Continued)
SUMMARY OF JUNE/JULY 1997 GROUNDWATER MONITORING DATA
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

ANALYTE	FREQUENCY OF DETECTION[a/]	MAXIMUM VALUE (mg/L)[b/]	STATISTICAL DISTRIBUTION[c/]	95% UCL[d/] (mg/L)
DIETHYLPHTHALATE	0/32(0)	NA	NA	NA
DIMETHYLPHTHALATE	0/32(0)	NA	NA	NA
FLUORANTHENE	1/32(3)	0.001	NP	< 0.010
FLUORENE	1/32(3)	0.004	NP	< 0.010
HEXACHLOROBENZENE	0/32(0)	NA	NA	NA
HEXACHLOROBUTADIENE	0/33(0)	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	0/32(0)	NA	NA	NA
HEXACHLOROETHANE	0/32(0)	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	0/32(0)	NA	NA	NA
ISOPHORONE	0/32(0)	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	0/32(0)	NA	NA	NA
N-NITROSODIPHENYLAMINE (1)	0/32(0)	NA	NA	NA
NAPHTHALENE	1/32(3)	0.028	NP	< 0.010
NITROBENZENE	0/32(0)	NA	NA	NA
PENTACHLOROPHENOL	0/32(0)	NA	NA	NA
PHENANTHRENE	1/32(3)	0.002	NP	< 0.010
PHENOL	0/32(0)	NA	NA	NA
PYRENE	0/32(0)	NA	NA	NA
VOLATILE ORGANICS				
1,1,1,2-TETRACHLOROETHANE	0/6(0)	NA	NA	NA
1,1,1-TRICHLOROETHANE	0/37(0)	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	0/37(0)	NA	NA	NA
1,1,2-TRICHLOROETHANE	0/37(0)	NA	NA	NA
1,1-DICHLOROETHANE	0/37(0)	NA	NA	NA
1,1-DICHLOROETHENE	2/37(5)	0.014	NP	< 0.001
1,1-DICHLOROPROPENE	0/37(0)	NA	NA	NA
1,2,3-TRICHLOROBENZENE	0/6(0)	NA	NA	NA
1,2,3-TRICHLOROPROPANE	0/6(0)	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	0/6(0)	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	0/6(0)	NA	NA	NA
1,2-DIBROMOETHANE	0/6(0)	NA	NA	NA
1,2-DICHLOROETHANE	3/37(8)	1.2	NP	< 0.001
1,2-DICHLOROPROPANE	1/37(3)	0.0011	NP	< 0.001
1,3,5-TRIMETHYLBENZENE	0/6(0)	NA	NA	NA
1,3-DICHLOROPROPANE	0/6(0)	NA	NA	NA
1-CHLOROHEXANE	0/6(0)	NA	NA	NA
2,2-DICHLOROPROPANE	0/6(0)	NA	NA	NA
2-BUTANONE	0/31(0)	NA	NA	NA
2-CHLOROTOLUENE	0/6(0)	NA	NA	NA
2-HEXANONE	0/31(0)	NA	NA	NA
4-CHLOROTOLUENE	0/6(0)	NA	NA	NA
4-METHYL-2-PENTANONE	1/31(3)	0.001	NP	< 0.001
ACETONE	8/31(26)	0.3	NP	< 0.0025
BENZENE	5/37(14)	0.67	NP	< 0.001
BROMOBENZENE	0/6(0)	NA	NA	NA
BROMOCHLOROMETHANE	0/6(0)	NA	NA	NA
BROMODICHLOROMETHANE	0/37(0)	NA	NA	NA
BROMOFORM	0/37(0)	NA	NA	NA
BROMOMETHANE	0/37(0)	NA	NA	NA

TABLE E.4 (Continued)
SUMMARY OF JUNE/JULY 1997 GROUNDWATER MONITORING DATA
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

ANALYTE	FREQUENCY OF DETECTION[a/]	MAXIMUM VALUE (mg/L)[b/]	STATISTICAL DISTRIBUTION[c/]	95% UCL[d/] (mg/L)
CARBON DISULFIDE	1/37(3)	0.0013	NP	< 0.001
CARBON TETRACHLORIDE	0/37(0)	NA	NA	NA
CHLOROBENZENE	0/37(0)	NA	NA	NA
CHLOROETHANE	1/37(3)	0.0016	NP	< 0.001
CHLOROFORM	0/37(0)	NA	NA	NA
CHLOROMETHANE	0/37(0)	NA	NA	NA
CIS-1,2-DICHLOROETHENE	6/37(16)	1.2	NP	< 0.001
CIS-1,3-DICHLOROPROPENE	0/37(0)	NA	NA	NA
DIBROMOCHLOROMETHANE	0/37(0)	NA	NA	NA
DIBROMOMETHANE	0/6(0)	NA	NA	NA
DICHLORODIFLUOROMETHANE	0/6(0)	NA	NA	NA
ETHYLBENZENE	2/37(5)	0.26	NP	< 0.001
ISOPROPYLBENZENE	0/6(0)	NA	NA	NA
M&P-XYLENE	1/37(3)	0.24	NP	< 0.001
METHYLENE CHLORIDE	0/37(0)	NA	NA	NA
N-BUTYLBENZENE	0/6(0)	NA	NA	NA
N-PROPYLBENZENE	0/6(0)	NA	NA	NA
O-XYLENE	2/37(5)	0.032	NP	< 0.001
P-ISOPROPYLTOLUENE	0/6(0)	NA	NA	NA
SEC-BUTYLBENZENE	0/6(0)	NA	NA	NA
STYRENE	0/37(0)	NA	NA	NA
TERT-BUTYLBENZENE	0/6(0)	NA	NA	NA
TETRACHLOROETHENE	0/37(0)	NA	NA	NA
TOLUENE	2/37(5)	0.012	NP	< 0.001
TRANS-1,2-DICHLOROETHENE	1/37(3)	0.0041	NP	< 0.001
TRANS-1,3-DICHLOROPROPENE	0/37(0)	NA	NA	NA
TRICHLOROETHENE	4/37(11)	1.5	NP	< 0.001
TRICHLOROFLUOROMETHANE	0/6(0)	NA	NA	NA
VINYL ACETATE	0/6(0)	NA	NA	NA
VINYL CHLORIDE	5/37(14)	0.6	NP	< 0.001
XYLENE (TOTAL)	1/37(3)	0.28	NP	< 0.001

Notes:

1. Groundwater data for upper water bearing zone at the site.
2. Summary statistics provided by IT-Cincinnati.

[a/] Number of detects/number of data points; frequency of detection percentage shown in parentheses.

[b/] mg/L = milligrams per liter.

[c/] L = lognormal; NA = distribution not applicable; NP = nonparametric; and N = normal.

[d/] 95 percent upper confidence limit (UCL) of the mean based on the statistical distribution.

[e/] < = 95 percent UCL value (nonparametric) cannot be determined, but is less than the value shown.

RICKENBACKER STATISTICAL ANALYSES

Soils

Upper Confidence Limits (UCLs) on organics:

95% parametric (normal or lognormal)

95% non-parametric (no distributional assumption) on order stats

Summary Statistics:

background = International Technology Corporation bkg results (IT, 1997d)

All statistical calculations and tests for soils were performed using Splus V3.3 for Windows, an object-oriented statistical software language, originally developed at AT&T's Bell Laboratories (StatSci 1993).

It is imperative that any statistical result, regardless of the outcome, be interpreted in the context of all the available site-specific information before conclusions are drawn. The application of professional judgment is a critical step in correctly accepting or rejecting the results of the screening and statistical tests.

To more accurately determine the distribution of the data, a separate graphical distributional analysis was performed for each analyte in the background and the Site data set. Four types of graphs were used to determine distributions: histograms, box plots, normal probability (Q-Q) plots, and density estimation plots (plots available upon request).

The Shapiro-Wilk test (sample size $<=50$) and the Shapiro-Franconia test (sample size >50) were also calculated to assess normality. If the test result conflicted with the distributional analysis described above, the distributional analysis result took precedence.

Upper confidence limits (UCLs) were calculated for the analytes. Q-Q plots were used to determine if the data adequately followed a normal or log-normal distribution.

Calculation of the 95% UCL is based on the distribution of the data set. When the data are determined to adequately fit a normal distribution, the standard UCL formula

will be used on the untransformed data (Rice 1994). The formula will also be applied on the log-transformed data for a data set having a lognormal distribution. The following formula describes the 95% UCL calculation:

$$95\%\ UCL = x + [\ t_{0.95}\ (s/n^{1/2})\ ]$$

Where:

x	=	Sample mean of the untransformed data (for normal distribution) or transformed data (for lognormal distribution)
$t_{0.95}$	=	Student's t-distribution value for a one-tailed test, with n-1 degrees of freedom and significance level (a) of 0.05
s	=	Standard deviation of the untransformed data (for normal distribution) or transformed data (for lognormal distribution)
n	=	Number of samples

Non-parametric 95 percent UCLs were calculated using the method described in Rice (1995), which is based on the order statistics. This method assumes the cumulative distribution function (cdf) is continuous and the observations are independent, it does not depend on the underlying cdf.

Groundwater

Groundwater summary statistics provided by IT using the same general procedures described for soils and procedures used for determining background concentrations at Rickenbacker ANGB (IT, 1997d).

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APPENDIX F

COMPREHENSIVE RISK CALCULATIONS AND RELATED INFORMATION

APPENDIX F-1

RECEPTOR CARCINOGENIC AND NONCARCINOGENIC RISK CALCULATIONS

APPENDIX F
CHEMICAL PROPERTIES FOR CONTAMINANTS
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Contaminant	CAS Number [b]	Type [c]	Soil [COPC] (mg/kg) [d]	Groundwater [COPC] (µg/L) [e]	Chemical Properties [a] MW (g/mol) [f]	Log K_{ow} (unitless)	Ref [g]	Kd (cm^3/g) [h]	H (unitless)	Ref	VF (m^3/kg) [i]	D^{air} (cm^2/sec) [j]	Ref	D^{water} (cm^2/sec)	Ref	t* (hr) [k]	Ref	K_p (cm/hr) [l]	Ref
Volatile Organic Compounds																			
1,1,1-Trichloroethane	71-55-6	o	8.60E-02	ND [p]	133.42	2.48E+00	USEPA, 1996	6.61E-01	7.05E-01	USEPA, 1996	2.22E+03	7.80E-02	USEPA, 1996	8.80E-06	USEPA, 1996	1.40E+00	D	1.70E-02	D
1,1-Dichloroethene	75-35-4	o	ND	1.40E+01	96.94	2.13E+00	USEPA, 1996	3.49E-01	1.07E+00	USEPA, 1996	1.43E+03	9.00E-02	USEPA, 1996	1.04E-05	USEPA, 1996	8.20E-01	D	1.60E-02	D
1,1,2,2-Tetrachloroethane	79-34-5	o	6.30E-03	ND	--	2.39E+00	USEPA, 1996	5.61E-01	1.41E-02	USEPA, 1996	1.42E+04	7.10E-02	USEPA, 1996	7.90E-06	USEPA, 1996	2.20E+00	D	9.00E-03	D
1,2,3-Trichlorobenzene	87-61-6	o	4.60E-01	ND	181.46	4.01E+00	Tombes, 1999	1.08E+01	5.13E-02	Tombes, 1999	4.62E+04	3.00E-02	USEPA, 1996	8.23E-06	USEPA, 1996	9.30E+00	D	1.00E-01	D
1,2,4-Trimethylbenzene	95-63-6	o	4.30E+00	ND	120.2	3.78E+00	Tombes, 1999	7.07E+00	2.12E-01	Tombes, 1999	1.23E+04	6.82E-02	Lyman, 1990	7.55E-06	Lyman, 1990	3.35E+00	C	1.70E-01	C
1,2-Dichloroethane	107-06-2	o	2.70E-03	1.20E+03	98.96	1.47E+00	USEPA, 1996	1.05E-01	4.01E-02	USEPA, 1996	3.93E+03	1.04E-01	USEPA, 1996	9.90E-06	USEPA, 1996	8.40E-01	D	5.30E-03	D
1,2-Dichloroethene, cis-	156-59-2	o	5.80E+00	1.20E+03	96.95	1.86E+00	USEPA, 1996	2.13E-01	1.67E-01	USEPA, 1996	2.91E+03	7.36E-02	USEPA, 1996	1.13E-05	USEPA, 1996	8.20E-01	D	1.00E-02	D
1,2-Dichloroethene, trans-	156-60-5	o	5.70E-01	4.10E+00	96.95	2.07E+00	USEPA, 1996	3.13E-01	3.85E-01	USEPA, 1996	2.32E+03	7.07E-02	USEPA, 1996	1.19E-05	USEPA, 1996	8.20E-01	D	1.00E-02	D
1,2-Dichloropropane	78-87-5	o	ND	1.10E+00	112.99	1.97E+00	USEPA, 1996	2.61E-01	1.15E-01	USEPA, 1996	3.59E+03	7.82E-02	USEPA, 1996	8.73E-06	USEPA, 1996	1.00E+00	D	1.00E-02	D
1,3,5-Trimethylbenzene	108-67-8	o	2.00E+00	ND	120.19	3.42E+00	Tombes, 1999	3.67E+00	3.20E-01	Tombes, 1999	7.29E+03	6.82E-02	Lyman, 1990	7.55E-06	Lyman, 1990	2.33E+00	C	9.44E-02	C
4-Methyl-2-Pentanone	108-10-1	o	9.00E-03	1.00E+00	100.16	1.19E+00	USEPA, 1998	6.29E-02	5.13E-03	USEPA, 1998	1.06E+04	8.59E-02	USEPA, 1998	8.36E-06	USEPA, 1998	2.10E-01	C	1.33E-02	C
Acetone	67-64-1	o	7.60E+00	3.00E+02	58.08	-2.40E-01	USEPA, 1996	4.63E-03	1.59E-03	USEPA, 1996	1.27E+04	1.24E-01	USEPA, 1996	1.14E-05	USEPA, 1996	4.75E-01	C	5.69E-04	C
Benzene	71-43-2	o	1.50E+01	6.70E+02	78.11	2.13E+00	USEPA, 1996	3.49E-01	2.28E-01	USEPA, 1996	2.72E+03	8.80E-02	USEPA, 1996	9.80E-06	USEPA, 1996	6.30E-01	D	2.10E-02	D
Butylbenzene, n-	140-51-8	o	6.40E-01	ND	--	--	--	--	--	--	--	6.38E-02	Lyman, 1990	7.00E-06	Lyman, 1990	--	--	--	--
Butylbenzene, sec-	135-98-8	o	7.50E-01	ND	--	--	--	--	--	--	--	6.38E-02	Lyman, 1990	7.00E-06	Lyman, 1990	--	--	--	--
Carbon disulfide	75-15-0	o	ND	1.30E+00	76.14	2.00E+00	USEPA, 1996	2.75E-01	1.24E+00	USEPA, 1996	1.19E+03	1.04E-01	USEPA, 1996	1.00E-05	USEPA, 1996	6.50E-01	D	2.40E-02	D
Chloroethane	75-00-3	o	ND	1.60E+00	64.52	1.43E+00	Tombes, 1999	9.74E-02	3.48E-01	Tombes, 1999	1.56E+03	9.33E-02	Lyman, 1990	1.09E-05	Lyman, 1990	5.20E-01	D	8.00E-03	D
Ethylbenzene	100-41-4	o	1.70E+02	2.60E+02	106.16	3.14E+00	USEPA, 1996	2.20E+00	3.23E-01	USEPA, 1996	5.43E+03	7.50E-02	USEPA, 1996	7.80E-06	USEPA, 1996	1.30E+00	D	7.40E-02	D
Isopropylbenzene	98-82-8	o	9.20E+00	ND	120.19	3.66E+00	Tombes, 1999	5.68E+00	--	Tombes, 1999	--	6.82E-02	Lyman, 1990	7.55E-06	Lyman, 1990	3.01E+00	C	1.40E-01	C
Methyl ethyl ketone	78-93-3	o	6.30E+01	ND	--	2.80E-01	USEPA, 1998	1.20E-02	1.48E-03	USEPA, 1998	1.30E+04	1.35E-01	USEPA, 1998	1.03E-05	USEPA, 1998	5.80E-01	D	1.10E-03	D
Methylene chloride	75-09-2	o	2.70E+00	ND	--	1.25E+00	USEPA, 1996	7.01E-02	8.98E-02	USEPA, 1996	2.50E+03	1.01E-01	USEPA, 1996	1.17E-05	USEPA, 1996	6.90E-01	D	4.50E-03	D
Propylbenzene, n-	103-65-1	o	1.70E+00	ND	120.19	3.57E+00	Tombes, 1999	4.82E+00	4.30E-01	Tombes, 1999	7.19E+03	6.82E-02	Lyman, 1990	7.55E-06	Lyman, 1990	2.75E+00	C	1.21E-01	C
Styrene	100-42-5	o	3.60E-02	ND	--	2.94E+00	USEPA, 1996	1.53E+00	1.13E-01	USEPA, 1996	7.89E+03	7.10E-02	USEPA, 1996	8.00E-06	USEPA, 1996	9.10E-01	D	5.50E-02	D
Toluene	108-88-3	o	2.00E+00	1.20E+01	92.13	2.75E+00	USEPA, 1996	1.08E+00	2.72E-01	USEPA, 1996	3.97E+03	8.70E-02	USEPA, 1996	8.60E-06	USEPA, 1996	7.70E-01	D	4.50E-02	D
Trichloroethene	79-01-6	o	2.60E+00	1.50E+03	--	2.71E+00	USEPA, 1996	1.00E+00	4.22E-01	USEPA, 1996	3.28E+03	7.90E-02	USEPA, 1996	9.10E-06	USEPA, 1996	1.30E+00	D	1.60E-02	D
Vinyl chloride	75-1-4	o	5.90E-02	6.00E+02	--	1.50E+00	USEPA, 1996	1.11E-01	1.11E+00	USEPA, 1996	1.04E+03	1.06E-01	USEPA, 1996	1.23E-06	USEPA, 1996	5.10E-01	D	7.30E-03	D
Xylene, o-	95-47-6	o	1.90E+03	3.20E+01	--	3.13E+00	USEPA, 1996	2.16E+00	2.13E-01	USEPA, 1996	6.13E+03	8.70E-02	USEPA, 1996	1.00E-05	USEPA, 1996	1.40E+00	D	8.00E-02	D
Xylenes, m- & p-	1330-20-7	o	1.50E+01	2.40E+02	--	3.17E+00	USEPA, 1996	2.32E+00	3.14E-01	USEPA, 1996	5.58E+03	7.69E-02	USEPA, 1996	8.44E-06	USEPA, 1996	1.40E+00	D	8.00E-02	D
Xylenes, total	1330-20-7	o	ND	2.80E+02	106.16	3.13E+00	USEPA, 1996	2.16E+00	2.13E-01	USEPA, 1996	6.13E+03	8.70E-02	USEPA, 1996	1.00E-05	USEPA, 1996	1.40E+00	D	8.00E-02	D
Semi-Volatile Organic Compounds																			
2-Chlorophenol	95-57-8	o	8.00E-03	ND	--	2.15E+00	USEPA, 1996	7.80E-01	1.60E-02	USEPA, 1996	1.83E+04	5.01E-02	USEPA, 1996	9.46E-06	USEPA, 1996	1.30E+00	D	1.10E-02	D
3-Nitroaniline	99-09-2	o	2.40E-02	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	o	3.00E-02	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	o	4.10E+00	2.20E+01	390.54	7.30E+00	USEPA, 1996	9.00E+04	4.16E-06	USEPA, 1996	2.13E+08	3.51E-02	USEPA, 1996	3.66E-06	USEPA, 1996	9.94E+01	C	1.91E-01	K
bis(2-Chlorethyl)ether	111-44-4	o	8.00E-03	ND	--	1.21E+00	USEPA, 1996	9.29E-02	7.38E-04	USEPA, 1996	3.35E+04	6.92E-02	USEPA, 1996	7.53E-06	USEPA, 1996	1.60E+00	D	2.10E-03	D
Carbazole	86-74-8	o	ND	6.00E+00	167.2	3.59E+00	USEPA, 1996	2.03E+01	6.26E-07	USEPA, 1996	2.62E+06	3.90E-02	USEPA, 1996	7.03E-06	USEPA, 1996	5.44E+00	C	6.44E-02	C
Dibenzofuran	132-64-9	o	ND	2.00E+00	168.19	4.12E+00	USEPA, 1992	6.74E+01	--	USEPA, 1992	--	--	--	--	--	6.32E+00	C	9.07E-02	K
di-n-Butylphthalate	84-74-2	o	6.50E+00	ND	278.35	4.61E+00	USEPA, 1996	2.04E+02	3.85E-08	USEPA, 1996	7.94E+06	4.38E-02	USEPA, 1996	7.86E-06	USEPA, 1996	2.20E+01	C	5.44E-02	K
di-n-Octylphthalate	117-84-0	o	ND	4.00E+00	390.56	8.06E+00	USEPA, 1996	5.03E+05	2.74E-03	USEPA, 1996	6.04E+07	1.51E-02	USEPA, 1996	3.58E-06	USEPA, 1996	9.94E+01	C	2.16E-01	K
Polynuclear Aromatic Hydrocarbons																			
2-Methylnaphthalene	91-57-6	o	2.30E+01	7.00E+01	142.2	3.86E+00	USEPA, 1992	3.74E+01	--	USEPA, 1992	--	--	--	--	--	4.87E+00	C	1.42E-01	C
Acenaphthene	83-32-9	o	2.00E-03	5.00E+00	154.21	3.92E+00	USEPA, 1996	4.28E+01	6.36E-03	USEPA, 1996	2.20E+05	4.21E-02	USEPA, 1996	7.69E-06	USEPA, 1996	6.04E+00	C	1.33E-01	C
Anthracene	120-12-7	o	5.80E-01	ND	178.23	4.55E+00	USEPA, 1996	1.78E+02	2.67E-03	USEPA, 1996	7.86E+05	3.24E-02	USEPA, 1996	7.74E-06	USEPA, 1996	5.45E+00	C	1.22E-01	K
Benzo(a)anthracene	56-55-3	o	2.10E+00	ND	228.29	5.70E+00	USEPA, 1996	2.41E+03	1.37E-04	USEPA, 1996	9.48E+06	5.10E-02	USEPA, 1996	9.00E-06	USEPA, 1996	1.02E+01	C	1.79E-01	K
Benzo(a)pyrene	50-32-8	o	2.60E+00	ND	252.32	6.11E+00	USEPA, 1996	6.09E+03	4.63E-05	USEPA, 1996	2.43E+07	4.30E-02	USEPA, 1996	9.00E-06	USEPA, 1996	1.43E+01	C	1.91E-01	K
Benzo(b)fluoranthene	205-99-2	o	3.20E+00	ND	252.32	6.20E+00	USEPA, 1996	7.47E+03	4.55E-03	USEPA, 1996	4.67E+06	2.26E-02	USEPA, 1996	5.56E-06	USEPA, 1996	1.43E+01	C	1.95E-01	K
Benzo(ghi)perylene	191-24-2	o	1.70E+00	ND	276.34	6.58E+00	Tombes, 1999	1.76E+04	--	Tombes, 1999	--	2.72E-02	USEPA, 1996	7.24E-06	USEPA, 1996	2.00E+01	C	2.02E-01	K
Benzo(k)fluoranthene	207-08-9	o	2.80E+00	ND	252.32	6.20E+00	USEPA, 1996	7.47E+03	3.40E-05	USEPA, 1996	3.93E+07	2.26E-02	USEPA, 1996	5.56E-06	USEPA, 1996	1.43E+01	C	1.95E-01	K
Chrysene	218-01-9	o	2.80E+00	ND	228.29	5.70E+00	USEPA, 1996	2.41E+03	3.88E-03	USEPA, 1996	2.74E+06	2.48E-02	USEPA, 1996	6.21E-06	USEPA, 1996	1.02E+01	C	1.79E-01	K
Dibenz(a,h)anthracene	53-70-3	o	3.60E-01	ND	278.4	6.84E+00	USEPA, 1992	3.18E+04	6.03E-07	USEPA, 1992	1.21E+08	2.02E-02	USEPA, 1996	5.18E-06	USEPA, 1996	2.06E+01	C	2.10E-01	K
Fluoranthene	206-44-0	o	4.10E+00	1.00E+00	202.26	5.12E+00	USEPA, 1996	6.48E+02	6.60E-04	USEPA, 1996	3.08E+06	3.02E-02	USEPA, 1996	6.35E-06	USEPA, 1996	7.19E+00	C	1.54E-01	K

CHEMICAL PROPERTIES FOR CONTAMINANTS
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Contaminant	CAS Number [b]	Type [c]	Soil [COPC] (mg/kg) [d]	Groundwater [COPC] (µg/L) [e]	Chemical Properties [a]															
					MW (g/mol) [f]	Log K_{ow} (unitless)	Ref [g]	Kd (cm^3/g) [h]	H (unitless)	Ref	VF (m^3/kg) [i]	D^{air} (cm^2/sec) [j]	Ref	D^{water} (cm^2/sec)	Ref	t* (hr) [k]	Ref	K_p (cm/hr) [l]	Ref
Fluorene	86-73-7	o	1.40E+00	4.00E+00	166.21	4.21E+00	USEPA, 1996	8.26E+01	2.61E-03	USEPA, 1996	5.12E+05	3.63E-02	USEPA, 1996	7.88E-06	USEPA, 1996	5.38E+00	C	1.00E-01	K
Indeno(1,2,3-cd)pyrene	193-39-5	o	1.70E+00	ND	276.3	6.65E+00	USEPA, 1996	2.07E+04	6.56E-05	USEPA, 1996	5.66E+07	1.90E-02	USEPA, 1996	5.66E-06	USEPA, 1996	2.00E+01	C	2.04E-01	K
Naphthalene	91-20-3	o	5.40E+00	2.80E+01	128.16	3.36E+00	USEPA, 1996	1.21E+01	1.98E-02	USEPA, 1996	5.61E+04	5.90E-02	USEPA, 1996	7.50E-06	USEPA, 1996	2.20E+00	D	6.90E-02	D
Phenanthrene	85-01-8	o	5.60E+00	2.00E+00	178.2	4.57E+00	USEPA, 1992	1.87E+02	1.60E-03	USEPA, 1992	7.74E+05	5.84E-02	Lyman, 1990	6.70E-06	Lyman, 1990	5.43E+00	C	1.24E-01	K
Pyrene	129-00-0	o	5.60E+00	ND	202.26	5.11E+00	USEPA, 1996	6.33E+02	4.51E-04	USEPA, 1996	3.82E+06	2.72E-02	USEPA, 1996	7.24E-06	USEPA, 1996	7.20E+00	C	1.53E-01	K
Metals																			
Aluminum	7429-90-5	i	1.80E+04	ND	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Antimony	7440-36-0	i	6.00E+00	5.70E+01	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Arsenic	744-03-82	i	4.20E+01	6.90E+00	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Barium	7440-39-3	i	1.90E+02	2.00E+02	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Beryllium	7440-41-7	i	1.20E+00	ND	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Cadmium	7440-43-9	i	9.10E+00	2.26E+01	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Chromium	16065-83-1	i	2.86E+01	ND	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Cobalt	7440-48-4	i	1.70E+01	ND	--	5.70E+00	USEPA, 1996	2.41E+03	0.00E+00	USEPA, 1996	--	--	--	--	--	--	--	4.00E-04	D
Copper	7440-50-8	i	7.31E+01	6.90E+00	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Lead	7439-92-1	i	3.82E+02	5.10E+00	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-04	D
Manganese	7439-96-5	i	ND	2.53E+03	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Mercury	7439-97-6	i	2.60E+00	7.70E-01	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Nickel	7440-02-0	i	6.00E+01	ND	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-04	D
Selenium	7782-49-2	i	1.90E+00	9.80E+00	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Silver	7440-22-4	i	7.20E+00	1.90E+01	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Thallium	7740-28-0	i	1.05E+01	1.30E+01	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Vanadium	7440-62-2	i	3.80E+01	ND	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	1.00E-03	D
Zinc	7440-66-6	i	5.22E+02	1.50E+01	--	--	--	--	0.00E+00	--	--	--	--	--	--	--	--	6.00E-04	D

APPENDIX F (CONT'D)
CHEMICAL PROPERTIES FOR CONTAMINANTS
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Contaminant	τ_{event} (hr/event) [m]	Ref	B (unitless)	Ref	DAF (unitless)	Ref	OAF (unitless)	Ref	Sf_{oral} (mg/kg-day)$^{-1}$ [n]	Ref	SF_d (mg/kg-day)$^{-1}$	RfD_{oral} (mg/kg-day)	Ref	RfD_d (mg/kg-day)	URF ($\mu g/m^3$) [w]	Ref	RfC ($\mu g/m^3$)	Ref
Volatile Organic Compounds																		
1,1,1-Trichloroethane	5.70E-01	D	3.10E-02	D	-- [q]	--	0.9	Bast, 1996	--	--	--	3.50E-02	E	3.15E-02	--	--	1.00E+03	E
1,1-Dichloroethene	3.40E-01	D	1.30E-02	D	--	--	1	Bast, 1996	6.00E-01	I	6.00E-01	9.00E-03	I	9.00E-03	5.00E-05	I	3.15E+01	X
1,1,2,2-Tetrachloroethane	9.20E-01	D	2.50E-02	D	--	--	0.7	Bast, 1996	2.00E-01	I	2.86E-01	--	--	--	5.71E-05	I	--	--
1,2,3-Trichlorobenzene	1.10E+00	D	9.50E-01	D	--	--	0.97	Bast, 1996	--	--	--	1.00E-02	I	9.70E-03	--	--	2.00E+02	H
1,2,4-Trimethylbenzene	4.73E-01	C	6.03E-01	C	--	--	0.97	Bast, 1996	--	--	--	5.00E-02	E	4.85E-02	--	--	5.95E+00	E
1,2-Dichloroethane	3.50E-01	D	3.00E-03	D	--	--	1	Bast, 1996	9.10E-02	I	9.10E-02	3.00E-02	E	3.00E-02	2.60E-05	I	1.05E+02	X
1,2-Dichloroethene, cis-	3.40E-01	D	7.23E-03	D	--	--	1	Bast, 1996	--	--	--	1.00E-02	H	1.00E-02	--	--	3.50E+01	X
1,2-Dichloroethene, trans-	3.40E-01	D	7.20E-03	D	--	--	1	Bast, 1996	--	--	--	2.00E-02	I	2.00E-02	--	--	7.00E+01	X
1,2-Dichloropropane	4.30E-01	D	1.00E-02	D	--	--	0.74	Bast, 1996	6.80E-02	H	9.19E-02	1.10E-03	X	8.14E-04	1.95E-05	X	3.85E+00	I
1,3,5-Trimethylbenzene	4.73E-01	C	2.63E-01	C	--	--	0.97	Bast, 1996	--	--	--	5.00E-02	E	4.85E-02	--	--	5.95E+00	E
4-Methyl-2-Pentanone	8.75E-02	C	1.55E-03	C	--	--	0.8	Bast, 1996	--	--	--	8.00E-02	H	6.40E-02	--	--	8.05E+01	H
Acetone	1.98E-01	C	5.75E-05	C	--	--	0.83	Bast, 1996	--	--	--	1.00E-01	I	8.30E-02	--	--	3.50E+02	X
Benzene	2.60E-01	D	1.30E-02	D	--	--	0.97	Bast, 1996	2.90E-02	I	2.99E-02	3.00E-03	E	2.91E-03	7.80E-06	I	5.95E+00	E
Butylbenzene, n-	--	--	--	--	--	--	0.8	USEPA R4, 1995	--	--	--	1.00E-02	E	8.00E-03	--	--	3.50E+01	X
Butylbenzene, sec-	--	--	--	--	--	--	0.8	USEPA R4, 1995	--	--	--	1.00E-02	E	8.00E-03	--	--	3.50E+01	X
Carbon disulfide	2.70E-01	D	1.70E-02	D	--	--	0.63	Bast, 1996	--	--	--	1.00E-01	I	6.30E-02	--	--	7.00E+02	I
Chloroethane	2.20E-01	D	2.70E-03	D	--	--	0.8	USEPA R4, 1995	2.90E-03	E	3.63E-03	4.00E-01	E	3.20E-01	8.28E-07	X	1.00E+04	I
Ethylbenzene	3.90E-01	D	1.40E-01	D	--	--	0.97	Bast, 1996	--	--	--	1.00E-01	I	9.70E-02	--	--	1.00E+03	I
Isopropylbenzene	4.73E-01	C	4.57E-01	C	--	--	0.8	USEPA R4, 1995	--	--	--	1.00E-01	I	8.00E-02	--	--	--	--
Methyl ethyl ketone	2.40E-01	D	1.90E-04	D	--	--	0.8	Bast, 1996	--	--	--	6.00E-01	I	4.80E-01	--	--	1.02E+03	I
Methylene chloride	2.90E-01	D	1.80E-03	D	--	--	0.95	Bast, 1996	7.50E-03	I	7.89E-03	6.00E-02	I	5.70E-02	4.70E-07	I	3.00E+03	H
Propylbenzene, n-	4.73E-01	C	3.72E-01	C	--	--	0.8	USEPA R4, 1995	--	--	--	1.00E-02	E	8.00E-03	--	--	3.50E+01	X
Styrene	3.80E-01	D	8.90E-02	D	--	--	0.8	USEPA R4, 1995	--	--	--	2.00E-01	I	1.60E-01	--	--	1.00E+03	I
Toluene	3.20E-01	D	5.40E-02	D	--	--	0.8	Bast, 1996	--	--	--	2.00E-01	I	1.60E-01	--	--	4.00E+02	I
Trichloroethene	5.50E-01	D	2.60E-02	D	--	--	1	Lee, 1997, Green, 1985, & Dekant, 1986	1.10E-02	W	1.10E-02	6.00E-03	E	6.00E-03	1.71E-06	E	2.10E+01	X
Vinyl chloride	2.10E-01	D	2.30E-03	D	--	--	1	Bast, 1996	1.90E+00	H	1.90E+00	--	--	--	8.40E-05	H	--	--
Xylene, o-	3.90E-01	D	1.60E-01	D	--	--	0.92	Bast, 1996	--	--	--	2.00E+00	I	1.84E+00	--	--	7.00E+03	X
Xylenes, m- & p-	3.90E-01	D	1.60E-01	D	--	--	0.92	Bast, 1996	--	--	--	2.00E+00	I	1.84E+00	--	--	7.00E+03	X
Xylenes, total	3.90E-01	D	1.60E-01	D	--	--	0.92	Bast, 1996	--	--	--	2.00E+00	I	1.84E+00	--	--	7.00E+03	X
Semi-Volatile Organic Compo																		
2-Chlorophenol	5.30E-01	D	1.40E-02	D	0.1	--	0.5	USEPA R4, 1995	--	--	--	5.00E-03	I	2.50E-03	--	--	1.75E+01	X
3-Nitroaniline	--	--	--	--	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	2.11E+01	C	2.00E+03	C	0.1	--	0.19	Bast, 1996	1.40E-02	I	7.37E-02	2.00E-02	I	3.80E-03	4.00E-06	X	7.70E+01	X
bis(2-Chlorethyl)ether	6.50E-01	D	1.90E-03	D	0.1	--	0.5	USEPA R4, 1995	1.10E+00	I	2.20E+00	--	--	--	3.43E-04	I	--	--
Carbazole	9.16E-01	C	3.89E-01	C	0.1	--	0.5	--	2.00E-02	H	4.00E-02	--	--	--	5.71E-06	X	--	--
Dibenzofuran	9.29E-01	C	1.32E+00	C	--	--	0.5	USEPA R4, 1995	--	--	--	4.00E-03	E	2.00E-03	--	--	--	--
di-n-Butylphthalate	4.36E+00	C	4.07E+00	C	0.1	--	1	Bast, 1996	--	--	--	1.00E-01	I	1.00E-01	--	--	3.50E+02	X
di-n-Octylphthalate	2.11E+01	C	1.26E+04	C	0.1	--	0.5	USEPA R4, 1995	--	--	--	2.00E-02	H	1.00E-02	--	--	7.00E+01	X
Polynuclear Aromatic Hydroc																		
2-Methylnaphthalene	6.45E-01	C	7.24E-01	C	0.13	Wester, 1990	0.8	Bast, 1996	--	--	--	2.00E-02	O	1.60E-02	--	--	--	--
Acenaphthene	7.63E-01	C	8.32E-01	C	0.13	Wester, 1990	0.58	Chang, 1943	--	--	--	6.00E-02	I	3.48E-02	--	--	2.10E+02	X
Anthracene	1.07E+00	C	3.55E+00	C	0.13	Wester, 1990	0.76	Bast, 1996	--	--	--	3.00E-01	I	2.28E-01	--	--	1.05E+03	X
Benzo(a)anthracene	2.16E+00	C	5.01E+01	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E-01	E	1.26E+00	--	--	--	8.80E-05	E	--	--
Benzo(a)pyrene	3.03E+00	C	1.29E+02	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E+00	I	1.26E+01	--	--	--	8.80E-04	E	--	--
Benzo(b)fluoranthene	3.03E+00	C	1.58E+02	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E-01	E	1.26E+00	--	--	--	8.80E-05	E	--	--
Benzo(ghi)perylene	4.24E+00	C	3.80E+02	C	0.13	Wester, 1990	0.58	Chang, 1943	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	3.03E+00	C	1.58E+02	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E-02	E	1.26E-01	--	--	--	8.80E-06	E	--	--
Chrysene	2.16E+00	C	5.01E+01	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E-03	E	1.26E-02	--	--	--	8.80E-07	E	--	--
Dibenz(a,h)anthracene	4.37E+00	C	6.92E+02	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E+00	E	1.26E+01	--	--	--	8.80E-04	E	--	--
Fluoranthene	1.50E+00	C	1.32E+01	C	0.13	Wester, 1990	0.58	Chang, 1943	--	--	--	4.00E-02	I	2.32E-02	--	--	1.40E+02	X

CHEMICAL PROPERTIES FOR CONTAMINANTS
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Contaminant	τ_{event} (hr/event) [m]	Ref	B (unitless)	Ref	DAF (unitless)	Ref	OAF (unitless)	Ref	Sf_{oral} (mg/kg-day)$^{-1}$ [n]	Ref	SF_d (mg/kg-day)$^{-1}$	RfD_{oral} (mg/kg-day)	Ref	RfD_d (mg/kg-day)	URF ($\mu g/m^3$)$^{-1}$ [o]	Ref	RfC ($\mu g/m^3$)	Ref
Fluorene	9.03E-01	C	1.62E+00	C	0.13	Wester, 1990	0.58	Chang, 1943	--	--	--	4.00E-02	I	2.32E-02	--	--	1.40E+02	X
Indeno(1,2,3-cd)pyrene	4.24E+00	C	4.47E+02	C	0.13	Wester, 1990	0.58	Chang, 1943	7.30E-01	E	1.26E+00	--	--	--	2.09E-04	E	--	--
Naphthalene	5.30E-01	D	2.00E-01	D	0.13	Wester, 1990	0.8	Bast, 1996	--	--	--	2.00E-02	I	1.60E-02	--	--	3.00E+00	I
Phenanthrene	1.07E+00	C	3.72E+00	C	0.13	Wester, 1990	0.73	Bast, 1996	--	--	--	--	--	--	--	--	--	--
Pyrene	1.50E+00	C	1.29E+01	C	0.13	Wester, 1990	0.58	Chang, 1943	--	--	--	3.00E-02	I	1.74E-02	--	--	1.05E+02	X
Metals																		
Aluminum	--	--	--	--	0.01	--	0.1	Bast, 1996	--	--	--	1.00E+00	E	1.00E-01	--	--	--	--
Antimony	--	--	--	--	0.01	--	0.15	Waitz, 1965	--	--	--	4.00E-04	I	6.00E-05	--	--	--	--
Arsenic	--	--	--	--	0.03	Wester, 1993b	0.95	Bettley, 1975	1.50E+00	I	1.58E+00	3.00E-04	I	2.85E-04	4.30E-03	I	--	--
Barium	--	--	--	--	0.01	--	0.07	Taylor, 1962 & Cuddihy, 1972	--	--	--	7.00E-02	I	4.90E-03	--	--	4.90E-01	H
Beryllium	--	--	--	--	0.01	--	0.01	Bast, 1996	--	--	--	2.00E-03	I	2.00E-05	2.40E-03	I	2.00E-02	I
Cadmium	--	--	--	--	0.001	Wester, 1992	0.05	Ellis, 1979, Ewing, 1985, McLellan, 1978, & Morgan, 1984	--	--	--	5.00E-04	I	2.50E-05	1.80E-03	I	2.00E-01	W
Chromium	--	--	--	--	0.01	--	0.013	Donaldson, 1966 & Keim, 1987	--	--	--	1.50E+00	I	1.95E-02	--	--	--	--
Cobalt	--	--	--	--	0.01	--	0.8	Bast, 1996	--	--	--	6.00E-02	E	4.80E-02	--	--	2.00E-02	W
Copper	--	--	--	--	0.01	--	0.57	Strickland, 1972	--	--	--	4.00E-02	H	2.28E-02	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	--	--	--	--	0.01	--	0.06	Ruoff, 1995	--	--	--	5.00E-02	I	3.00E-03	--	--	5.00E-02	I
Mercury	--	--	--	--	0.01	--	0.07	USEPA IRIS	--	--	--	3.00E-04	I	2.10E-05	--	--	--	--
Nickel	--	--	--	--	0.01	--	0.04	Elakhovskaya, 1972	--	--	--	2.00E-02	I	8.00E-04	--	--	--	--
Selenium	--	--	--	--	0.01	--	0.44	Bast, 1996	--	--	--	5.00E-03	I	2.20E-03	--	--	--	--
Silver	--	--	--	--	0.01	--	0.18	Bast, 1996	--	--	--	5.00E-03	I	9.00E-04	--	--	--	--
Thallium	--	--	--	--	0.01	--	1	Lie, 1960	--	--	--	7.00E-05	O	7.00E-05	--	--	--	--
Vanadium	--	--	--	--	0.01	--	0.026	Conklin, 1982	--	--	--	7.00E-03	H	1.82E-04	--	--	--	--
Zinc	--	--	--	--	0.01	--	0.2	Bast, 1996	--	--	--	3.00E-01	I	6.00E-02	--	--	--	--

[a] Chemical Properties are defines as follows: MW = molecular weight, Log Kow = logrithm of octanol/water partition coefficient, Kd = soil/water partition coefficient, H = Henry's law constant, VF = soil-to-air volatilization factor, Dair = diffusivity in air, Dwater = diffusivity in water, t* = time it takes to reach steady state, Kp = Permeability coefficient from water, t_{event} = lag time per event, B = Relative contribution of permeability coefficients, DAF = dermal absorption factor, OAF = oral absorption factor, SF_{oral} = oral slope factor, SF_d = dermal slope factor (i.e., oral slope factor adjusted for gastrintestinal absorption), RFD_{oral} = oral reference dose, RFD_d = dermal reference dose (i.e., oral referenc dose adjusted for gastrointestinal absorption), URF = inhalation unit risk factor, RfC = inhalation reference concentration.

[b] CAS = Chemical Abstracts Service number.

[c] "o" indicates an organic compound, "i" indicates an inorganic compound

[d] maximum detected COPC concentration.

[e] lesser of 95 percent upper confidence limit or maximum detected COPC concentration.

[f] grams per mole.

[g] Ref = References as defined below.

[h] cm^3/g = cubic centimeters per gram. References:

[i] m^3/kg = cubic meters per kilogram.

[j] cm^2/sec = square centimeters per second.

[k] hr = hour

[l] cm/hr = centimeters per hour

[m] hr/event = hours per event

[n] mg/kg-day = milligrams per kilogram-day

[o] $\mu g/m^3$ = micrograms per cubic meter

[p] ND = not detected.

[q] -- = data unavailable.

C = Calculated per USEPA (1992e)

D = USEPA (1992e) Dermal Exposure Assessmant: Principles and Applications .

E = USEPA National Center for Environmental Assessment per USEPA Region 3 (1998).

I = USEPA (1999), Integrated Risk Information System (IRIS).

H = USEPA (1995) Health Effects Assessment Summary Tables (HEAST).

W = Withdrawn from IRIS or HEAST.

O = Other per USEPA Region 3 (1998)

K = Kp based on estimated Kp maximum per Kasting and Robinson (1993)

X = toxicity value not available, therefore, route-to-route extrapolated.

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- TAXIWAY -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Exposure Frequency (EF)	20 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds								
1,1,1-Trichloroethane	71-55-6	8.60E-02	--[f]	3.50E-02	--		9.62E-08	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	2.00E-01	--	7.05E-13	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	--	1.00E-02	--		1.80E-06	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	--	5.00E-02	--		3.37E-06	< 1%
1,2-Dichloroethane	107-06-2	2.70E-03	9.10E-02	3.00E-02	1.37E-13	< 1%	3.52E-09	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	--	1.00E-02	--		2.27E-05	< 1%
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	--	2.00E-02	--		1.12E-06	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	--	5.00E-02	--		1.57E-06	< 1%
4-Methyl-2-Pentanone	108-10-1	9.00E-03	--	8.00E-02	--		4.40E-09	< 1%
Acetone	67-64-1	7.60E+00	--	1.00E-01	--		2.97E-06	< 1%
Benzene	71-43-2	1.50E+01	2.90E-02	3.00E-03	2.43E-10	< 1%	1.96E-04	1%
Butylbenzene, n-	140-51-8	6.40E-01	--	1.00E-02	--		2.50E-06	< 1%
Butylbenzene, sec-	135-98-8	7.50E-01	--	1.00E-02	--		2.94E-06	< 1%
Ethylbenzene	100-41-4	1.70E+02	--	1.00E-01	--		6.65E-05	< 1%
Isopropylbenzene	98-82-8	9.20E+00	--	1.00E-01	--		3.60E-06	< 1%
Methyl ethyl ketone	78-93-3	6.30E+01	--	6.00E-01	--		4.11E-06	< 1%
Methylene chloride	75-09-2	2.70E+00	7.50E-03	6.00E-02	1.13E-11	< 1%	1.76E-06	< 1%
Propylbenzene, n-	103-65-1	1.70E+00	--	1.00E-02	--		6.65E-06	< 1%
Styrene	100-42-5	3.60E-02	--	2.00E-01	--		7.05E-09	< 1%
Toluene	108-88-3	2.00E+00	--	2.00E-01	--		3.91E-07	< 1%
Trichloroethene	79-01-6	2.60E+00	1.10E-02	6.00E-03	1.60E-11	< 1%	1.70E-05	< 1%
Vinyl chloride	75-1-4	5.90E-02	1.90E+00	--	6.27E-11	< 1%	--	
Xylene, o-	95-47-6	1.90E+03	--	2.00E+00	--		3.72E-05	< 1%
Xylenes, m- & p-	1330-20-7	1.50E+01	--	2.00E+00	--		2.94E-07	< 1%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER – TAXIWAY – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	
Exposure Frequency (EF)	20 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Semi-Volatile Organic Compounds								
2-Chlorophenol	95-57-8	8.00E-03	--	5.00E-03	--		6.26E-08	< 1%
3-Nitroaniline	99-09-2	2.40E-02	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.40E-02	2.00E-02	3.21E-11	< 1%	8.02E-06	< 1%
bis(2-Chloroethyl)ether	111-44-4	8.00E-03	1.10E+00	--	4.92E-12	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	--	1.00E-01	--		2.54E-06	< 1%
Polynuclear Aromatic Hydrocarbons								
2-Methylnaphthalene	91-57-6	2.30E+01	--	2.00E-02	--		4.50E-05	< 1%
Acenaphthene	83-32-9	2.00E-03	--	6.00E-02	--		1.30E-09	< 1%
Anthracene	120-12-7	5.80E-01	--	3.00E-01	--		7.57E-08	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	7.30E-01	--	8.57E-10	2%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	7.30E+00	--	1.06E-08	21%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	7.30E-01	--	1.31E-09	3%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	7.30E-02	--	1.14E-10	< 1%	--	
Chrysene	218-01-9	2.80E+00	7.30E-03	--	1.14E-11	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	7.30E+00	--	1.47E-09	3%	--	
Fluoranthene	206-44-0	4.10E+00	--	4.00E-02	--		4.01E-06	< 1%
Fluorene	86-73-7	1.40E+00	--	4.00E-02	--		1.37E-06	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	7.30E-01	--	6.94E-10	1%	--	
Naphthalene	91-20-3	5.40E+00	--	2.00E-02	--		1.06E-05	< 1%
Phenanthrene	85-01-8	5.60E+00	--	--	--		--	
Pyrene	129-00-0	5.60E+00	--	3.00E-02	--		7.31E-06	< 1%
Metals								
Aluminum	7429-90-5	1.80E+04	--	1.00E+00	--		7.05E-04	5%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- TAXIWAY -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Exposure Frequency (EF)	20 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Antimony	7440-36-0	6.00E+00	--	4.00E-04	--		5.87E-04	4%
Arsenic	744-03-82	4.20E+01	1.50E+00	3.00E-04	3.52E-08	70%	5.48E-03	37%
Barium	7440-39-3	1.90E+02	--	7.00E-02	--		1.06E-04	< 1%
Beryllium	7440-41-7	1.20E+00	--	2.00E-03	--		2.35E-05	< 1%
Cadmium	7440-43-9	9.10E+00	--	5.00E-04	--		7.12E-04	5%
Chromium	16065-83-1	2.86E+01	--	1.50E+00	--		7.46E-07	< 1%
Cobalt	7440-48-4	1.70E+01	--	6.00E-02	--		1.11E-05	< 1%
Copper	7440-50-8	7.31E+01	--	4.00E-02	--		7.15E-05	< 1%
Lead	7439-92-1	3.82E+02	--	--	--		--	
Mercury	7439-97-6	2.60E+00	--	3.00E-04	--		3.39E-04	2%
Nickel	7440-02-0	6.00E+01	--	2.00E-02	--		1.17E-04	< 1%
Selenium	7782-49-2	1.90E+00	--	5.00E-03	--		1.49E-05	< 1%
Silver	7440-22-4	7.20E+00	--	5.00E-03	--		5.64E-05	< 1%
Thallium	7740-28-0	1.05E+01	--	7.00E-05	--		5.87E-03	40%
Vanadium	7440-62-2	3.80E+01	--	7.00E-03	--		2.12E-04	1%
Zinc	7440-66-6	5.22E+02	--	3.00E-01	--		6.81E-05	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	5.07E-08	1.48E-02

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] Maximum detected value in surface/subsurface soils.
[d] mg/kg = milligram per kilogram
[e] mg/kg-day = milligram per kilogram-day.
[f] -- = toxicity data not available.

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- HANGAR OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar or Bldg.): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	
Exposure Frequency (EF)	90 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds								
1,1,1-Trichloroethane	71-55-6	8.60E-02	--[f]	3.50E-02	--		4.33E-07	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	2.00E-01	--	3.17E-12	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	--	1.00E-02	--		8.10E-06	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	--	5.00E-02	--		1.51E-05	< 1%
1,2-Dichloroethane	107-06-2	2.70E-03	9.10E-02	3.00E-02	6.18E-13	< 1%	1.59E-08	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	--	1.00E-02	--		1.02E-04	< 1%
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	--	2.00E-02	--		5.02E-06	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	--	5.00E-02	--		7.05E-06	< 1%
4-Methyl-2-Pentanone	108-10-1	9.00E-03	--	8.00E-02	--		1.98E-08	< 1%
Acetone	67-64-1	7.60E+00	--	1.00E-01	--		1.34E-05	< 1%
Benzene	71-43-2	1.50E+01	2.90E-02	3.00E-03	1.09E-09	< 1%	8.81E-04	1%
Butylbenzene, n-	140-51-8	6.40E-01	--	1.00E-02	--		1.13E-05	< 1%
Butylbenzene, sec-	135-98-8	7.50E-01	--	1.00E-02	--		1.32E-05	< 1%
Ethylbenzene	100-41-4	1.70E+02	--	1.00E-01	--		2.99E-04	< 1%
Isopropylbenzene	98-82-8	9.20E+00	--	1.00E-01	--		1.62E-05	< 1%
Methyl ethyl ketone	78-93-3	6.30E+01	--	6.00E-01	--		1.85E-05	< 1%
Methylene chloride	75-09-2	2.70E+00	7.50E-03	6.00E-02	5.10E-11	< 1%	7.93E-06	< 1%
Propylbenzene, n-	103-65-1	1.70E+00	--	1.00E-02	--		2.99E-05	< 1%
Styrene	100-42-5	3.60E-02	--	2.00E-01	--		3.17E-08	< 1%
Toluene	108-88-3	2.00E+00	--	2.00E-01	--		1.76E-06	< 1%
Trichloroethene	79-01-6	2.60E+00	1.10E-02	6.00E-03	7.20E-11	< 1%	7.63E-05	< 1%
Vinyl chloride	75-1-4	5.90E-02	1.90E+00	--	2.82E-10	< 1%	--	
Xylene, o-	95-47-6	1.90E+03	--	2.00E+00	--		1.67E-04	< 1%
Xylenes, m- & p-	1330-20-7	1.50E+01	--	2.00E+00	--		1.32E-06	< 1%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- HANGAR OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar or Bldg.): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	
Exposure Frequency (EF)	90 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Semi-Volatile Organic Compounds								
2-Chlorophenol	95-57-8	8.00E-03	--	5.00E-03	--		2.82E-07	< 1%
3-Nitroaniline	99-09-2	2.40E-02	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.40E-02	2.00E-02	1.44E-10	< 1%	3.61E-05	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.10E+00	--	2.21E-11	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	--	1.00E-01	--		1.14E-05	< 1%
Polynuclear Aromatic Hydrocarbons								
2-Methylnaphthalene	91-57-6	2.30E+01	--	2.00E-02	--		2.03E-04	< 1%
Acenaphthene	83-32-9	2.00E-03	--	6.00E-02	--		5.87E-09	< 1%
Anthracene	120-12-7	5.80E-01	--	3.00E-01	--		3.41E-07	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	7.30E-01	--	3.86E-09	2%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	7.30E+00	--	4.78E-08	21%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	7.30E-01	--	5.88E-09	3%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	7.30E-02	--	5.14E-10	< 1%	--	
Chrysene	218-01-9	2.80E+00	7.30E-03	--	5.14E-11	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	7.30E+00	--	6.61E-09	3%	--	
Fluoranthene	206-44-0	4.10E+00	--	4.00E-02	--		1.81E-05	< 1%
Fluorene	86-73-7	1.40E+00	--	4.00E-02	--		6.16E-06	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	7.30E-01	--	3.12E-09	1%	--	
Naphthalene	91-20-3	5.40E+00	--	2.00E-02	--		4.76E-05	< 1%
Phenanthrene	85-01-8	5.60E+00	--	--	--		--	
Pyrene	129-00-0	5.60E+00	--	3.00E-02	--		3.29E-05	< 1%
Metals								
Aluminum	7429-90-5	1.80E+04	--	1.00E+00	--		3.17E-03	5%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- HANGAR OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar or Bldg.): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Exposure Frequency (EF)	90 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Antimony	7440-36-0	6.00E+00	--	4.00E-04	--		2.64E-03	4%
Arsenic	744-03-82	4.20E+01	1.50E+00	3.00E-04	1.59E-07	70%	2.47E-02	37%
Barium	7440-39-3	1.90E+02	--	7.00E-02	--		4.78E-04	< 1%
Beryllium	7440-41-7	1.20E+00	--	2.00E-03	--		1.06E-04	< 1%
Cadmium	7440-43-9	9.10E+00	--	5.00E-04	--		3.21E-03	5%
Chromium	16065-83-1	2.86E+01	--	1.50E+00	--		3.36E-06	< 1%
Cobalt	7440-48-4	1.70E+01	--	6.00E-02	--		4.99E-05	< 1%
Copper	7440-50-8	7.31E+01	--	4.00E-02	--		3.22E-04	< 1%
Lead	7439-92-1	3.82E+02	--	--	--		--	
Mercury	7439-97-6	2.60E+00	--	3.00E-04	--		1.53E-03	2%
Nickel	7440-02-0	6.00E+01	--	2.00E-02	--		5.28E-04	< 1%
Selenium	7782-49-2	1.90E+00	--	5.00E-03	--		6.69E-05	< 1%
Silver	7440-22-4	7.20E+00	--	5.00E-03	--		2.54E-04	< 1%
Thallium	7740-28-0	1.05E+01	--	7.00E-05	--		2.64E-02	40%
Vanadium	7440-62-2	3.80E+01	--	7.00E-03	--		9.56E-04	1%
Zinc	7440-66-6	5.22E+02	--	3.00E-01	--		3.06E-04	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	2.28E-07	6.67E-02

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] Maximum detected value in surface/subsurface soils.
[d] mg/kg = milligram per kilogram
[e] mg/kg-day = milligram per kilogram-day.
[f] -- = toxicity data not available.

APPENDIX F
CURRENT/FUTURE ONSITE GROUNDSKEEPER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Groundskeeper: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	
Exposure Frequency (EF)	6 days/yr	
Exposure Duration (ED)	5 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	5 yrs	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds								
1,1,1-Trichloroethane	71-55-6	8.60E-02	--[f]	3.50E-02	--		2.89E-08	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	2.00E-01	--	1.06E-12	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	--	1.00E-02	--		5.40E-07	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	--	5.00E-02	--		1.01E-06	< 1%
1,2-Dichloroethane	107-06-2	2.70E-03	9.10E-02	3.00E-02	2.06E-13	< 1%	1.06E-09	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	--	1.00E-02	--		6.81E-06	< 1%
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	--	2.00E-02	--		3.35E-07	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	--	5.00E-02	--		4.70E-07	< 1%
4-Methyl-2-Pentanone	108-10-1	9.00E-03	--	8.00E-02	--		1.32E-09	< 1%
Acetone	67-64-1	7.60E+00	--	1.00E-01	--		8.92E-07	< 1%
Benzene	71-43-2	1.50E+01	2.90E-02	3.00E-03	3.65E-10	< 1%	5.87E-05	1%
Butylbenzene, n-	140-51-8	6.40E-01	--	1.00E-02	--		7.51E-07	< 1%
Butylbenzene, sec-	135-98-8	7.50E-01	--	1.00E-02	--		8.81E-07	< 1%
Ethylbenzene	100-41-4	1.70E+02	--	1.00E-01	--		2.00E-05	< 1%
Isopropylbenzene	98-82-8	9.20E+00	--	1.00E-01	--		1.08E-06	< 1%
Methyl ethyl ketone	78-93-3	6.30E+01	--	6.00E-01	--		1.23E-06	< 1%
Methylene chloride	75-09-2	2.70E+00	7.50E-03	6.00E-02	1.70E-11	< 1%	5.28E-07	< 1%
Propylbenzene, n-	103-65-1	1.70E+00	--	1.00E-02	--		2.00E-06	< 1%
Styrene	100-42-5	3.60E-02	--	2.00E-01	--		2.11E-09	< 1%
Toluene	108-88-3	2.00E+00	--	2.00E-01	--		1.17E-07	< 1%
Trichloroethene	79-01-6	2.60E+00	1.10E-02	6.00E-03	2.40E-11	< 1%	5.09E-06	< 1%
Vinyl chloride	75-1-4	5.90E-02	1.90E+00	--	9.40E-11	< 1%	--	
Xylene, o-	95-47-6	1.90E+03	--	2.00E+00	--		1.12E-05	< 1%
Xylenes, m- & p-	1330-20-7	1.50E+01	--	2.00E+00	--		8.81E-08	< 1%

APPENDIX F
CURRENT/FUTURE ONSITE GROUNDSKEEPER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Groundskeeper: RME Scenario	
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific	mg/kg
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50	mg/day
Exposure Frequency (EF)	6	days/yr
Exposure Duration (ED)	5	yrs
Fraction Contaminated Soil/Sediment Ingested (FI)	1	unitless
Conversion Factor (CF)	0.000001	kg/mg
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	5	yrs
Oral Slope Factor (SF_o)	chemical-specific	(mg/kg-day)$^{-1}$
Body Weight (BW)	70	kg
Oral Reference Dose (RfD_o)	chemical-specific	mg/kg-day

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$$

Noncarcinogenic:

$$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$$

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Semi-Volatile Organic Compounds								
2-Chlorophenol	95-57-8	8.00E-03	--	5.00E-03	--		1.88E-08	< 1%
3-Nitroaniline	99-09-2	2.40E-02	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.40E-02	2.00E-02	4.81E-11	< 1%	2.41E-06	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.10E+00	--	7.38E-12	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	--	1.00E-01	--		7.63E-07	< 1%
Polynuclear Aromatic Hydrocarbons								
2-Methylnaphthalene	91-57-6	2.30E+01	--	2.00E-02	--		1.35E-05	< 1%
Acenaphthene	83-32-9	2.00E-03	--	6.00E-02	--		3.91E-10	< 1%
Anthracene	120-12-7	5.80E-01	--	3.00E-01	--		2.27E-08	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	7.30E-01	--	1.29E-09	2%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	7.30E+00	--	1.59E-08	21%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	7.30E-01	--	1.96E-09	3%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	7.30E-02	--	1.71E-10	< 1%	--	
Chrysene	218-01-9	2.80E+00	7.30E-03	--	1.71E-11	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	7.30E+00	--	2.20E-09	3%	--	
Fluoranthene	206-44-0	4.10E+00	--	4.00E-02	--		1.20E-06	< 1%
Fluorene	86-73-7	1.40E+00	--	4.00E-02	--		4.11E-07	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	7.30E-01	--	1.04E-09	1%	--	
Naphthalene	91-20-3	5.40E+00	--	2.00E-02	--		3.17E-06	< 1%
Phenanthrene	85-01-8	5.60E+00	--	--	--		--	
Pyrene	129-00-0	5.60E+00	--	3.00E-02	--		2.19E-06	< 1%
Metals								
Aluminum	7429-90-5	1.80E+04	--	1.00E+00	--		2.11E-04	5%

APPENDIX F
CURRENT/FUTURE ONSITE GROUNDSKEEPER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Groundskeeper: RME Scenario	
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific	mg/kg
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50	mg/day
Exposure Frequency (EF)	6	days/yr
Exposure Duration (ED)	5	yrs
Fraction Contaminated Soil/Sediment Ingested (FI)	1	unitless
Conversion Factor (CF)	0.000001	kg/mg
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	5	yrs
Oral Slope Factor (SF_o)	chemical-specific	$(mg/kg\text{-}day)^{-1}$
Body Weight (BW)	70	kg
Oral Reference Dose (RfD_o)	chemical-specific	mg/kg-day

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$$

Noncarcinogenic:

$$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$$

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o $(mg/kg\text{-}day)^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Antimony	7440-36-0	6.00E+00	--	4.00E-04	--		1.76E-04	4%
Arsenic	744-03-82	4.20E+01	1.50E+00	3.00E-04	5.28E-08	70%	1.64E-03	37%
Barium	7440-39-3	1.90E+02	--	7.00E-02	--		3.19E-05	< 1%
Beryllium	7440-41-7	1.20E+00	--	2.00E-03	--		7.05E-06	< 1%
Cadmium	7440-43-9	9.10E+00	--	5.00E-04	--		2.14E-04	5%
Chromium	16065-83-1	2.86E+01	--	1.50E+00	--		2.24E-07	< 1%
Cobalt	7440-48-4	1.70E+01	--	6.00E-02	--		3.33E-06	< 1%
Copper	7440-50-8	7.31E+01	--	4.00E-02	--		2.15E-05	< 1%
Lead	7439-92-1	3.82E+02	--	--	--		--	
Mercury	7439-97-6	2.60E+00	--	3.00E-04	--		1.02E-04	2%
Nickel	7440-02-0	6.00E+01	--	2.00E-02	--		3.52E-05	< 1%
Selenium	7782-49-2	1.90E+00	--	5.00E-03	--		4.46E-06	< 1%
Silver	7440-22-4	7.20E+00	--	5.00E-03	--		1.69E-05	< 1%
Thallium	7740-28-0	1.05E+01	--	7.00E-05	--		1.76E-03	40%
Vanadium	7440-62-2	3.80E+01	--	7.00E-03	--		6.37E-05	1%
Zinc	7440-66-6	5.22E+02	--	3.00E-01	--		2.04E-05	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	7.60E-08	4.45E-03

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] Maximum detected value in surface/subsurface soils.
[d] mg/kg = milligram per kilogram
[e] mg/kg-day = milligram per kilogram-day.
[f] -- = toxicity data not available.

APPENDIX F
HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Exposure Frequency (EF)	250 days/yr	
Exposure Duration (ED)	25 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	
Oral Slope Factor (SF_o)	chemical-specific $(mg/kg\text{-}day)^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o $(mg/kg\text{-}day)^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds								
1,1,1-Trichloroethane	71-55-6	8.60E-02	--[f]	3.50E-02	--		1.20E-06	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	2.00E-01	--	2.20E-10	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	--	1.00E-02	--		2.25E-05	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	--	5.00E-02	--		4.21E-05	< 1%
1,2-Dichloroethane	107-06-2	2.70E-03	9.10E-02	3.00E-02	4.29E-11	< 1%	4.40E-08	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	--	1.00E-02	--		2.84E-04	< 1%
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	--	2.00E-02	--		1.39E-05	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	--	5.00E-02	--		1.96E-05	< 1%
4-Methyl-2-Pentanone	108-10-1	9.00E-03	--	8.00E-02	--		5.50E-08	< 1%
Acetone	67-64-1	7.60E+00	--	1.00E-01	--		3.72E-05	< 1%
Benzene	71-43-2	1.50E+01	2.90E-02	3.00E-03	7.60E-08	< 1%	2.45E-03	1%
Butylbenzene, n-	140-51-8	6.40E-01	--	1.00E-02	--		3.13E-05	< 1%
Butylbenzene, sec-	135-98-8	7.50E-01	--	1.00E-02	--		3.67E-05	< 1%
Ethylbenzene	100-41-4	1.70E+02	--	1.00E-01	--		8.32E-04	< 1%
Isopropylbenzene	98-82-8	9.20E+00	--	1.00E-01	--		4.50E-05	< 1%
Methyl ethyl ketone	78-93-3	6.30E+01	--	6.00E-01	--		5.14E-05	< 1%
Methylene chloride	75-09-2	2.70E+00	7.50E-03	6.00E-02	3.54E-09	< 1%	2.20E-05	< 1%
Propylbenzene, n-	103-65-1	1.70E+00	--	1.00E-02	--		8.32E-05	< 1%
Styrene	100-42-5	3.60E-02	--	2.00E-01	--		8.81E-08	< 1%
Toluene	108-88-3	2.00E+00	--	2.00E-01	--		4.89E-06	< 1%
Trichloroethene	79-01-6	2.60E+00	1.10E-02	6.00E-03	5.00E-09	< 1%	2.12E-04	< 1%
Vinyl chloride	75-1-4	5.90E-02	1.90E+00	--	1.96E-08	< 1%	--	
Xylene, o-	95-47-6	1.90E+03	--	2.00E+00	--		4.65E-04	< 1%
Xylenes, m- & p-	1330-20-7	1.50E+01	--	2.00E+00	--		3.67E-06	< 1%

APPENDIX F
HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	
Exposure Frequency (EF)	250 days/yr	
Exposure Duration (ED)	25 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a/]	CAS Number[b/]	Maximum Detected Concentration[c/] (mg/kg)[d/]	SF_o (mg/kg-day)$^{-1}$[e/]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Semi-Volatile Organic Compounds								
2-Chlorophenol	95-57-8	8.00E-03	--	5.00E-03	--		7.83E-07	< 1%
3-Nitroaniline	99-09-2	2.40E-02	--	--			--	
4-Nitroaniline	100-01-6	3.00E-02	--	--			--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.40E-02	2.00E-02	1.00E-08	< 1%	1.00E-04	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.10E+00	--	1.54E-09	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	--	1.00E-01	--		3.18E-05	< 1%
Polynuclear Aromatic Hydrocarbons								
2-Methylnaphthalene	91-57-6	2.30E+01	--	2.00E-02	--		5.63E-04	< 1%
Acenaphthene	83-32-9	2.00E-03	--	6.00E-02	--		1.63E-08	< 1%
Anthracene	120-12-7	5.80E-01	--	3.00E-01	--		9.46E-07	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	7.30E-01	--	2.68E-07	2%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	7.30E+00	--	3.32E-06	21%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	7.30E-01	--	4.08E-07	3%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	7.30E-02	--	3.57E-08	< 1%	--	
Chrysene	218-01-9	2.80E+00	7.30E-03	--	3.57E-09	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	7.30E+00	--	4.59E-07	3%	--	
Fluoranthene	206-44-0	4.10E+00	--	4.00E-02	--		5.01E-05	< 1%
Fluorene	86-73-7	1.40E+00	--	4.00E-02	--		1.71E-05	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	7.30E-01	--	2.17E-07	1%	--	
Naphthalene	91-20-3	5.40E+00	--	2.00E-02	--		1.32E-04	< 1%
Phenanthrene	85-01-8	5.60E+00	--	--	--		--	
Pyrene	129-00-0	5.60E+00	--	3.00E-02	--		9.13E-05	< 1%
Metals								
Aluminum	7429-90-5	1.80E+04	--	1.00E+00	--		8.81E-03	5%

APPENDIX F
HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INCIDENTAL INGESTION OF SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)(SF_o)}{(BW)(AT_c)(365day/year)}$
Soil/Sediment Ingestion Rate ($IR_{soil/sed}$)	50 mg/day	
Exposure Frequency (EF)	250 days/yr	
Exposure Duration (ED)	25 yrs	
Fraction Contaminated Soil/Sediment Ingested (FI)	1 unitless	
Conversion Factor (CF)	0.000001 kg/mg	
Averaging Time, Carcinogens (AT_c)	70 yrs	Noncarcinogenic:
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	
Oral Slope Factor (SF_o)	chemical-specific (mg/kg-day)$^{-1}$	$Hazard = \frac{(C_{soil/sed})(IR_{soil/sed})(EF)(ED)(FI)(CF)}{(RfD_o)(BW)(AT_{nc})(365day/year)}$
Body Weight (BW)	70 kg	
Oral Reference Dose (RfD_o)	chemical-specific mg/kg-day	

COPC[a]	CAS Number[b]	Maximum Detected Concentration[c] (mg/kg)[d]	SF_o (mg/kg-day)$^{-1}$[e]	RfD_o (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Antimony	7440-36-0	6.00E+00	--	4.00E-04	--		7.34E-03	4%
Arsenic	744-03-82	4.20E+01	1.50E+00	3.00E-04	1.10E-05	70%	6.85E-02	37%
Barium	7440-39-3	1.90E+02	--	7.00E-02	--		1.33E-03	< 1%
Beryllium	7440-41-7	1.20E+00	--	2.00E-03	--		2.94E-04	< 1%
Cadmium	7440-43-9	9.10E+00	--	5.00E-04	--		8.90E-03	5%
Chromium	16065-83-1	2.86E+01	--	1.50E+00	--		9.33E-06	< 1%
Cobalt	7440-48-4	1.70E+01	--	6.00E-02	--		1.39E-04	< 1%
Copper	7440-50-8	7.31E+01	--	4.00E-02	--		8.94E-04	< 1%
Lead	7439-92-1	3.82E+02	--	--	--		--	
Mercury	7439-97-6	2.60E+00	--	3.00E-04	--		4.24E-03	2%
Nickel	7440-02-0	6.00E+01	--	2.00E-02	--		1.47E-03	< 1%
Selenium	7782-49-2	1.90E+00	--	5.00E-03	--		1.86E-04	< 1%
Silver	7440-22-4	7.20E+00	--	5.00E-03	--		7.05E-04	< 1%
Thallium	7740-28-0	1.05E+01	--	7.00E-05	--		7.34E-02	40%
Vanadium	7440-62-2	3.80E+01	--	7.00E-03	--		2.66E-03	1%
Zinc	7440-66-6	5.22E+02	--	3.00E-01	--		8.51E-04	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	1.58E-05	1.85E-01

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] Maximum detected value in surface/subsurface soils.
[d] mg/kg = milligram per kilogram
[e] mg/kg-day = milligram per kilogram-day.
[f] -- = toxicity data not available.

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- TAXIWAY -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	20 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	1 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.2 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg-day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	8.60E-02	** [f]	-- [g]	3.15E-02	--		--	
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	**	2.86E-01	--			--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	**	--	9.70E-03	--		--	
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	**	--	4.85E-02	--		--	
1,2-Dichloroethane	107-06-2	2.70E-03	**	9.10E-02	3.00E-02	--		--	
1,2 Dichloroethene, cis-	156 59-2	5.80E+00	**	--	1.00E-02	--		--	
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	**	--	2.00E-02	--		--	
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	**	--	4.85E-02	--		--	
4-Methyl-2-Pentanone	108-10-1	9.00E-03	**	--	6.40E-02	--		--	
Acetone	67-64-1	7.60E+00	**	--	8.30E-02	--		--	
Benzene	71-43-2	1.50E+01	**	2.99E-02	2.91E-03	--		--	
Butylbenzene, n-	140-51-8	6.40E-01	**	--	8.00E-03	--		--	
Butylbenzene, sec-	135-98-8	7.50E-01	**	--	8.00E-03	--		--	
Ethylbenzene	100-41-4	1.70E+02	**	--	9.70E-02	--		--	
Isopropylbenzene	98-82-8	9.20E+00	**	--	8.00E-02	--		--	
Methyl ethyl ketone	78-93-3	6.30E+01	**	--	4.80E-01	--		--	
Methylene chloride	75-09-2	2.70E+00	**	7.89E-03	5.70E-02	--		--	
Propylbenzene, n-	103-65-1	1.70E+00	**	--	8.00E-03	--		--	
Styrene	100-42-5	3.60E-02	**	--	1.60E-01	--		--	
Toluene	108-88-3	2.00E+00	**	--	1.60E-01	--		--	
Trichloroethene	79-01-6	2.60E+00	**	1.10E-02	6.00E-03	--		--	
Vinyl chloride	75-1-4	5.90E-02	**	1.90E+00	--	--		--	
Xylene, o-	95-47-6	1.90E+03	**	--	1.84E+00	--		--	
Xylenes, m- & p-	1330-20-7	1.50E+01	**	--	1.84E+00	--		--	
Semi-Volatile Organic Compounds									
2-Chlorophenol	95-57-8	8.00E-03	1.00E-01	--	2.50E-03	--		1.64E-07	< 1%
3-Nitroaniline	99-09-2	2.40E-02	1.00E-01	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	1.00E-01	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.00E-01	7.37E-02	3.80E-03	2.22E-10	< 1%	5.54E-05	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.00E-01	2.20E+00	--	1.29E-11	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	1.00E-01	--	1.00E-01	--		3.34E-06	< 1%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- TAXIWAY -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Intrusive Worker (Taxiway): RME Scenario	
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific	mg/kg
Exposure Frequency (EF)	20	days/yr
Fraction of EF in Contact with Sediment (ET)	1	unitless
Exposure Duration (ED)	1	yrs
Exposed Body Surface Area (SA)	3280	cm^2
Soil-to-Skin Adherence Fraction (AF)	0.2	mg/cm^2-day
Dermal Soil Absorption Fraction (DAF)	chemical-specific	unitless
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	1	yrs
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific	$(mg/kg\text{-}day)^{-1}$
Body Weight (BW)	70	kg
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific	mg/kg-day
Conversion Factor (CF)	0.000001	kg/mg
Oral Absorption Factor (OAF)	chemical-specific	unitless

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$$

where: $SF_d = SF_o/OAF$

Noncarcinogenic:

$$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$$

where: $RfD_d = (RfD_o)(OAF)$

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d $(mg/kg\text{-}day)^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons									
2-Methylnaphthalene	91-57-6	2.30E+01	1.30E-01	--	1.60E-02	--		9.60E-05	1%
Acenaphthene	83-32-9	2.00E-03	1.30E-01	--	3.48E-02	--		3.84E-09	< 1%
Anthracene	120-12-7	5.80E-01	1.30E-01	--	2.28E-01	--		1.70E-07	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	1.30E-01	1.26E+00	--	2.52E-09	4%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	1.30E-01	1.26E+01	--	3.12E-08	53%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	1.30E-01	1.26E+00	--	3.84E-09	6%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	1.30E-01	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	1.30E-01	1.26E-01	--	3.36E-10	< 1%	--	
Chrysene	218-01-9	2.80E+00	1.30E-01	1.26E-02	--	3.36E-11	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	1.30E-01	1.26E+01	--	4.32E-09	7%	--	
Fluoranthene	206-44-0	4.10E+00	1.30E-01	--	2.32E-02	--		1.18E-05	< 1%
Fluorene	86-73-7	1.40E+00	1.30E-01	--	2.32E-02	--		4.03E-06	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	1.30E-01	1.26E+00	--	2.04E-09	3%	--	
Naphthalene	91-20-3	5.40E+00	1.30E-01	--	1.60E-02	--		2.25E-05	< 1%
Phenanthrene	85-01-8	5.60E+00	1.30E-01	--	--	--		--	
Pyrene	129-00-0	5.60E+00	1.30E-01	--	1.74E-02	--		2.15E-05	< 1%
Metals									
Aluminum	7429-90-5	1.80E+04	1.00E-02	--	1.00E-01	--		9.24E-04	12%
Antimony	7440-36-0	6.00E+00	1.00E-02	--	6.00E-05	--		5.14E-04	7%
Arsenic	744-03-82	4.20E+01	3.00E-02	1.58E+00	2.85E-04	1.46E-08	25%	2.27E-03	30%
Barium	7440-39-3	1.90E+02	1.00E-02	--	4.90E-03	--		1.99E-04	3%
Beryllium	7440-41-7	1.20E+00	1.00E-02	--	2.00E-05	--		3.08E-04	4%
Cadmium	7440-43-9	9.10E+00	1.00E-03	--	2.50E-05	--		1.87E-04	2%
Chromium	16065-83-1	2.86E+01	1.00E-02	--	1.95E-02	--		7.53E-06	< 1%
Cobalt	7440-48-4	1.70E+01	1.00E-02	--	4.80E-02	--		1.82E-06	< 1%
Copper	7440-50-8	7.31E+01	1.00E-02	--	2.28E-02	--		1.65E-05	< 1%
Lead	7439-92-1	3.82E+02		--	--	--		--	
Mercury	7439-97-6	2.60E+00	1.00E-02	--	2.10E-05	--		6.36E-04	8%
Nickel	7440-02-0	6.00E+01	1.00E-02	--	8.00E-04	--		3.85E-04	5%
Selenium	7782-49-2	1.90E+00	1.00E-02	--	2.20E-03	--		4.43E-06	< 1%
Silver	7440-22-4	7.20E+00	1.00E-02	--	9.00E-04	--		4.11E-05	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- TAXIWAY -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	20 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	1 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.2 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg-day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Thallium	7740-28-0	1.05E+01	1.00E-02	--	7.00E-05	--		7.70E-04	10%
Vanadium	7440-62-2	3.80E+01	1.00E-02	--	6.00E-02	--		1.07E-03	14%
Zinc	7440-66-6	5.22E+02	1.00E-02	--	6.00E-02	--		4.47E-05	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	5.91E-08	7.60E-03

[a] COPC = chemical of potential concern after site-to-background comparison.

[b] CAS = Chemical Abstracts Service number.

[c] Maximum detected value in surface/subsurface soils.

[d] mg/kg = milligram per kilogram

[e] mg/kg-day = milligram per kilogram-day.

[f] ** = dermal absorption of volatiles from soil assumed to be insignficant (USEPA, 1992).

[g] -- = toxicity data not available.

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER – HANGER OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hanger/Bldg.): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	90 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	1 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.2 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific $(mg/kg\text{-}day)^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	8.60E-02	** [f]	-- [g]	3.15E-02	--		--	
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	**	2.86E-01	--	--		--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	**	--	9.70E-03	--		--	
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	**	--	4.85E-02	--		--	
1,2-Dichloroethane	107-06-2	2.70E-03	**	9.10E-02	3.00E-02	--		--	
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	**	--	1.00E-02	--		--	
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	**	--	2.00E-02	--		--	
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	**	--	4.85E-02	--		--	
4-Methyl-2-Pentanone	108-10-1	9.00E-03	**	--	6.40E-02	--		--	
Acetone	67-64-1	7.60E+00	**	--	8.30E-02	--		--	
Benzene	71-43-2	1.50E+01	**	2.99E-02	2.91E-03	--		--	
Butylbenzene, n-	140-51-8	6.40E-01	**	--	8.00E-03	--		--	
Butylbenzene, sec-	135-98-8	7.50E-01	**	--	8.00E-03	--		--	
Ethylbenzene	100-41-4	1.70E+02	**	--	9.70E-02	--		--	
Isopropylbenzene	98-82-8	9.20E+00	**	--	8.00E-02	--		--	
Methyl ethyl ketone	78-93-3	6.30E+01	**	--	4.80E-01	--		--	
Methylene chloride	75-09-2	2.70E+00	**	7.89E-03	5.70E-02	--		--	
Propylbenzene, n-	103-65-1	1.70E+00	**	--	8.00E-03	--		--	
Styrene	100-42-5	3.60E-02	**	--	1.60E-01	--		--	
Toluene	108-88-3	2.00E+00	**	--	1.60E-01	--		--	
Trichloroethene	79-01-6	2.60E+00	**	1.10E-02	6.00E-03	--		--	
Vinyl chloride	75-1-4	5.90E-02	**	1.90E+00	--	--		--	
Xylene, o-	95-47-6	1.90E+03	**	--	1.84E+00	--		--	
Xylenes, m- & p-	1330-20-7	1.50E+01	**	--	1.84E+00	--		--	
Semi-Volatile Organic Compounds									
2-Chlorophenol	95-57-8	8.00E-03	1.00E-01	--	2.50E-03	--		7.39E-07	< 1%
3-Nitroaniline	99-09-2	2.40E-02	1.00E-01	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	1.00E-01	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.00E-01	7.37E-02	3.80E-03	9.97E-10	< 1%	2.49E-04	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.00E-01	2.20E+00	--	5.81E-11	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	1.00E-01	--	1.00E-01	--		1.50E-05	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER – HANGER OR BLDG. – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Intrusive Worker (Hanger/Bldg.): RME Scenario	
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific	mg/kg
Exposure Frequency (EF)	90	days/yr
Fraction of EF in Contact with Sediment (ET)	1	unitless
Exposure Duration (ED)	1	yrs
Exposed Body Surface Area (SA)	3280	cm^2
Soil-to-Skin Adherence Fraction (AF)	0.2	mg/cm^2-day
Dermal Soil Absorption Fraction (DAF)	chemical-specific	unitless
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	1	yrs
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific	$(mg/kg\text{-}day)^{-1}$
Body Weight (BW)	70	kg
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific	mg/kg-day
Conversion Factor (CF)	0.000001	kg/mg
Oral Absorption Factor (OAF)	chemical-specific	unitless

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$$

where: $SF_d = SF_o/OAF$

Noncarcinogenic:

$$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$$

where: $RfD_d = (RfD_o)(OAF)$

COPC [b]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d $(mg/kg\text{-}day)^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons									
2-Methylnaphthalene	91-57-6	2.30E+01	1.30E-01	--	1.60E-02	--		4.32E-04	1%
Acenaphthene	83-32-9	2.00E-03	1.30E-01	--	3.48E-02	--		1.73E-08	< 1%
Anthracene	120-12-7	5.80E-01	1.30E-01	--	2.28E-01	--		7.64E-07	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	1.30E-01	1.26E+00	--	1.13E-08	4%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	1.30E-01	1.26E+01	--	1.40E-07	53%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	1.30E-01	1.26E+00	--	1.73E-08	6%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	1.30E-01	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	1.30E-01	1.26E-01	--	1.51E-09	< 1%	--	
Chrysene	218-01-9	2.80E+00	1.30E-01	1.26E-02	--	1.51E-10	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	1.30E-01	1.26E+01	--	1.94E-08	7%	--	
Fluoranthene	206-44-0	4.10E+00	1.30E-01	--	2.32E-02	--		5.31E-05	< 1%
Fluorene	86-73-7	1.40E+00	1.30E-01	--	2.32E-02	--		1.81E-05	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	1.30E-01	1.26E+00	--	9.18E-09	3%	--	
Naphthalene	91-20-3	5.40E+00	1.30E-01	--	1.60E-02	--		1.01E-04	< 1%
Phenanthrene	85-01-8	5.60E+00	1.30E-01	--	--	--		--	
Pyrene	129-00-0	5.60E+00	1.30E-01	--	1.74E-02	--		9.67E-05	< 1%
Metals									
Aluminum	7429-90-5	1.80E+04	1.00E-02	--	1.00E-01	--		4.16E-03	12%
Antimony	7440-36-0	6.00E+00	1.00E-02	--	6.00E-05	--		2.31E-03	7%
Arsenic	744-03-82	4.20E+01	3.00E-02	1.58E+00	2.85E-04	6.57E-08	25%	1.02E-02	30%
Barium	7440-39-3	1.90E+02	1.00E-02	--	4.90E-03	--		8.96E-04	3%
Beryllium	7440-41-7	1.20E+00	1.00E-02	--	2.00E-05	--		1.39E-03	4%
Cadmium	7440-43-9	9.10E+00	1.00E-03	--	2.50E-05	--		8.41E-04	2%
Chromium	16065-83-1	2.86E+01	1.00E-02	--	1.95E-02	--		3.39E-05	< 1%
Cobalt	7440-48-4	1.70E+01	1.00E-02	--	4.80E-02	--		8.18E-06	< 1%
Copper	7440-50-8	7.31E+01	1.00E-02	--	2.28E-02	--		7.41E-05	< 1%
Lead	7439-92-1	3.82E+02		--	--	--		--	
Mercury	7439-97-6	2.60E+00	1.00E-02	--	2.10E-05	--		2.86E-03	8%
Nickel	7440-02-0	6.00E+01	1.00E-02	--	8.00E-04	--		1.73E-03	5%
Selenium	7782-49-2	1.90E+00	1.00E-02	--	2.20E-03	--		2.00E-05	< 1%
Silver	7440-22-4	7.20E+00	1.00E-02	--	9.00E-04	--		1.85E-04	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE INDUSTRIAL WORKER -- HANGER OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hanger/Bldg.): RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	90 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	1 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.2 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_n)	1 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_n)(365 days/year)}$
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical specific (mg/kg day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg-day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Thallium	7740-28-0	1.05E+01	1.00E-02	--	7.00E-05	--		3.47E-03	10%
Vanadium	7440-62-2	3.80E+01	1.00E-02	--	1.82E-04	--		4.82E-03	14%
Zinc	7440-66-6	5.22E+02	1.00E-02	--	6.00E-02	--		2.01E-04	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	2.66E-07	3.42E-02

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] Maximum detected value in surface/subsurface soils.
[d] mg/kg = milligram per kilogram
[e] mg/kg-day = milligram per kilogram-day.
[f] ** = dermal absorption of volatiles from soil assumed to be insignficant (USEPA, 1992).
[g] -- = toxicity data not available.

APPENDIX F

CURRENT/FUTURE ONSITE GROUNDSKEEPER -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Groundskeeper: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	6 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	5 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.1 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic
Averaging Time, Carcinogens (AT_c)	70 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	5 yrs	
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific $(mg/kg\text{-}day)^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg-day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	8.60E-02	** [f]	-- [g]	3.15E-02	--		--	
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	**	2.86E-01	--	--		--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	**	--	9.70E-03	--		--	
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	**	--	4.85E-02	--		--	
1,2-Dichloroethane	107-06-2	2.70E-03	**	9.10E-02	3.00E-02	-		--	
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	**	--	1.00E-02	--		--	
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	**	--	2.00E-02	--		--	
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	**	--	4.85E-02	--		--	
4-Methyl-2-Pentanone	108-10-1	9.00E-03	**	--	6.40E-02	--		--	
Acetone	67-64-1	7.60E+00	**	--	8.30E-02	--		--	
Benzene	71-43-2	1.50E+01	**	2.99E-02	2.91E-03	--		--	
Butylbenzene, n-	140-51-8	6.40E-01	**	--	8.00E-03	--		--	
Butylbenzene, sec-	135-98-8	7.50E-01	**	--	8.00E-03	--		--	
Ethylbenzene	100-41-4	1.70E+02	**	--	9.70E-02	--		--	
Isopropylbenzene	98-82-8	9.20E+00	**	--	8.00E-02	--		--	
Methyl ethyl ketone	78-93-3	6.30E+01	**	--	4.80E-01	--		--	
Methylene chloride	75-09-2	2.70E+00	**	7.89E-03	5.70E-02	--		--	
Propylbenzene, n-	103-65-1	1.70E+00	**	--	8.00E-03	--		--	
Styrene	100-42-5	3.60E-02	**	--	1.60E-01	--		--	
Toluene	108-88-3	2.00E+00	**	--	1.60E-01	--		--	
Trichloroethene	79-01-6	2.60E+00	**	1.10E-02	6.00E-03	--		--	
Vinyl chloride	75-1-4	5.90E-02	**	1.90E+00	--	--		--	
Xylene, o-	95-47-6	1.90E+03	**	--	1.84E+00	--		--	
Xylenes, m- & p-	1330-20-7	1.50E+01	**	--	1.84E+00	--		--	
Semi-Volatile Organic Compounds									
2-Chlorophenol	95-57-8	8.00E-03	1.00E-01	--	2.50E-03	--		2.46E-08	< 1%
3-Nitroaniline	99-09-2	2.40E-02	1.00E-01	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	1.00E-01	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.00E-01	7.37E-02	3.80E-03	1.66E-10	< 1%	8.31E-06	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.00E-01	2.20E+00	--	9.68E-12	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	1.00E-01	--	1.00E-01	--		5.01E-07	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE GROUNDSKEEPER -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Groundskeeper: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	6 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	5 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.1 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	5 yrs	
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical specific $(mg/kg\ day)^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg-day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d $(mg/kg\text{-}day)^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons									
2-Methylnaphthalene	91-57-6	2.30E+01	1.30E-01	--	1.60E-02	--		1.44E-05	1%
Acenaphthene	83-32-9	2.00E-03	1.30E-01	--	3.48E-02	--		5.75E-10	< 1%
Anthracene	120-12-7	5.80E-01	1.30E-01	--	2.28E-01	--		2.55E-08	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	1.30E-01	1.26E+00		1.89E-09	4%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	1.30E-01	1.26E+01		2.34E-08	53%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	1.30E-01	1.26E+00		2.88E-09	6%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	1.30E-01	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	1.30E-01	1.26E-01	--	2.52E-10	< 1%	--	
Chrysene	218-01-9	2.80E+00	1.30E-01	1.26E-02	--	2.52E-11	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	1.30E-01	1.26E+01	--	3.24E-09	7%	--	
Fluoranthene	206-44-0	4.10E+00	1.30E-01	--	2.32E-02	--		1.77E-06	< 1%
Fluorene	86-73-7	1.40E+00	1.30E-01	--	2.32E-02	--		6.04E-07	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	1.30E-01	1.26E+00	--	1.53E-09	3%	--	
Naphthalene	91-20-3	5.40E+00	1.30E-01	--	1.60E-02	--		3.38E-06	< 1%
Phenanthrene	85-01-8	5.60E+00	1.30E-01	--	--	--		--	
Pyrene	129-00-0	5.60E+00	1.30E-01	--	1.74E-02	--		3.22E-06	< 1%
Metals									
Aluminum	7429-90-5	1.80E+04	1.00E-02	--	1.00E-01	--		1.39E-04	12%
Antimony	7440-36-0	6.00E+00	1.00E-02	--	6.00E-05	--		7.70E-05	7%
Arsenic	744-03-82	4.20E+01	3.00E-02	1.58E+00	2.85E-04	1.09E-08	25%	3.41E-04	30%
Barium	7440-39-3	1.90E+02	1.00E-02	--	4.90E-03	--		2.99E-05	3%
Beryllium	7440-41-7	1.20E+00	1.00E-02	--	2.00E-05	--		4.62E-05	4%
Cadmium	7440-43-9	9.10E+00	1.00E-03	--	2.50E-05	--		2.80E-05	2%
Chromium	16065-83-1	2.86E+01	1.00E-02	--	1.95E-02	--		1.13E-06	< 1%
Cobalt	7440-48-4	1.70E+01	1.00E-02	--	4.80E-02	--		2.73E-07	< 1%
Copper	7440-50-8	7.31E+01	1.00E-02	--	2.28E-02	--		2.47E-06	< 1%
Lead	7439-92-1	3.82E+02		--	--	--		--	
Mercury	7439-97-6	2.60E+00	1.00E-02	--	2.10E-05	--		9.54E-05	8%
Nickel	7440-02-0	6.00E+01	1.00E-02	--	8.00E-04	--		5.78E-05	5%
Selenium	7782-49-2	1.90E+00	1.00E-02	--	2.20E-03	--		6.65E-07	< 1%
Silver	7440-22-4	7.20E+00	1.00E-02	--	9.00E-04	--		6.16E-06	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE GROUNDSKEEPER -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Groundskeeper: RME Scenario	
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific	mg/kg
Exposure Frequency (EF)	6	days/yr
Fraction of EF in Contact with Sediment (ET)	1	unitless
Exposure Duration (ED)	5	yrs
Exposed Body Surface Area (SA)	3280	cm^2
Soil-to-Skin Adherence Fraction (AF)	0.1	mg/cm^2-day
Dermal Soil Absorption Fraction (DAF)	chemical-specific	unitless
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	5	yrs
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical specific	$(mg/kg\ day)^{-1}$
Body Weight (BW)	70	kg
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific	mg/kg-day
Conversion Factor (CF)	0.000001	kg/mg
Oral Absorption Factor (OAF)	chemical-specific	unitless

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$$

where: $SF_d = SF_o/OAF$

Noncarcinogenic:

$$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$$

where: $RfD_d = (RfD_o)(OAF)$

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d $(mg/kg\text{-}day)^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Thallium	7740-28-0	1.05E+01	1.00E-02	--	7.00E-05	--		1.16E-04	10%
Vanadium	7440-62-2	3.80E+01	1.00E-02	--	1.82E-04	--		1.61E-04	14%
Zinc	7440-66-6	5.22E+02	1.00E-02	--	6.00E-02	--		6.70E-06	< 1%

	Cancer Risk	Hazard Index
Pathway Sums	4.43E-08	1.14E-03

[a] COPC = chemical of potential concern after site-to-background comparison.

[b] CAS = Chemical Abstracts Service number.

[c] Maximum detected value in surface/subsurface soils.

[d] mg/kg = milligram per kilogram

[e] mg/kg-day = milligram per kilogram-day.

[f] ** = dermal absorption of volatiles from soil assumed to be insignficant (USEPA, 1992).

[g] -- = toxicity data not available.

APPENDIX F

HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	250 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	25 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	where: $SF_d = SF_o/OAF$
Soil-to-Skin Adherence Fraction (AF)	0.1 mg/cm^2-day	
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	
Oral Slope Factor Adjusted for GI Absorption (SF_o)	chemical specific $(mg/kg\text{-}day)^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific mg/kg-day	where: $RfD_d = (RfD_o)(OAF)$
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical specific unitless	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d $(mg/kg\text{-}day)^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	8.60E-02	** [f]	-- [g]	3.15E-02	--		--	
1,1,2,2-Tetrachloroethane	79-34-5	6.30E-03	**	2.86E-01	--	--		--	
1,2,3-Trichlorobenzene	87-61-6	4.60E-01	**	--	9.70E-03	--		--	
1,2,4-Trimethylbenzene	95-63-6	4.30E+00	**	--	4.85E-02	--		--	
1,2-Dichloroethane	107-06-2	2.70E-03	**	9.10E-02	3.00E-02	--		--	
1,2-Dichloroethene, cis-	156-59-2	5.80E+00	**	--	1.00E-02	--			
1,2-Dichloroethene, trans-	156-60-5	5.70E-01	**	--	2.00E-02	--		--	
1,3,5-Trimethylbenzene	108-67-8	2.00E+00	**	--	4.85E-02	--		--	
4-Methyl-2-Pentanone	108-10-1	9.00E-03	**	--	6.40E-02	--		--	
Acetone	67-64-1	7.60E+00	**	--	8.30E-02	--		--	
Benzene	71-43-2	1.50E+01	**	2.99E-02	2.91E-03	--		--	
Butylbenzene, n-	140-51-8	6.40E-01	**	--	8.00E-03	--		--	
Butylbenzene, sec-	135-98-8	7.50E-01	**	--	8.00E-03	--		--	
Ethylbenzene	100-41-4	1.70E+02	**	--	9.70E-02	--		--	
Isopropylbenzene	98-82-8	9.20E+00	**	--	8.00E-02	--		--	
Methyl ethyl ketone	78-93-3	6.30E+01	**	--	4.80E-01	--		--	
Methylene chloride	75-09-2	2.70E+00	**	7.89E-03	5.70E-02	--		--	
Propylbenzene, n-	103-65-1	1.70E+00	**	--	8.00E-03	--		--	
Styrene	100-42-5	3.60E-02	**	--	1.60E-01	--		--	
Toluene	108-88-3	2.00E+00	**	--	1.60E-01	--		--	
Trichloroethene	79-01-6	2.60E+00	**	1.10E-02	6.00E-03	--		--	
Vinyl chloride	75-1-4	5.90E-02	**	1.90E+00	--	--		--	
Xylene, o-	95-47-6	1.90E+03	**	--	1.84E+00	--		--	
Xylenes, m- & p-	1330-20-7	1.50E+01	**	--	1.84E+00	--		--	
Semi-Volatile Organic Compounds									
2-Chlorophenol	95-57-8	8.00E-03	1.00E-01	--	2.50E-03	--		1.03E-06	< 1%
3-Nitroaniline	99-09-2	2.40E-02	1.00E-01	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E-02	1.00E-01	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+00	1.00E-01	7.37E-02	3.80E-03	3.46E-08	< 1%	3.46E-04	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E-03	1.00E-01	2.20E+00	--	2.02E-09	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+00	1.00E-01	--	1.00E-01	--		2.09E-05	< 1%

APPENDIX F

HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg	$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$
Exposure Frequency (EF)	250 days/yr	
Fraction of EF in Contact with Sediment (ET)	1 unitless	
Exposure Duration (ED)	25 yrs	
Exposed Body Surface Area (SA)	3280 cm^2	
Soil-to-Skin Adherence Fraction (AF)	0.1 mg/cm^2-day	where: $SF_d = SF_o/OAF$
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless	Noncarcinogenic
Averaging Time, Carcinogens (AT_c)	70 yrs	$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	where $RfD_d = (RfD_o)(OAF)$
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical specific mg/kg day	
Conversion Factor (CF)	0.000001 kg/mg	
Oral Absorption Factor (OAF)	chemical-specific unitless	

COPC [a]	CAS Number[b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons									
2-Methylnaphthalene	91-57-6	2.30E+01	1.30E-01	--	1.60E-02	--		6.00E-04	1%
Acenaphthene	83-32-9	2.00E-03	1.30E-01	--	3.48E-02	--		2.40E-08	< 1%
Anthracene	120-12-7	5.80E-01	1.30E-01	--	2.28E-01	--		1.06E-06	< 1%
Benzo(a)anthracene	56-55-3	2.10E+00	1.30E-01	1.26E+00	--	3.94E-07	4%	--	
Benzo(a)pyrene	50-32-8	2.60E+00	1.30E-01	1.26E+01	--	4.88E-06	53%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+00	1.30E-01	1.26E+00	--	6.00E-07	6%	--	
Benzo(ghi)perylene	191-24-2	1.70E+00	1.30E-01	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+00	1.30E-01	1.26E-01	--	5.25E-08	< 1%	--	
Chrysene	218-01-9	2.80E+00	1.30E-01	1.26E-02	--	5.25E-09	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E-01	1.30E-01	1.26E+01	--	6.75E-07	7%	--	
Fluoranthene	206-44-0	4.10E+00	1.30E-01	--	2.32E-02	--		7.37E-05	< 1%
Fluorene	86-73-7	1.40E+00	1.30E-01	--	2.32E-02	--		2.52E-05	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+00	1.30E-01	1.26E+00	--	3.19E-07	3%	--	
Naphthalene	91-20-3	5.40E+00	1.30E-01	--	1.60E-02	--		1.41E-04	< 1%
Phenanthrene	85-01-8	5.60E+00	1.30E-01	--	--	--		--	
Pyrene	129-00-0	5.60E+00	1.30E-01	--	1.74E-02	--		1.34E-04	< 1%
Metals									
Aluminum	7429-90-5	1.80E+04	1.00E-02	--	1.00E-01	--		5.78E-03	12%
Antimony	7440-36-0	6.00E+00	1.00E-02	--	6.00E-05	--		3.21E-03	7%
Arsenic	744-03-82	4.20E+01	3.00E-02	1.58E+00	2.85E-04	2.28E-06	25%	1.42E-02	30%
Barium	7440-39-3	1.90E+02	1.00E-02	--	4.90E-03	--		1.24E-03	3%
Beryllium	7440-41-7	1.20E+00	1.00E-02	--	2.00E-05	--		1.93E-03	4%
Cadmium	7440-43-9	9.10E+00	1.00E-03	--	2.50E-05	--		1.17E-03	2%
Chromium	16065-83-1	2.86E+01	1.00E-02	--	1.95E-02	--		4.71E-05	< 1%
Cobalt	7440-48-4	1.70E+01	1.00E-02	--	4.80E-02	--		1.14E-05	< 1%
Copper	7440-50-8	7.31E+01	1.00E-02	--	2.28E-02	--		1.03E-04	< 1%
Lead	7439-92-1	3.82E+02		--	--	--		--	
Mercury	7439-97-6	2.60E+00	1.00E-02	--	2.10E-05	--		3.97E-03	8%
Nickel	7440-02-0	6.00E+01	1.00E-02	--	8.00E-04	--		2.41E-03	5%
Selenium	7782-49-2	1.90E+00	1.00E-02	--	2.20E-03	--		2.77E-05	< 1%
Silver	7440-22-4	7.20E+00	1.00E-02	--	9.00E-04	--		2.57E-04	< 1%

APPENDIX F

HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH SURFACE/SUBSURFACE SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions	
Receptor	Hypothetical Nonintrusive Worker: RME Scenario
COPC Concentration in Soil/Sediment ($C_{soil/sed}$)	chemical-specific mg/kg
Exposure Frequency (EF)	250 days/yr
Fraction of EF in Contact with Sediment (ET)	1 unitless
Exposure Duration (ED)	25 yrs
Exposed Body Surface Area (SA)	3280 cm^2
Soil-to-Skin Adherence Fraction (AF)	0.1 mg/cm^2-day
Dermal Soil Absorption Fraction (DAF)	chemical-specific unitless
Averaging Time, Carcinogens (AT_c)	70 yrs
Averaging Time, Noncarcinogens (AT_n)	25 yrs
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical specific (mg/kg-day)$^{-1}$
Body Weight (BW)	70 kg
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical specific mg/kg day
Conversion Factor (CF)	0.000001 kg/mg
Oral Absorption Factor (OAF)	chemical-specific unitless

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(SF_d)(CF)}{(BW)(AT_c)(365 days/year)}$$

where: $SF_d = SF_o/OAF$

Noncarcinogenic:

$$Hazard = \frac{(C_{soil/sed})(EF)(ET)(ED)(SA)(AF)(DAF)(CF)}{(RfD_d)(BW)(AT_n)(365 days/year)}$$

where $RfD_d = (RfD_o)(OAF)$

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (mg/kg) [d]	DAF (unitless)	SF_d (mg/kg-day)$^{-1}$ [e]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Thallium	7740-28-0	1.05E+01	1.00E-02	--	7.00E-05	--		4.81E-03	10%
Vanadium	7440-62-2	3.80E+01	1.00E-02	--	1.82E-04	--		6.70E-03	14%
Zinc	7440-66-6	5.22E+02	1.00E-02	--	6.00E-02	--		2.79E-04	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	9.24E-06	4.75E-02

[a] COPC = chemical of potential concern after site-to-background comparison.

[b] CAS = Chemical Abstracts Service number.

[c] Maximum detected value in surface/subsurface soils.

[d] mg/kg = milligram per kilogram

[e] mg/kg-day = milligram per kilogram-day.

[f] ** = dermal absorption of volatiles from soil assumed to be insignficant (USEPA, 1992).

[g] -- = toxicity data not available.

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER – TAXIWAY – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions	
Receptor	Intrusive Worker (Taxiway): RME Scenario
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$
Exposure Frequency (EF)	20 days/yr
Exposure Duration (ED)	1 yrs
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless
Averaging Time, Carcinogens (AT_c)	70 yrs
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$
Volatilization Factor (VF)	chemical-specific m^3/kg
Particulate emission factor (PEF)	$1.32E+09\ m^3/kg$

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$$

Noncarcinogenic:

$$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$$

where:

$$C_{air\ VOC} = \frac{C_{soil}}{VF} \quad \text{for organics; and}$$

$$C_{air\ Particulate} = \frac{C_{soil}}{PEF} \quad \text{for inorganics}$$

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$ [g]	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	8.60E+01	2.22E+03	3.88E-02	-- [g]	1.00E+03	--		7.09E-07	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E+00	1.42E+04	4.45E-04	5.71E-05	--	6.63E-12	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E+02	4.62E+04	9.95E-03	--	2.00E+02	--		9.09E-07	< 1%
1,2,4 Trimethylbenzene	95-63-6	4.30E+03	1.23E+04	3.50E-01	--	5.95E+00	--		1.07E-03	5%
1,2-Dichloroethane	107-06-2	2.70E+00	3.93E+03	6.88E-04	2.60E-05	1.05E+02	4.67E-12	< 1%	1.20E-07	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+03	2.91E+03	1.99E+00	--	3.50E+01	--		1.04E-03	5%
1,2-Dichloroethene, trans-	156-60-5	5.70E+02	2.32E+03	2.45E-01	--	7.00E+01	--		6.40E-05	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+03	7.29E+03	2.74E-01	--	5.95E+00	--		8.42E-04	4%
4-Methyl-2-Pentanone	108-10-1	9.00E+00	1.06E+04	8.49E-04	--	8.05E+01	--		1.93E-07	< 1%
Acetone	67-64-1	7.60E+03	1.27E+04	6.01E-01	--	3.50E+02	--		3.13E-05	< 1%
Benzene	71-43-2	1.50E+04	2.72E+03	5.51E+00	7.80E-06	5.95E+00	1.12E-08	86%	1.69E-02	74%
Butylbenzene, n-	140-51-8	6.40E+02	--	--	--	3.50E+01	--		--	
Butylbenzene, sec-	135-98-8	7.50E+02	--	--	--	3.50E+01	--		--	
Ethylbenzene	100-41-4	1.70E+05	5.43E+03	3.13E+01	--	1.00E+03	--		5.71E-04	2%
Isopropylbenzene	98-82-8	9.20E+03	--	--	--	--	--		--	
Methyl ethyl ketone	78-93-3	6.30E+04	1.30E+04	4.84E+00	--	1.02E+03	--		8.72E-05	< 1%
Methylene chloride	75-09-2	2.70E+03	2.50E+03	1.08E+00	4.70E-07	3.00E+03	1.33E-10	1%	6.58E-06	< 1%
Propylbenzene, n-	103-65-1	1.70E+03	7.19E+03	2.37E-01	--	3.50E+01	--		1.23E-04	< 1%
Styrene	100-42-5	3.60E+01	7.89E+03	4.56E-03	--	1.00E+03	--		8.33E-08	< 1%
Toluene	108-88-3	2.00E+03	3.97E+03	5.04E-01	--	4.00E+02	--		2.30E-05	< 1%
Trichloroethene	79-01-6	2.60E+03	3.28E+03	7.93E-01	1.71E-06	2.10E+01	3.54E-10	3%	6.90E-04	3%
Vinyl chloride	75-1-4	5.90E+01	1.04E+03	5.69E-02	8.40E-05	--	1.25E-09	10%	--	
Xylene, o-	95-47-6	1.90E+06	6.13E+03	3.10E+02	--	7.00E+03	--		8.08E-04	4%
Xylenes, m- & p-	1330-20-7	1.50E+04	5.58E+03	2.69E+00	--	7.00E+03	--		7.01E-06	< 1%
Semi-Volatile Organic Compounds										
2-Chlorophenol	95-57-8	8.00E+00	1.83E+04	4.38E-04	--	1.75E+01	--		4.58E-07	< 1%
3-Nitroaniline	99-09-2	2.40E+01	--	--	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E+01	--	--	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+03	2.13E+08	1.93E-05	4.00E-06	7.70E+01	2.01E-14	< 1%	4.57E-09	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E+00	3.35E+04	2.39E-04	3.43E-04	--	2.14E-11	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+03	7.94E+06	8.19E-04	--	3.50E+02	--		4.27E-08	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- TAXIWAY -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$
Exposure Frequency (EF)	20 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air\text{-}VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volatilization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	$1.32E+09$ m^3/kg	$C_{air\text{-}Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons										
2-Methylnaphthalene	91-57-6	2.30E+04	--	--	--	--	--		--	
Acenaphthene	83-32-9	2.00E+00	2.20E+05	9.09E-06	--	2.10E+02	--		7.91E-10	< 1%
Anthracene	120-12-7	5.80E+02	7.86E+05	7.38E-04	--	1.05E+03	--		1.28E-08	< 1%
Benzo(a)anthracene	56-55-3	2.10E+03	9.48E+06	2.21E-04	8.80E-05	--	5.08E-12	< 1%	--	
Benzo(a)pyrene	50-32-8	2.60E+03	2.43E+07	1.07E-04	8.80E-04	--	2.45E-11	< 1%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+03	4.67E+06	6.85E-04	8.80E-05	--	1.57E-11	< 1%	--	
Benzo(ghi)perylene	191-24-2	1.70E+03	--	--	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+03	3.93E+07	7.12E-05	8.80E-06	--	1.63E-13	< 1%	--	
Chrysene	218-01-9	2.80E+03	2.74E+06	1.02E-03	8.80E-07	--	2.34E-13	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E+02	1.21E+08	2.98E-06	8.80E-04	--	6.84E-13	< 1%	--	
Fluoranthene	206-44-0	4.10E+03	3.08E+06	1.33E-03	--	1.40E+02	--		1.74E-07	< 1%
Fluorene	86-73-7	1.40E+03	5.12E+05	2.74E-03	--	1.40E+02	--		3.57E-07	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+03	5.66E+07	3.00E-05	2.09E-04	--	1.64E-12	< 1%	--	
Naphthalene	91-20-3	5.40E+03	5.61E+04	9.62E-02	--	3.00E+00	--		5.86E-04	3%
Phenanthrene	85-01-8	5.60E+03	7.74E+05	7.23E-03	--	--	--		--	
Pyrene	129-00-0	5.60E+03	3.82E+06	1.47E-03	--	1.05E+02	--		2.55E-07	< 1%
Metals										
Aluminum	7429-90-5	1.80E+07	--	1.36E-02	--	--	--		--	
Antimony	7440-36-0	6.00E+03	--	4.55E-06	--	--	--		--	
Arsenic	744-03-82	4.20E+04	--	3.18E-05	4.30E-03	--	3.57E-11	< 1%	--	
Barium	7440-39-3	1.90E+05	--	1.44E-04	--	4.90E-01	--		5.37E-06	< 1%
Beryllium	7440-41-7	1.20E+03	--	9.09E-07	2.40E-03	2.00E-02	5.69E-13	< 1%	8.30E-07	< 1%
Cadmium	7440-43-9	9.10E+03	--	6.89E-06	1.80E-03	2.00E-01	3.24E-12	< 1%	6.30E-07	< 1%
Chromium	16065-83-1	2.86E+04	--	2.17E-05	--	--	--		--	
Cobalt	7440-48-4	1.70E+04	--	1.29E-05	--	2.00E-02	--		1.18E-05	< 1%
Copper	7440-50-8	7.31E+04	--	5.54E-05	--	--	--		--	
Lead	7439-92-1	3.82E+05	--	2.89E-04	--	--	--		--	
Mercury	7439-97-6	2.60E+03	--	1.97E-06	--	--	--		--	
Nickel	7440-02-0	6.00E+04	--	4.55E-05	--	--	--		--	
Selenium	7782-49-2	1.90E+03	--	1.44E-06	--	--	--		--	
Silver	7440-22-4	7.20E+03	--	5.45E-06	--	--	--		--	
Thallium	7740-28-0	1.05E+04	--	7.95E-06	--	--	--		--	
Vanadium	7440-62-2	3.80E+04	--	2.88E-05	--	--	--		--	
Zinc	7440-66-6	5.22E+05	--	3.95E-04	--	--	--		--	

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER – TAXIWAY – RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Taxiway): RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365 days/year)}$
Exposure Frequency (EF)	20 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air-VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	$C_{air-Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

COPC [a/]	CAS Number [b/]	Maximum Detected Concentration [c/] ($\mu g/kg$) [d/]	Volitalization Factor (m^3/kg) [e/]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f/]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total

Pathway Sums:	Cancer Risk	Hazard Index
	1.31E-08	2.29E-02

[a/] COPC = chemical of potential concern after site-to-background comparison.

[b/] CAS = Chemical Abstracts Service number

[c/] Maximum detected value in surface/subsurface soils.

[d/] $\mu g/kg$ = micrograms per kilogram.

[e/] m^3/kg = cubic meters per kilogram.

[f/] $\mu g/m^3$ = micrograms per cubic meter.

[g/] -- = data was unavailable.

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER – HANGAR OR BLDG. – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Intrusive Worker (Hangar/Bldg.): RME Scenario	
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific	$\mu g/m^3$
Exposure Frequency (EF)	90	days/yr
Exposure Duration (ED)	1	yrs
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333	unitless
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	1	yrs
Inhalation Unit Risk Factor (URF)	chemical-specific	$(\mu g/m^3)^{-1}$
Inhalation Reference Concentration (RfC)	chemical-specific	$\mu g/m^3$
Volitalization Factor (VF)	chemical-specific	m^3/kg
Particulate emission factor (PEF)	1.32E+09	m^3/kg

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$$

Noncarcinogenic:

$$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$$

where:

$$C_{air-VOC} = \frac{C_{soil}}{VF}$$ for organics; and

$$C_{air-Particulate} = \frac{C_{soil}}{PEF}$$ for inorganics

COPC [a/]	CAS Number [b/]	Maximum Detected Concentration [c/] ($\mu g/kg$) [d/]	Volitalization Factor (m^3/kg) [e/]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f/]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	8.60E+01	2.22E+03	3.88E-02	-- [g/]	1.00E+03	--		3.19E-06	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E+00	1.42E+04	4.45E-04	5.71E-05	--	2.98E-11	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E+02	4.62E+04	9.95E-03	--	2.00E+02	--		4.09E-06	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+03	1.23E+04	3.50E-01	--	5.95E+00	--		4.83E-03	5%
1,2-Dichloroethane	107-06-2	2.70E+00	3.93E+03	6.88E-04	2.60E-05	1.05E+02	2.10E-11	< 1%	5.38E-07	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+03	2.91E+03	1.99E+00	--	3.50E+01	--		4.67E-03	5%
1,2-Dichloroethene, trans-	156-60-5	5.70E+02	2.32E+03	2.45E-01	--	7.00E+01	--		2.88E-04	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+03	7.29E+03	2.74E-01	--	5.95E+00	--		3.79E-03	4%
4-Methyl-2-Pentanone	108-10-1	9.00E+00	1.06E+04	8.49E-04	--	8.05E+01	--		8.67E-07	< 1%
Acetone	67-64-1	7.60E+03	1.27E+04	6.01E-01	--	3.50E+02	--		1.41E-04	< 1%
Benzene	71-43-2	1.50E+04	2.72E+03	5.51E+00	7.80E-06	5.95E+00	5.04E-08	86%	7.61E-02	74%
Butylbenzene, n-	140-51-8	6.40E+02	--	--	--	3.50E+01	--		--	
Butylbenzene, sec-	135-98-8	7.50E+02	--	--	--	3.50E+01	--		--	
Ethylbenzene	100-41-4	1.70E+05	5.43E+03	3.13E+01	--	1.00E+03	--		2.57E-03	2%
Isopropylbenzene	98-82-8	9.20E+03	--	--	--	--	--		--	
Methyl ethyl ketone	78-93-3	6.30E+04	1.30E+04	4.84E+00	--	1.02E+03	--		3.92E-04	< 1%
Methylene chloride	75-09-2	2.70E+03	2.50E+03	1.08E+00	4.70E-07	3.00E+03	5.96E-10	1%	2.96E-05	< 1%
Propylbenzene, n-	103-65-1	1.70E+03	7.19E+03	2.37E-01	--	3.50E+01	--		5.55E-04	< 1%
Styrene	100-42-5	3.60E+01	7.89E+03	4.56E-03	--	1.00E+03	--		3.75E-07	< 1%
Toluene	108-88-3	2.00E+03	3.97E+03	5.04E-01	--	4.00E+02	--		1.04E-04	< 1%
Trichloroethene	79-01-6	2.60E+03	3.28E+03	7.93E-01	1.71E-06	2.10E+01	1.59E-09	3%	3.10E-03	3%
Vinyl chloride	75-1-4	5.90E+01	1.04E+03	5.69E-02	8.40E-05	--	5.61E-09	10%	--	
Xylene, o-	95-47-6	1.90E+06	6.13E+03	3.10E+02	--	7.00E+03	--		3.64E-03	4%
Xylenes, m- & p-	1330-20-7	1.50E+04	5.58E+03	2.69E+00	--	7.00E+03	--		3.16E-05	< 1%
Semi-Volatile Organic Compounds										
2-Chlorophenol	95-57-8	8.00E+00	1.83E+04	4.38E-04	--	1.75E+01	--		2.06E-06	< 1%
3-Nitroaniline	99-09-2	2.40E+01	--	--	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E+01	--	--	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+03	2.13E+08	1.93E-05	4.00E-06	7.70E+01	9.05E-14	< 1%	2.06E-08	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E+00	3.35E+04	2.39E-04	3.43E-04	--	9.61E-11	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+03	7.94E+06	8.19E-04	--	3.50E+02	--		1.92E-07	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- HANGAR OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar/Bldg.): RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\ VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$
Exposure Frequency (EF)	90 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air\ VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	$C_{air\ Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons										
2-Methylnaphthalene	91-57-6	2.30E+04	--	--	--	--	--		--	
Acenaphthene	83-32-9	2.00E+00	2.20E+05	9.09E-06	--	2.10E+02	--		3.56E-09	< 1%
Anthracene	120-12-7	5.80E+02	7.86E+05	7.38E-04	--	1.05E+03	--		5.78E-08	< 1%
Benzo(a)anthracene	56-55-3	2.10E+03	9.48E+06	2.21E-04	8.80E-05	--	2.29E-11	< 1%	--	
Benzo(a)pyrene	50-32-8	2.60E+03	2.43E+07	1.07E-04	8.80E-04	--	1.10E-10	< 1%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+03	4.67E+06	6.85E-04	8.80E-05	--	7.07E-11	< 1%	--	
Benzo(ghi)perylene	191-24-2	1.70E+03	--	--	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+03	3.93E+07	7.12E-05	8.80E-06	--	7.36E-13	< 1%	--	
Chrysene	218-01-9	2.80E+03	2.74E+06	1.02E-03	8.80E-07	--	1.06E-12	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E+02	1.21E+08	2.98E-06	8.80E-04	--	3.08E-12	< 1%	--	
Fluoranthene	206-44-0	4.10E+03	3.08E+06	1.33E-03	--	1.40E+02	--		7.82E-07	< 1%
Fluorene	86-73-7	1.40E+03	5.12E+05	2.74E-03	--	1.40E+02	--		1.61E-06	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+03	5.66E+07	3.00E-05	2.09E-04	--	7.37E-12	< 1%	--	
Naphthalene	91-20-3	5.40E+03	5.61E+04	9.62E-02	--	3.00E+00	--		2.64E-03	3%
Phenanthrene	85-01-8	5.60E+03	7.74E+05	7.23E-03	--	--	--		--	
Pyrene	129-00-0	5.60E+03	3.82E+06	1.47E-03	--	1.05E+02	--		1.15E-06	< 1%
Metals										
Aluminum	7429-90-5	1.80E+07	--	1.36E-02	--	--	--		--	
Antimony	7440-36-0	6.00E+03	--	4.55E-06	--	--	--		--	
Arsenic	744-03-82	4.20E+04	--	3.18E-05	4.30E-03	--	1.61E-10	< 1%	--	
Barium	7440-39-3	1.90E+05	--	1.44E-04	--	4.90E-01	--		2.41E-05	< 1%
Beryllium	7440-41-7	1.20E+03	--	9.09E-07	2.40E-03	2.00E-02	2.56E-12	< 1%	3.74E-06	< 1%
Cadmium	7440-43-9	9.10E+03	--	6.89E-06	1.80E-03	2.00E-01	1.46E-11	< 1%	2.83E-06	< 1%
Chromium	16065-83-1	2.86E+04	--	2.17E-05	--	--	--		--	
Cobalt	7440-48-4	1.70E+04	--	1.29E-05	--	2.00E-02	--		5.29E-05	< 1%
Copper	7440-50-8	7.31E+04	--	5.54E-05	--	--	--		--	
Lead	7439-92-1	3.82E+05	--	2.89E-04	--	--	--		--	
Mercury	7439-97-6	2.60E+03	--	1.97E-06	--	--	--		--	
Nickel	7440-02-0	6.00E+04	--	4.55E-05	--	--	--		--	
Selenium	7782-49-2	1.90E+03	--	1.44E-06	--	--	--		--	
Silver	7440-22-4	7.20E+03	--	5.45E-06	--	--	--		--	
Thallium	7740-28-0	1.05E+04	--	7.95E-06	--	--	--		--	
Vanadium	7440-62-2	3.80E+04	--	2.88E-05	--	--	--		--	
Zinc	7440-66-6	5.22E+05	--	3.95E-04	--	--	--		--	

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER – HANGAR OR BLDG. – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar/Bldg.): RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\ VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365 days/year)}$
Exposure Frequency (EF)	90 days/yr	
Exposure Duration (ED)	1 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where: $C_{air\ VOC} = \frac{C_{soil}}{VF}$ for organics; and
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	
Volitalization Factor (VF)	chemical-specific m^3/kg	$C_{air\ Particulate} = \frac{C_{soil}}{PEF}$ for inorganics
Particulate emission factor (PEF)	1.32E+09 m^3/kg	

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
						Pathway Sums:	Cancer Risk 5.88E-08		Hazard Index 1.03E-01	

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] Maximum detected value in surface/subsurface soils.
[d] $\mu g/kg$ = micrograms per kilogram.
[e] m^3/kg = cubic meters per kilogram.
[f] $\mu g/m^3$ = micrograms per cubic meter.
[g] -- = data was unavailable.

APPENDIX F

CURRENT/FUTURE ONSITE GROUNDSKEEPER – RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Groundskeeper: RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$
Exposure Frequency (EF)	6 days/yr	
Exposure Duration (ED)	5 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	5 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air\ VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	$C_{air\ Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$ [g]	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	8.60E+01	2.22E+03	3.88E-02	-- [h]	1.00E+03	--		2.13E-07	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E+00	1.42E+04	4.45E-04	5.71E-05	--	9.94E-12	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E+02	4.62E+04	9.95E-03	--	2.00E+02	--		2.73E-07	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+03	1.23E+04	3.50E-01	--	5.95E+00	--		3.22E-04	5%
1,2-Dichloroethane	107-06-2	2.70E+00	3.93E+03	6.88E-04	2.60E-05	1.05E+02	7.00E-12	< 1%	3.59E-08	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+03	2.91E+03	1.99E+00	--	3.50E+01	--		3.12E-04	5%
1,2-Dichloroethene, trans-	156-60-5	5.70E+02	2.32E+03	2.45E-01	--	7.00E+01	--		1.92E-05	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+03	7.29E+03	2.74E-01	--	5.95E+00	--		2.53E-04	4%
4-Methyl-2-Pentanone	108-10-1	9.00E+00	1.06E+04	8.49E-04	--	8.05E+01	--		5.78E-08	< 1%
Acetone	67-64-1	7.60E+03	1.27E+04	6.01E-01	--	3.50E+02	--		9.40E-06	< 1%
Benzene	71-43-2	1.50E+04	2.72E+03	5.51E+00	7.80E-06	5.95E+00	1.68E-08	86%	5.07E-03	74%
Butylbenzene, n-	140-51-8	6.40E+02	--	--	--	3.50E+01	--		--	
Butylbenzene, sec-	135-98-8	7.50E+02	--	--	--	3.50E+01	--		--	
Ethylbenzene	100-41-4	1.70E+05	5.43E+03	3.13E+01	--	1.00E+03	--		1.71E-04	2%
Isopropylbenzene	98-82-8	9.20E+03	--	--	--	--	--		--	
Methyl ethyl ketone	78-93-3	6.30E+04	1.30E+04	4.84E+00	--	1.02E+03	--		2.62E-05	< 1%
Methylene chloride	75-09-2	2.70E+03	2.50E+03	1.08E+00	4.70E-07	3.00E+03	1.99E-10	1%	1.97E-06	< 1%
Propylbenzene, n-	103-65-1	1.70E+03	7.19E+03	2.37E-01	--	3.50E+01	--		3.70E-05	< 1%
Styrene	100-42-5	3.60E+01	7.89E+03	4.56E-03	--	1.00E+03	--		2.50E-08	< 1%
Toluene	108-88-3	2.00E+03	3.97E+03	5.04E-01	--	4.00E+02	--		6.90E-06	< 1%
Trichloroethene	79-01-6	2.60E+03	3.28E+03	7.93E-01	1.71E-06	2.10E+01	5.31E-10	3%	2.07E-04	3%
Vinyl chloride	75-1-4	5.90E+01	1.04E+03	5.69E-02	8.40E-05	--	1.87E-09	10%	--	
Xylene, o-	95-47-6	1.90E+06	6.13E+03	3.10E+02	--	7.00E+03	--		2.43E-04	4%
Xylenes, m- & p-	1330-20-7	1.50E+04	5.58E+03	2.69E+00	--	7.00E+03	--		2.10E-06	< 1%
Semi-Volatile Organic Compounds										
2-Chlorophenol	95-57-8	8.00E+00	1.83E+04	4.38E-04	--	1.75E+01	--		1.37E-07	< 1%
3-Nitroaniline	99-09-2	2.40E+01	--	--	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E+01	--	--	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+03	2.13E+08	1.93E-05	4.00E-06	7.70E+01	3.02E-14	< 1%	1.37E-09	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E+00	3.35E+04	2.39E-04	3.43E-04	--	3.20E-11	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+03	7.94E+06	8.19E-04	--	3.50E+02	--		1.28E-08	< 1%

APPENDIX F

CURRENT/FUTURE ONSITE GROUNDSKEEPER – RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Groundskeeper: RME Scenario	
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$	
Exposure Frequency (EF)	6 days/yr	
Exposure Duration (ED)	5 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	5 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$$

Noncarcinogenic:

$$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$$

where:

$$C_{air-VOC} = \frac{C_{soil}}{VF} \quad \text{for organics; and}$$

$$C_{air\ Particulate} = \frac{C_{soil}}{PEF} \quad \text{for inorganics}$$

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] (µg/kg) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC\ Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Polynuclear Aromatic Hydrocarbons										
2-Methylnaphthalene	91-57-6	2.30E+04	--	--	--	--	--		--	
Acenaphthene	83-32-9	2.00E+00	2.20E+05	9.09E-06	--	2.10E+02	--		2.37E-10	< 1%
Anthracene	120-12-7	5.80E+02	7.86E+05	7.38E-04	--	1.05E+03	--		3.85E-09	< 1%
Benzo(a)anthracene	56-55-3	2.10E+03	9.48E+06	2.21E-04	8.80E-05	--	7.63E-12	< 1%	--	
Benzo(a)pyrene	50-32-8	2.60E+03	2.43E+07	1.07E-04	8.80E-04	--	3.68E-11	< 1%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+03	4.67E+06	6.85E-04	8.80E-05	--	2.36E-11	< 1%	--	
Benzo(ghi)perylene	191-24-2	1.70E+03	--	--	--	--	--		--	
Benzo(k)fluoranthene	207-08-9	2.80E+03	3.93E+07	7.12E-05	8.80E-06	--	2.45E-13	< 1%	--	
Chrysene	218-01-9	2.80E+03	2.74E+06	1.02E-03	8.80E-07	--	3.52E-13	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E+02	1.21E+08	2.98E-06	8.80E-04	--	1.03E-12	< 1%	--	
Fluoranthene	206-44-0	4.10E+03	3.08E+06	1.33E-03	--	1.40E+02	--		5.21E-08	< 1%
Fluorene	86-73-7	1.40E+03	5.12E+05	2.74E-03	--	1.40E+02	--		1.07E-07	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+03	5.66E+07	3.00E-05	2.09E-04	--	2.46E-12	< 1%	--	
Naphthalene	91-20-3	5.40E+03	5.61E+04	9.62E-02	--	3.00E+00	--		1.76E-04	3%
Phenanthrene	85-01-8	5.60E+03	7.74E+05	7.23E-03	--	--	--		--	
Pyrene	129-00-0	5.60E+03	3.82E+06	1.47E-03	--	1.05E+02	--		7.66E-08	< 1%
Metals										
Aluminum	7429-90-5	1.80E+07	--	1.36E-02	--	--	--		--	
Antimony	7440-36-0	6.00E+03	--	4.55E-06	--	--	--		--	
Arsenic	744-03-82	4.20E+04	--	3.18E-05	4.30E-03	--	5.35E-11	< 1%	--	
Barium	7440-39-3	1.90E+05	--	1.44E-04	--	4.90E-01	--		1.61E-06	< 1%
Beryllium	7440-41-7	1.20E+03	--	9.09E-07	2.40E-03	2.00E-02	8.54E-13	< 1%	2.49E-07	< 1%
Cadmium	7440-43-9	9.10E+03	--	6.89E-06	1.80E-03	2.00E-01	4.86E-12	< 1%	1.89E-07	< 1%
Chromium	16065-83-1	2.86E+04	--	2.17E-05	--	--	--		--	
Cobalt	7440-48-4	1.70E+04	--	1.29E-05	--	2.00E-02	--		3.53E-06	< 1%
Copper	7440-50-8	7.31E+04	--	5.54E-05	--	--	--		--	
Lead	7439-92-1	3.82E+05	--	2.89E-04	--	--	--		--	
Mercury	7439-97-6	2.60E+03	--	1.97E-06	--	--	--		--	
Nickel	7440-02-0	6.00E+04	--	4.55E-05	--	--	--		--	
Selenium	7782-49-2	1.90E+03	--	1.44E-06	--	--	--		--	
Silver	7440-22-4	7.20E+03	--	5.45E-06	--	--	--		--	
Thallium	7740-28-0	1.05E+04	--	7.95E-06	--	--	--		--	
Vanadium	7440-62-2	3.80E+04	--	2.88E-05	--	--	--		--	
Zinc	7440-66-6	5.22E+05	--	3.95E-04	--	--	--		--	

APPENDIX F

CURRENT/FUTURE ONSITE GROUNDSKEEPER – RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Groundskeeper: RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365 days/year)}$
Exposure Frequency (EF)	6 days/yr	
Exposure Duration (ED)	5 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	5 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air-VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	$C_{air\ Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total

Pathway Sums:	Cancer Risk	Hazard Index
	1.96E-08	6.86E-03

[a] COPC = chemical of potential concern after site-to-background comparison.

[b] CAS = Chemical Abstracts Service number

[c] Maximum detected value in surface/subsurface soils.

[d] $\mu g/kg$ = micrograms per kilogram.

[e] m^3/kg = cubic meters per kilogram

[f] $\mu g/m^3$ = micrograms per cubic meter

[g] -- = data was unavailable.

APPENDIX F

HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions	
Receptor	Hypothetical Nonintrusive Worker: RME Scenario
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air\text{-}VOC/Particulate}$)	chemical-specific $\mu g/m^3$
Exposure Frequency (EF)	250 days/yr
Exposure Duration (ED)	25 yrs
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless
Averaging Time, Carcinogens (AT_c)	70 yrs
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$
Volitalization Factor (VF)	chemical-specific m^3/kg
Particulate emission factor (PEF)	1.32E+09 m^3/kg

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365days/year)}$$

Noncarcinogenic:

$$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365days/year)}$$

where:

$C_{air-VOC} = \frac{C_{soil}}{VF}$ for organics; and

$C_{air-Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

COPC [a]	CAS Number [b]	Maximum Detected Concentration [c] ($\mu g/kg$) [d]	Volitalization Factor (m^3/kg) [e]	$C_{air\ VOC/Particulate}$ ($\mu g/m^3$) [f]	URF $(\mu g/m^3)^{-1}$ [g]	RfC ($\mu g/m^3$)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds										
1,1,1-Trichloroethane	71-55-6	8.60E+01	2.22E+03	3.88E-02	-- [g]	1.00E+03	--		8.86E-06	< 1%
1,1,2,2-Tetrachloroethane	79-34-5	6.30E+00	1.42E+04	4.45E-04	5.71E-05	--	2.07E-09	< 1%	--	
1,2,3-Trichlorobenzene	87-61-6	4.60E+02	4.62E+04	9.95E-03	--	2.00E+02	--		1.14E-05	< 1%
1,2,4-Trimethylbenzene	95-63-6	4.30E+03	1.23E+04	3.50E-01	--	5.95E+00	--		1.34E-02	5%
1,2-Dichloroethane	107-06-2	2.70E+00	3.93E+03	6.88E-04	2.60E-05	1.05E+02	1.46E-09	< 1%	1.50E-06	< 1%
1,2-Dichloroethene, cis-	156-59-2	5.80E+03	2.91E+03	1.99E+00	--	3.50E+01	--		1.30E-02	5%
1,2-Dichloroethene, trans-	156-60-5	5.70E+02	2.32E+03	2.45E-01	--	7.00E+01	--		8.01E-04	< 1%
1,3,5-Trimethylbenzene	108-67-8	2.00E+03	7.29E+03	2.74E-01	--	5.95E+00	--		1.05E-02	4%
4-Methyl-2-Pentanone	108-10-1	9.00E+00	1.06E+04	8.49E-04	--	8.05E+01	--		2.41E-06	< 1%
Acetone	67-64-1	7.60E+03	1.27E+04	6.01E-01	--	3.50E+02	--		3.92E-04	< 1%
Benzene	71-43-2	1.50E+04	2.72E+03	5.51E+00	7.80E-06	5.95E+00	3.50E-06	86%	2.11E-01	74%
Butylbenzene, n-	140-51-8	6.40E+02	--	--	--	3.50E+01	--		--	
Butylbenzene, sec-	135-98-8	7.50E+02	--	--	--	3.50E+01	--		--	
Ethylbenzene	100-41-4	1.70E+05	5.43E+03	3.13E+01	--	1.00E+03	--		7.14E-03	2%
Isopropylbenzene	98-82-8	9.20E+03	--	--	--	--	--		--	
Methyl ethyl ketone	78-93-3	6.30E+04	1.30E+04	4.84E+00	--	1.02E+03	--		1.09E-03	< 1%
Methylene chloride	75-09-2	2.70E+03	2.50E+03	1.08E+00	4.70E-07	3.00E+03	4.14E-08	1%	8.22E-05	< 1%
Propylbenzene, n-	103-65-1	1.70E+03	7.19E+03	2.37E-01	--	3.50E+01	--		1.54E-03	< 1%
Styrene	100-42-5	3.60E+01	7.89E+03	4.56E-03	--	1.00E+03	--		1.04E-06	< 1%
Toluene	108-88-3	2.00E+03	3.97E+03	5.04E-01	--	4.00E+02	--		2.88E-04	< 1%
Trichloroethene	79-01-6	2.60E+03	3.28E+03	7.93E-01	1.71E-06	2.10E+01	1.11E-07	3%	8.62E-03	3%
Vinyl chloride	75-1-4	5.90E+01	1.04E+03	5.69E-02	8.40E-05	--	3.90E-07	10%	--	
Xylene, o-	95-47-6	1.90E+06	6.13E+03	3.10E+02	--	7.00E+03	--		1.01E-02	4%
Xylenes, m- & p-	1330-20-7	1.50E+04	5.58E+03	2.69E+00	--	7.00E+03	--		8.77E-05	< 1%
Semi-Volatile Organic Compounds										
2-Chlorophenol	95-57-8	8.00E+00	1.83E+04	4.38E-04	--	1.75E+01	--		5.72E-06	< 1%
3-Nitroaniline	99-09-2	2.40E+01	--	--	--	--	--		--	
4-Nitroaniline	100-01-6	3.00E+01	--	--	--	--	--		--	
bis(2-Ethylhexyl)phthalate	117-81-7	4.10E+03	2.13E+08	1.93E-05	4.00E-06	7.70E+01	6.29E-12	< 1%	5.72E-08	< 1%
bis(2-Chlorethyl)ether	111-44-4	8.00E+00	3.35E+04	2.39E-04	3.43E-04	--	6.67E-09	< 1%	--	
di-n-Butylphthalate	84-74-2	6.50E+03	7.94E+06	8.19E-04	--	3.50E+02	--		5.34E-07	< 1%

APPENDIX F

HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air-VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365 days/year)}$
Exposure Frequency (EF)	250 days/yr	
Exposure Duration (ED)	25 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air-VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	$C_{air\ Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

	CAS	Maximum Detected Concentration	Volitalization Factor	$C_{air\ VOC/Particulate}$	URF	RfC	Cancer	% of	Hazard	% of
Polynuclear Aromatic Hydrocarbons										
2-Methylnaphthalene	91-57-6	2.30E+04	--	--	--	--	--		--	
Acenaphthene	83-32-9	2.00E+00	2.20E+05	9.09E-06	--	2.10E+02	--		9.88E-09	< 1%
Anthracene	120-12-7	5.80E+02	7.86E+05	7.38E-04	--	1.05E+03	--		1.60E-07	< 1%
Benzo(a)anthracene	56-55-3	2.10E+03	9.48E+06	2.21E-04	8.80E-05	--	1.59E-09	< 1%	--	
Benzo(a)pyrene	50-32-8	2.60E+03	2.43E+07	1.07E-04	8.80E-04	--	7.67E-09	< 1%	--	
Benzo(b)fluoranthene	205-99-2	3.20E+03	4.67E+06	6.85E-04	8.80E-05	--	4.91E-09	< 1%	--	
Benzo(ghi)perylene	191-24-2	1.70E+03	--	--	--	--	--			
Benzo(k)fluoranthene	207-08-9	2.80E+03	3.93E+07	7.12E-05	8.80E-06	--	5.11E-11	< 1%	--	
Chrysene	218-01-9	2.80E+03	2.74E+06	1.02E-03	8.80E-07	--	7.33E-11	< 1%	--	
Dibenz(a,h)anthracene	53-70-3	3.60E+02	1.21E+08	2.98E-06	8.80E-04	--	2.14E-10	< 1%	--	
Fluoranthene	206-44-0	4.10E+03	3.08E+06	1.33E-03	--	1.40E+02	--		2.17E-06	< 1%
Fluorene	86-73-7	1.40E+03	5.12E+05	2.74E-03	--	1.40E+02	--		4.46E-06	< 1%
Indeno(1,2,3-cd)pyrene	193-39-5	1.70E+03	5.66E+07	3.00E-05	2.09E-04	--	5.12E-10	< 1%	--	
Naphthalene	91-20-3	5.40E+03	5.61E+04	9.62E-02	--	3.00E+00	--		7.32E-03	3%
Phenanthrene	85-01-8	5.60E+03	7.74E+05	7.23E-03	--	--	--		--	
Pyrene	129-00-0	5.60E+03	3.82E+06	1.47E-03	--	1.05E+02	--		3.19E-06	< 1%
Metals										
Aluminum	7429-90-5	1.80E+07	--	1.36E-02	--	--	--		--	
Antimony	7440-36-0	6.00E+03	--	4.55E-06	--	--	--		--	
Arsenic	744-03-82	4.20E+04	--	3.18E-05	4.30E-03	--	1.12E-08	< 1%	--	
Barium	7440-39-3	1.90E+05	--	1.44E-04	--	4.90E-01	--		6.71E-05	< 1%
Beryllium	7440-41-7	1.20E+03	--	9.09E-07	2.40E-03	2.00E-02	1.78E-10	< 1%	1.04E-05	< 1%
Cadmium	7440-43-9	9.10E+03	--	6.89E-06	1.80E-03	2.00E-01	1.01E-09	< 1%	7.87E-06	< 1%
Chromium	16065-83-1	2.86E+04	--	2.17E-05	--	--	--		--	
Cobalt	7440-48-4	1.70E+04	--	1.29E-05	--	2.00E-02	--		1.47E-04	< 1%
Copper	7440-50-8	7.31E+04	--	5.54E-05	--	--	--		--	
Lead	7439-92-1	3.82E+05	--	2.89E-04	--	--	--		--	
Mercury	7439-97-6	2.60E+03	--	1.97E-06	--	--	--		--	
Nickel	7440-02-0	6.00E+04	--	4.55E-05	--	--	--		--	
Selenium	7782-49-2	1.90E+03	--	1.44E-06	--	--	--		--	
Silver	7440-22-4	7.20E+03	--	5.45E-06	--	--	--		--	
Thallium	7740-28-0	1.05E+04	--	7.95E-06	--	--	--		--	
Vanadium	7440-62-2	3.80E+04	--	2.88E-05	--	--	--		--	
Zinc	7440-66-6	5.22E+05	--	3.95E-04	--	--	--		--	

APPENDIX F

HYPOTHETICAL CURRENT/FUTURE ONSITE NONINTRUSIVE WORKER – RME SCENARIO

CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – INHALATION OF VOLATILES/PARTICULATES FROM SOIL

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Hypothetical Nonintrusive Worker: RME Scenario	Carcinogenic:
COPC Ambient Air Concentration due to volatile (organics) or particulate (inorganics) emissions from soil ($C_{air-VOC/Particulate}$)	chemical-specific $\mu g/m^3$	$Risk = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)(URF)}{(AT_c)(365 days/year)}$
Exposure Frequency (EF)	250 days/yr	
Exposure Duration (ED)	25 yrs	
Fraction of EF breathing air at site (ET) (8 hrs/24 hrs)	0.333 unitless	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	$HQ = \frac{(C_{air-VOC/Particulate})(EF)(ED)(ET)}{(RfC)(AT_{nc})(365 days/year)}$
Averaging Time, Noncarcinogens (AT_{nc})	25 yrs	
Inhalation Unit Risk Factor (URF)	chemical-specific $(\mu g/m^3)^{-1}$	where:
Inhalation Reference Concentration (RfC)	chemical-specific $\mu g/m^3$	$C_{air-VOC} = \frac{C_{soil}}{VF}$ for organics; and
Volitalization Factor (VF)	chemical-specific m^3/kg	
Particulate emission factor (PEF)	1.32E+09 m^3/kg	$C_{air-Particulate} = \frac{C_{soil}}{PEF}$ for inorganics

	CAS	Maximum Detected Concentration	Volitalization Factor	$C_{air-VOC/Particulate}$	URF	RfC	Cancer	% of	Hazard	% of
						Pathway Sums:	Cancer Risk 4.08E-06		Hazard Index 2.86E-01	

[a] COPC = chemical of potential concern after site-to-background comparison.

[b] CAS = Chemical Abstracts Service number.

[c] Maximum detected value in surface/subsurface soils.

[d] $\mu g/kg$ = micrograms per kilogram.

[e] m^3/kg = cubic meters per kilogram.

[f] $\mu g/m^3$ = micrograms per cubic meter

[g] - = data was unavailable.

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- TAXIWAY -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH GROUNDWATER
HZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions	
Receptor	Intrusive Worker (Taxiway): RME Scenario
COPC Absorbed Dose per Event (DA_{event})	chemical-specific mg/cm^2-event
Event Frequency (EV)	1 events/day
Exposure Frequency (EF)	20 days/yr
Fraction of EF in contact with groundwater (ET)	1 unitless
Exposure Duration (ED)	1 yrs
Exposed Body Surface Area (SA)	2080 cm^2
Averaging Time, Carcinogens (AT_c)	70 yrs
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific (mg/kg-day)$^{-1}$
Body Weight (BW)	70 kg
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific μg/m^3
where: $SF_d = SF_o/OAF$ and $RfD_d = RfD_{oral}*OAF$	
Gastrointestinal (oral) Absorption Fraction (OAF)	chemical-specific unitless

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)(SF_d)}{(BW)(AT_c)(365 days/year)}$$

Noncarcinogenic:

$$HQ = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$$

COPC [a]	CAS Number [b]	DA_{event} (mg/cm^2-event) [c]	SF_d (mg/kg-day)$^{-1}$ [d]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds								
1,1-Dichloroethene	75-35-4	1.04E-06	6.00E-01	9.00E-03	1.45E-08	1.2	1.88E-04	< 1%
1,2-Dichloroethane	107-06-2	2.98E-05	9.10E-02	3.00E-02	6.31E-08	5.3	1.62E-03	1.1
1,2-Dichloroethene, cis-	156-59-2	5.59E-05	-- [e]	1.00E-02			9.10E-03	6.4
1,2-Dichloroethene, trans-	156-60-5	1.91E-07	--	2.00E-02			1.55E-05	< 1%
1,2-Dichloropropane	78 87-5	5.31E-08	9.19E-02	8.14E-04	1.14E-10	< 1%	1.06E-04	< 1%
4-Methyl-2-Pentanone	108-10-1	5.56E-08	--	6.40E-02	--		1.41E-06	< 1%
Acetone	67-64-1	7.50E-07	--	8.30E-02	--		1.47E-05	< 1%
Benzene	71-43-2	6.30E-05	2.99E-02	2.91E-03	4.38E-08	3.7	3.52E-02	24.6
Carbon disulfide	75-15-0	1.40E-07	--	6.30E-02	--		3.61E-06	< 1%
Chloroethane	75-00-3	5.67E-08	3.63E-03	3.20E-01	4.78E-12	< 1%	2.89E-07	< 1%
Ethylbenzene	100-41-4	8.46E-05	--	9.70E-02	--		1.42E-03	< 1%
Toluene	108-88-3	2.41E-06	--	1.60E-01	--		2.46E-05	< 1%
Trichloroethene	79-01-6	1.21E-04	1.10E-02	6.00E-03	3.09E-08	2.6	3.27E-02	22.9
Vinyl chloride	75-1-4	1.93E-05	1.90E+00	--	8.54E-07	71.6	--	
Xylene, o-	95-47-6	1.11E-05	--	1.84E+00	--		9.86E-06	< 1%
Xylenes, m- & p-	1330-20-7	8.35E-05	--	1.84E+00	--		7.39E-05	< 1%
Xylenes, total	1330-20-7	9.75E-05	--	1.84E+00	--		8.62E-05	< 1%
Semi-Volatile Organic Compounds								
bis(2-Ethylhexyl)phthalate	117-81-7	1.07E-04	7.37E-02	3.80E-03	1.83E-07	15.3	4.57E-02	32.0
Carbazole	86-74-8	2.04E-06	4.00E-02	--	1.90E-09	< 1%	--	
Dibenzofuran	132-64-9	9.67E-07	--	2.00E-03	--		7.87E-04	< 1%
di-n-Octylphthalate	117-84-0	2.19E-05	--	1.00E-02	--		3.57E-03	2.5
Polynuclear Aromatic Hydrocarbons								
2-Methylnaphthalene	91-57-6	4.41E-05	--	1.60E-02	--		4.49E-03	3.1
Acenaphthene	83-32-9	3.21E-06	--	3.48E-02	--		1.50E-04	< 1%
Fluoranthene	206-44-0	1.04E-06	--	2.32E-02	--		7.32E-05	< 1%
Fluorene	86-73-7	2.10E-06	--	2.32E-02	--		1.47E-04	< 1%
Naphthalene	91-20-3	8.89E-06	--	1.60E-02	--		9.04E-04	< 1%
Phenanthrene	85-01-8	1.42E-06	--	--	--		--	
Metals								
Antimony	7440-36-0	2.28E-07	--	6.00E-05	--		6.19E-03	4.3
Arsenic	744-03-82	2.76E-08	1.58E+00	2.85E-04	1.01E-09	< 1%	1.58E-04	< 1%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- TAXIWAY – RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES – DERMAL CONTACT WITH GROUNDWATER
HZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		
Receptor	Intrusive Worker (Taxiway): RME Scenario	
COPC Absorbed Dose per Event (DA_{event})	chemical-specific	mg/cm^2-event
Event Frequency (EV)	1	events/day
Exposure Frequency (EF)	20	days/yr
Fraction of EF in contact with groundwater (ET)	1	unitless
Exposure Duration (ED)	1	yrs
Exposed Body Surface Area (SA)	2080	cm^2
Averaging Time, Carcinogens (AT_c)	70	yrs
Averaging Time, Noncarcinogens (AT_{nc})	1	yrs
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific	(mg/kg-day)$^{-1}$
Body Weight (BW)	70	kg
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific	µg/m^3
where: $SF_d = SF_o/OAF$ and $RfD_d = RfD_{oral}*OAF$		
Gastrointestinal (oral) Absorption Fraction (OAF)	chemical-specific	unitless

Risk and Hazard Equations

Carcinogenic:

$$Risk = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)(SF_d)}{(BW)(AT_c)(365days/year)}$$

Noncarcinogenic:

$$HQ = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)}{(RfD_d)(BW)(AT_{nc})(365days/year)}$$

COPC [a]	CAS Number [b]	DA_{event} (mg/cm^2-event) [c]	SF_d (mg/kg-day)$^{-1}$ [d]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Barium	7440-39-3	8.00E-07	--	4.90E-03	--		2.66E-04	< 1%
Cadmium	7440-43-9	9.04E-08	--	2.50E-05	--		5.89E-03	4 1
Copper	7440-50-8	2.76E-08	--	2.28E-02	--		1.97E-06	< 1%
Lead	7439-92-1	2.04E-09	--	--	--		--	
Manganese	7439 96-5	1 01E-05		3 00E 03			5.49E 03	3 8
Mercury	7439 97-6	3.08E-09	--	2 10E-05	--		2 39E 04	< 1%
Selenium	7782-49-2	3.92E-08	--	2.20E 03	--		2 90E 05	< 1%
Silver	7440-22-4	7.60E-08	--	9.00E 04	--		1.37E-04	< 1%
Thallium	7740-28-0	5.20E-08	--	7 00E-05	--		1.21E-03	< 1%
Zinc	7440-66-6	3.60E-08	--	6.00E-02	--		9.77E-07	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	1.19E-06	1.43E-01

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] mg/cm^2-event = milligram per square centimeter per event.
[d] mg/kg-day = milligram per kilogram per day.
[e] -- = toxicity data not available.

APPENDIX F

CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- HANGAR OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH GROUNDWATER
HZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar/Bldg.): RME Scenario	Carcinogenic:
COPC Absorbed Dose per Event (DA_{event})	chemical-specific mg/cm^2-event	$Risk = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)(SF_d)}{(BW)(AT_c)(365 days/year)}$
Event Frequency (EV)	1 events/day	
Exposure Frequency (EF)	90 days/yr	
Fraction of EF in contact with groundwater (ET)	1 unitless	
Exposure Duration (ED)	1 yrs	
Exposed Body Surface Area (SA)	2080 cm^2	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	$HQ = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific μg/m^3	
where: $SF_d = SF_o/OAF$ and $RfD_d = RfD_{oral}$*OAF		
Gastrointestinal (oral) Absorption Fraction (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	DA_{event} (mg/cm^2-event) [c]	SF_d (mg/kg-day)$^{-1}$ [d]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Volatile Organic Compounds								
1,1-Dichloroethene	75-35-4	1.04E-06	6.00E-01	9.00E-03	6.52E-08	1.2	8.46E-04	< 1%
1,2-Dichloroethane	107-06-2	2.98E-05	9.10E-02	3.00E-02	2.84E-07	5.3	7.29E-03	1.1
1,2-Dichloroethene, cis	156-59-2	5.59E-05	-- [e]	1.00E-02	--		4.09E-02	6.4
1,2-Dichloroethene, trans-	156-60-5	1.91E-07	--	2.00E-02	--		6.99E-05	< 1%
1,2-Dichloropropane	78-87-5	5.31E-08	9.19E-02	8.14E-04	5.11E-10	< 1%	4.78E-04	< 1%
4-Methyl-2-Pentanone	108-10-1	5.56E-08	--	6.40E-02	--		6.36E-06	< 1%
Acetone	67-64-1	7.50E-07	--	8.30E-02	--		6.62E-05	< 1%
Benzene	71-43-2	6.30E-05	2.99E-02	2.91E-03	1.97E-07	3.7	1.59E-01	24.6
Carbon disulfide	75-15-0	1.40E-07	--	6.30E-02	--		1.63E-05	< 1%
Chloroethane	75-00-3	5.67E-08	3.63E-03	3.20E-01	2.15E-11	< 1%	1.30E-06	< 1%
Ethylbenzene	100-41-4	8.46E-05	--	9.70E-02	--		6.39E-03	< 1%
Toluene	108-88-3	2.41E-06	--	1.60E-01	--		1.11E-04	< 1%
Trichloroethene	79-01-6	1.21E-04	1.10E-02	6.00E-03	1.39E-07	2.6	1.47E-01	22.9
Vinyl chloride	75-1-4	1.93E-05	1.90E+00	--	3.84E-06	71.6	--	
Xylene, o-	95-47-6	1.11E-05	--	1.84E+00	--		4.44E-05	< 1%
Xylenes, m- & p-	1330-20-7	8.35E-05	--	1.84E+00	--		3.33E-04	< 1%
Xylenes, total	1330-20-7	9.75E-05	--	1.84E+00	--		3.88E-04	< 1%
Semi-Volatile Organic Compounds								
bis(2-Ethylhexyl)phthalate	117-81-7	1.07E-04	7.37E-02	3.80E-03	8.23E-07	15.3	2.06E-01	32.0
Carbazole	86-74-8	2.04E-06	4.00E-02	--	8.56E-09	< 1%	--	
Dibenzofuran	132-64-9	9.67E-07	--	2.00E-03	--		3.54E-03	< 1%
di-n-Octylphthalate	117-84-0	2.19E-05	--	1.00E-02	--		1.61E-02	2.5
Polynuclear Aromatic Hydrocarbons								
2-Methylnaphthalene	91-57-6	4.41E-05	--	1.60E-02	--		2.02E-02	3.1
Acenaphthene	83-32-9	3.21E-06	--	3.48E-02	--		6.76E-04	< 1%
Fluoranthene	206-44-0	1.04E-06	--	2.32E-02	--		3.29E-04	< 1%
Fluorene	86-73-7	2.10E-06	--	2.32E-02	--		6.64E-04	< 1%
Naphthalene	91-20-3	8.89E-06	--	1.60E-02	--		4.07E-03	< 1%
Phenanthrene	85-01-8	1.42E-06	--	--	--		--	
Metals								
Antimony	7440-36-0	2.28E-07	--	6.00E-05	--		2.78E-02	4.3
Arsenic	744-03-82	2.76E-08	1.58E+00	2.85E-04	4.56E-09	< 1%	7.10E-04	< 1%

APPENDIX F
CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- HANGAR OR BLDG. -- RME SCENARIO
CARCINOGENIC AND NONCARCINOGENIC RISK ESTIMATES -- DERMAL CONTACT WITH GROUNDWATER
HZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Exposure Assumptions		Risk and Hazard Equations
Receptor	Intrusive Worker (Hangar/Bldg.): RME Scenario	Carcinogenic:
COPC Absorbed Dose per Event (DA_{event})	chemical-specific mg/cm^2-event	$Risk = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)(SF_d)}{(BW)(AT_c)(365 days/year)}$
Event Frequency (EV)	1 events/day	
Exposure Frequency (EF)	90 days/yr	
Fraction of EF in contact with groundwater (ET)	1 unitless	
Exposure Duration (ED)	1 yrs	
Exposed Body Surface Area (SA)	2080 cm^2	Noncarcinogenic:
Averaging Time, Carcinogens (AT_c)	70 yrs	
Averaging Time, Noncarcinogens (AT_{nc})	1 yrs	$HQ = \frac{(DA_{event})(EV)(EF)(ET)(ED)(SA)}{(RfD_d)(BW)(AT_{nc})(365 days/year)}$
Oral Slope Factor Adjusted for GI Absorption (SF_d)	chemical-specific (mg/kg-day)$^{-1}$	
Body Weight (BW)	70 kg	
Oral Reference Dose Adjusted for GI Absorption (RfD_d)	chemical-specific μg/m^3	
where: $SF_d = SF_o/OAF$ and $RfD_d = RfD_{oral}*OAF$		
Gastrointestinal (oral) Absorption Fraction (OAF)	chemical-specific unitless	

COPC [a]	CAS Number [b]	DA_{event} (mg/cm^2-event) [c]	SF_d (mg/kg-day)$^{-1}$ [d]	RfD_d (mg/kg-day)	Cancer Risk	% of Total	Hazard Quotient	% of Total
Barium	7440-39-3	8.00E-07	--	4.90E-03	--		1.20E-03	< 1%
Cadmium	7440-43-9	9.04E-08	--	2.50E-05	--		2.65E-02	4.1
Copper	7440-50-8	2.76E-08	--	2.28E-02	--		8.87E-06	< 1%
Lead	7439-92-1	2.04E-09	--	--	--		--	
Manganese	7439-96-5	1.01E-05	--	3.00E-03	--		2.47E-02	3.8
Mercury	7439-97-6	3.08E-09	--	2.10E-05	--		1.07E-03	< 1%
Selenium	7782-49-2	3.92E-08	--	2.20E-03	--		1.31E-04	< 1%
Silver	7440-22-4	7.60E-08	--	9.00E-04	--		6.19E-04	< 1%
Thallium	7740-28-0	5.20E-08	--	7.00E-05	--		5.44E-03	< 1%
Zinc	7440-66-6	3.60E-08	--	6.00E-02	--		4.40E-06	< 1%

	Cancer Risk	Hazard Index
Pathway Sums:	5.36E-06	6.44E-01

[a] COPC = chemical of potential concern after site-to-background comparison.
[b] CAS = Chemical Abstracts Service number.
[c] mg/cm^2-event = milligram per square centimeter per event.
[d] mg/kg-day = milligram per kilogram per day.
[e] -- = toxicity data not available.

APPENDIX F

ESTIMATING RME DOSE ABSORBED PER UNIT AREA PER EVENT (DA_{event}): GROUNDWATER

CURRENT/FUTURE ONSITE INTRUSIVE WORKER -- TAXIWAY

HAZARDOUS WASTE STORAGE AREA

RICKENBACKER ANGB, OHIO

Equations	Input Parameter Definition		Input Parameters
Organics:	t_{event}	Duration of event (hr/event) [a]	4
If $t_{event} < t^*$, then:	t^*	Time it takes to reach steady state (hr/event)	Chemical-specific
$DA_{event} = 2K_p C_w \sqrt{\frac{6\tau_{event}\, t_{event}}{\pi}}$	DA_{event}	Dose absorbed per unit area per event (mg/cm^2-event) [b]	Calculated
	K_p	Permeability coefficient from water (cm/hr) [c]	Chemical-specific
	C_w	Concentration of chemical in water (mg/cm^3) [d]	Measured
	τ_{event}	Lag time per event (hr/event)	Chemical-specific
If $t_{event} > t^*$, then:	B	Relative contribution of permeability coefficients in stratetum corneum and viable epidermis (unitless)	Chemical-specific
$DA_{event} = K_p C_w \left[\frac{t_{event}}{1+B} + 2\tau_{event}\left(\frac{1+3B+3B^2}{(1+B)^2}\right)\right]$			
Inorganics:			
$DA_{event} = K_p C_w t_{event}$			

COPC [e]	Type [f]	t*	K_p	C_w (µg/L) [g]	C_w (mg/cm^3) [h]	τ_{event}	B	DA_{event} (organics)	DA_{event} (inorganics)	DA_{event} (all)
Volatile Organic Compounds										
1,1-Dichloroethene	o	8.20E-01	1.60E-02	1.40E+01	1.40E-05	3.40E-01	1.30E-02	1.04E-06		1.04E-06
1,2-Dichloroethane	o	8.40E-01	5.30E-03	1.20E+03	1.20E-03	3.50E-01	3.00E-03	2.98E-05		2.98E-05
1,2-Dichloroethene, cis-	o	8.20E-01	1.00E-02	1.20E+03	1.20E-03	3.40E-01	7.23E-03	5.59E-05		5.59E-05
1,2-Dichloroethene, trans-	o	8.20E-01	1.00E-02	4.10E+00	4.10E-06	3.40E-01	7.20E-03	1.91E-07		1.91E-07
1,2-Dichloropropane	o	1.00E+00	1.00E-02	1.10E+00	1.10E-06	4.30E-01	1.00E-02	5.31E-08		5.31E-08
4 Methyl-2-Pentanone	o	2.10E-01	1.33E-02	1.00E+00	1.00E-06	8.75E-02	1.55E-03	5.56E-08		5.56E-08
Acetone	o	4.75E-01	5.69E-04	3.00E+02	3.00E-04	1.98E-01	5.75E-05	7.50E-07		7.50E-07
Benzene	o	6.30E-01	2.10E-02	6.70E+02	6.70E-04	2.60E-01	1.30E-02	6.30E-05		6.30E-05
Carbon disulfide	o	6.50E-01	2.40E-02	1.30E+00	1.30E-06	2.70E-01	1.70E-02	1.40E-07		1.40E-07
Chloroethane	o	5.20E-01	8.00E-03	1.60E+00	1.60E-06	2.20E-01	2.70E-03	5.67E-08		5.67E-08
Ethylbenzene	o	1.30E+00	7.40E-02	2.60E+02	2.60E-04	3.90E-01	1.40E-01	8.46E-05		8.46E-05
Toluene	o	7.70E-01	4.50E-02	1.20E+01	1.20E-05	3.20E-01	5.40E-02	2.41E-06		2.41E-06
Trichloroethene	o	1.30E+00	1.60E-02	1.50E+03	1.50E-03	5.50E-01	2.60E-02	1.21E-04		1.21E-04
Vinyl chloride	o	5.10E-01	7.30E-03	6.00E+02	6.00E-04	2.10E-01	2.30E-03	1.93E-05		1.93E-05
Xylene, o-	o	1.40E+00	8.00E-02	3.20E+01	3.20E-05	3.90E-01	1.60E-01	1.11E-05		1.11E-05
Xylenes, m- & p-	o	1.40E+00	8.00E-02	2.40E+02	2.40E-04	3.90E-01	1.60E-01	8.35E-05		8.35E-05
Xylenes, total	o	1.40E+00	8.00E-02	2.80E+02	2.80E-04	3.90E-01	1.60E-01	9.75E-05		9.75E-05
Semi-Volatile Organic Compounds										
bis(2-Ethylhexyl)phthalate	o	9.94E+01	1.91E-01	2.20E+01	2.20E-05	2.11E+01	2.00E+03	1.07E-04		1.07E-04
Carbazole	o	5.44E+00	6.44E-02	6.00E+00	6.00E-06	9.16E-01	3.89E-01	2.04E-06		2.04E-06
Dibenzofuran	o	6.32E+00	9.07E-02	2.00E+00	2.00E-06	9.29E-01	1.32E+00	9.67E-07		9.67E-07
di-n-Octylphthalate	o	9.94E+01	2.16E-01	4.00E+00	4.00E-06	2.11E+01	1.26E+04	2.19E-05		2.19E-05
Polynuclear Aromatic Hydrocarbons										
2-Methylnaphthalene	o	4.87E+00	1.42E-01	7.00E+01	7.00E-05	6.45E-01	7.24E-01	4.41E-05		4.41E-05
Acenaphthene	o	6.04E+00	1.33E-01	5.00E+00	5.00E-06	7.63E-01	8.32E-01	3.21E-06		3.21E-06
Fluoranthene	o	7.19E+00	1.54E-01	1.00E+00	1.00E-06	1.50E+00	1.32E+01	1.04E-06		1.04E-06
Fluorene	o	5.38E+00	1.00E-01	4.00E+00	4.00E-06	9.03E-01	1.62E+00	2.10E-06		2.10E-06
Naphthalene	o	2.20E+00	6.90E-02	2.80E+01	2.80E-05	5.30E-01	2.00E-01	8.89E-06		8.89E-06
Phenanthrene	o	5.43E+00	1.24E-01	2.00E+00	2.00E-06	1.07E+00	3.72E+00	1.42E-06		1.42E-06
Metals										
Antimony	i	-- [i]	1.00E-03	5.70E+01	5.70E-05	--	--		2.3E-07	2.28E-07
Arsenic	i	--	1.00E-03	6.90E+00	6.90E-06	--	--		2.8E-08	2.76E-08

COPC [c]	Type [f]	t*	K_p	C_w (µg/L) [g]	C_w (mg/cm^3) [h]	τ_{event}	B	DA_{event} (organics)	DA_{event} (inorganics)	DA_{event} (all)
Barium	i	--	1.00E-03	2.00E+02	2.00E-04	--	--		8.0E-07	8.00E-07
Cadmium	i	--	1.00E-03	2.26E+01	2.26E-05	--	--		9.0E-08	9.04E-08
Copper	i	--	1.00E-03	6.90E+00	6.90E-06	--	--		2.8E-08	2.76E-08
Lead	i	--	1.00E-04	5.10E+00	5.10E-06	--	--		2.0E-09	2.04E-09
Manganese	i	--	1.00E-03	2.53E+03	2.53E-03	--	--		1.0E-05	1.01E-05
Mercury	i	--	1.00E-03	7.70E-01	7.70E-07	--	--		3.1E-09	3.08E-09
Selenium	i	--	1.00E-03	9.80E+00	9.80E-06	--	--		3.9E-08	3.92E-08
Silver	i	--	1.00E-03	1.90E+01	1.90E-05	--	--		7.6E-08	7.60E-08
Thallium	i	--	1.00E-03	1.30E+01	1.30E-05	--	--		5.2E-08	5.20E-08
Zinc	i	--	6.00E-04	1.50E+01	1.50E-05	--	--		3.6E-08	3.60E-08

[a] hr/event = hours per event

[b] mg/cm^2-event = milligrams per square centimeter-event

[c] cm/hr = centimeters per hour

[d] mg/cm^3 = milligrams per cubic centimeter

[e] COPC = chemical of potential concern.

[f] "o" indicates an organic compound, "i" indicates an inorganic compound

[g] µg/L = micrograms per liter. Cw is the lesser of the 95th percent upper confidence limit (UCL) on the mean and the maximum detected value.

[h] mg/cm^3 = milligrams per cubic centimeter

[i] t*, τ_{event}, and B were not needed (i.e., DA_{event} is based on K_p, C_w and t_{event}).

APPENDIX F-2

TAXIWAY CONSTRUCTION DURATION CALCULATIONS (HAINES, 1997)

File
Jim K.

AIR FORCE BASE CONVERSION AGENCY (AFBCA/DA RICKENBACKER)
RICKENBACKER IAP
7556 S. PERIMETER RD.
COLUMBUS OH 43217-5910
FAX 614-492-8074

DATE: 2 Sept 97

TO: CRAIG SNYDER
OFFICE: Parsons E-S (Denver)
PHONE: 303-831-8100
FAX: 303-831-8208

2ND TRANSMISSION

TELEPHONE: (614) 492-8065

☐	TONY D. CLYMER, Site Manager	Ext. 10
☐	ELAINE PHIPPS, Secretary	Ext. 11
☐	ALAN C. FRIEDSTROM, Environmental Coordinator	Ext. 13
☐	JOEL B. SANDERS, Environmental Engineer	Ext. 15
☐	KAY SKIBO, Contract Specialist	Ext. 16
☐	DAVID C. EDWARDS, Engineering Technician	Ext. 17
☐	PAUL C. MACPHERSON, Realty Specialist	Ext. 12
☒	RICHARD P. HAINES, AFCEE Resident Officer	Ext. 20
☐	CHRIS SMITH, Base Transition Coordinator	Ext. 19

SUBJECT: CNST WORKER EXPOSURE TO SITE #1

WE ARE TRANSMITTING 4 PAGES INCLUDING THIS COVER SHEET.

NOTES: AL FRIEDSTROM ASKED ME TO DO THIS CALC + SEND (FAX) TO YOU.

DICK HAINES

PROBLEM: To determine the construction worker time exposure to cancer causing compounds occasioned by constructing a 75 ft wide taxiway (125' wide with two 25'shoilders) over IRP site #1.

FACTS AND ASSUMPTION

Portion of taxiway over IRP site #1: 350' x125' = 43750 SF = 4861 SY (see sketch)

Construction Activities: Clear/excavate area 350' x 125' 1' thick = 4861 SY
Cnst 12" conc pvmt with 15" subgrade = 2025.5 CY

Crew Sizes: Crew # B-11, to excavate for pavement (See Means 1995)= 11 men
Crew output per day = 1800 SY

Crew # B-26, to cnst concrete t/w (see means 1995) = 14 men
Crew output per day = 120 CY.

CALCULATION OF EXPOSURE:

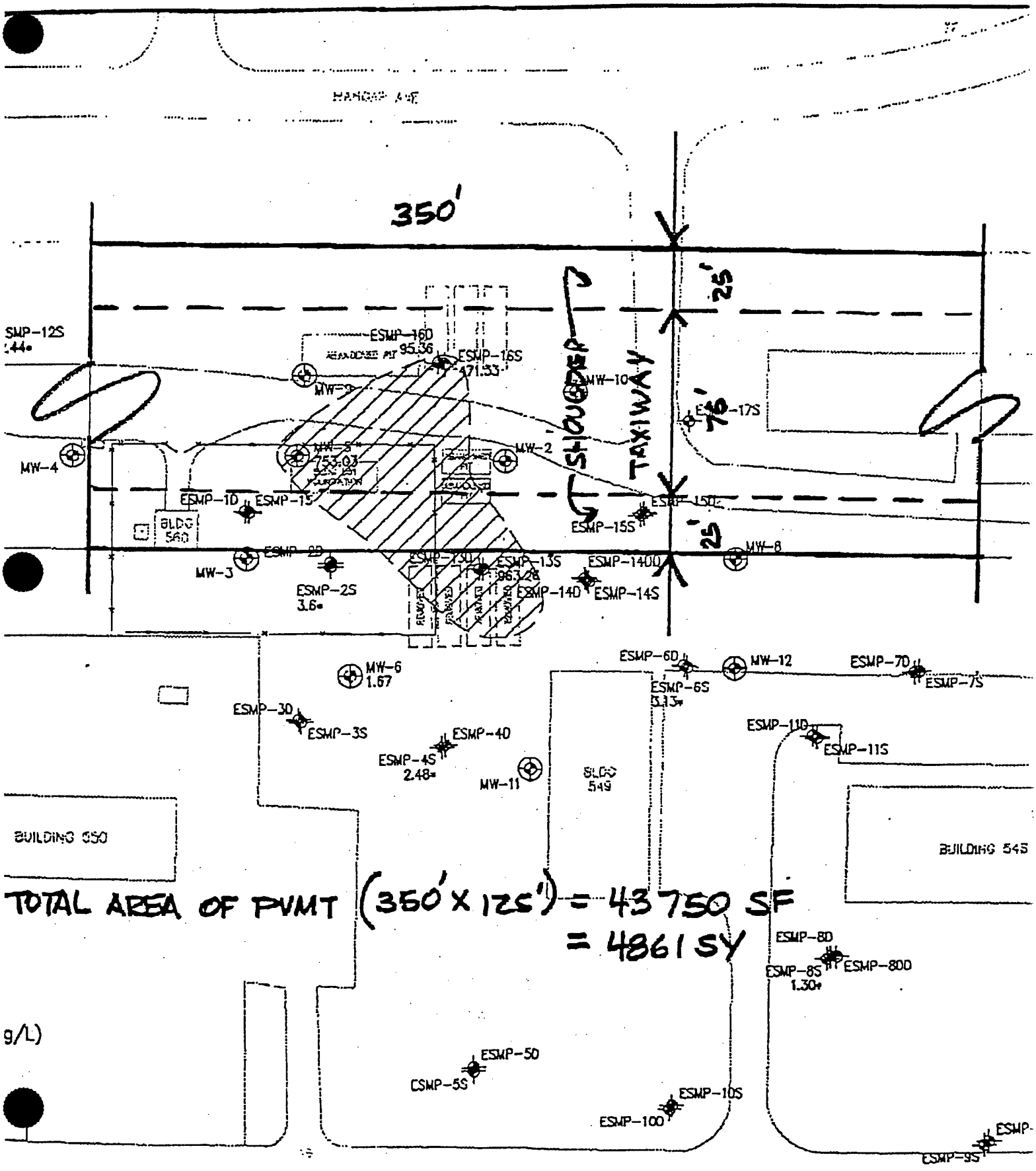
For excavation construction worker: 4861 SY/1800 SY = 2.7 days SAY 3 days

For conc pavement cnst worker: 2025.5 CY/120 CY day = 16.87 days SAY 17 DAYS

CONCLUSION: **LONGEST CONSTRUCTION WORKER EXPOSURE IS 17 DAYS**

R. P. HAINES
AFCEE Field Engr.

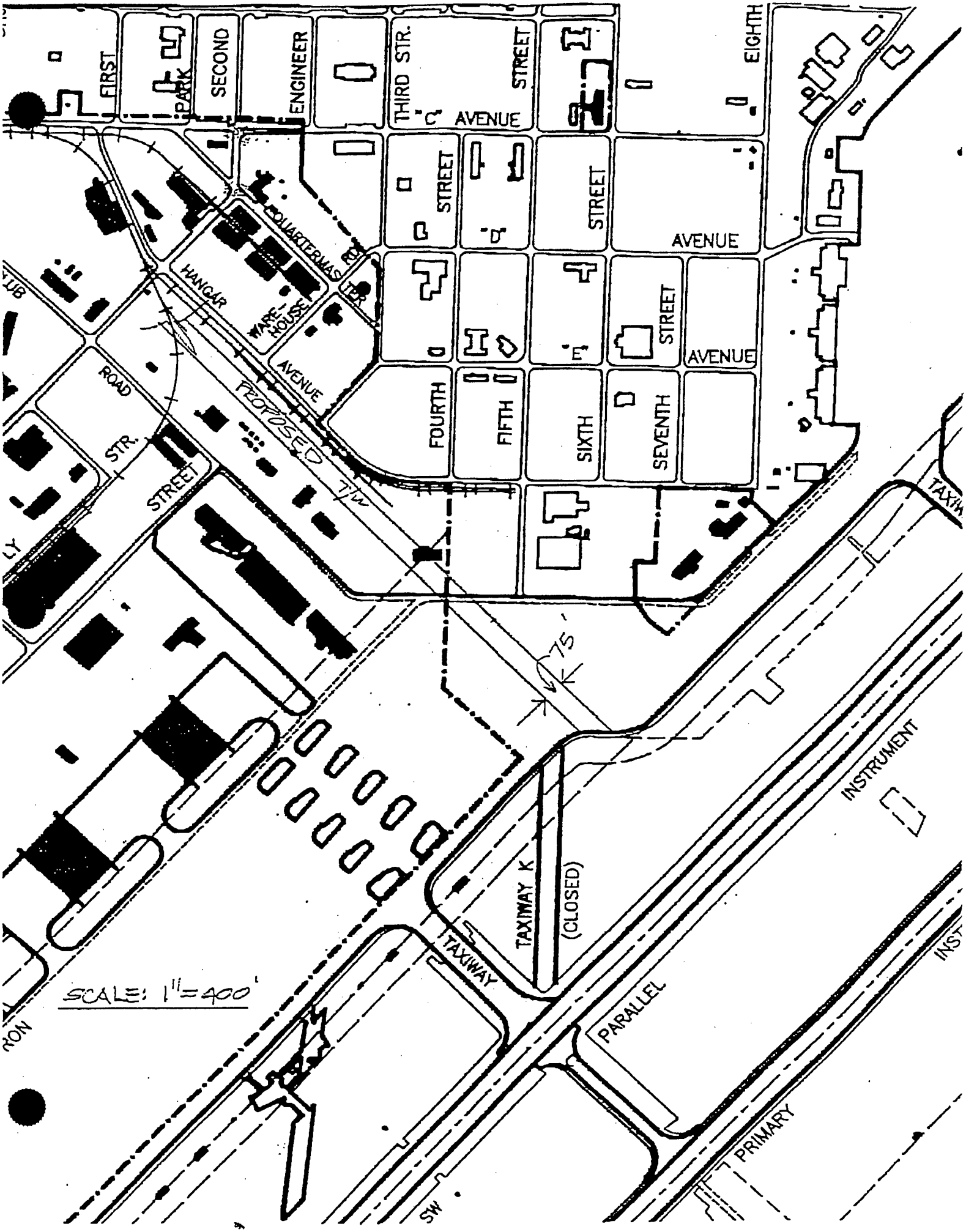
SKETCH: SHOWING PROPOSED RPA T/WY SHOULDERS SUPERIMPOSED OVER IRP SITE #1



TOTAL AREA OF PVMT (350' X 125') = 43750 SF
= 4861 SY

g/L)

SCALE: 1" = 50'


FIRST
PARK
SECOND
ENGINEER
THIRD STR.
STREET
EIGHTH
C AVENUE
STREET
STREET
AVENUE
D
QUARTERMAS
TER
HANGAR
WARE-HOUSE
E
STREET
AVENUE
AVENUE
ROAD
PROPOSED T/W
FOURTH
FIFTH
SIXTH
SEVENTH
STR.
STREET
75'
INSTRUMENT
TAXIWAY K
(CLOSED)
TAXIWAY
PARALLEL
PRIMARY
SCALE: 1"=400'

APPENDIX F-3

DERMAL EXPOSURE ASSESSMENT METHODS

F.3.1 ESTIMATION OF DERMAL EXPOSURES TO CONTAMINANTS IN WATER

The purpose of this section is to briefly describe the approach used to quantitatively estimate dermal exposure to contaminants in water. Dermal exposure to contaminants in water was estimated using the methodology and algorithms described in USEPA's (1992a) *Dermal Exposure Assessment: Principles and Applications* and from updated methodological approaches contained in the literature sources as cited.

F.3.1.1 Standard Equation for Dermal Contact with Contaminants in Water

The dermally absorbed dose resulting from contact with contaminants in water was calculated per USEPA (1992e) using the following algorithm.

$$DAD = \frac{(DA_{event})(EV)(ED)(EF)(EC)(SA)}{(BW)(AT)(365 days / year)}$$

where:

DAD = Dermally absorbed dose (mg/kg-day)

DA_{event} = Absorbed dose per event per area of skin exposed (mg/cm^2-event)

EV = Event frequency (events/day)

ED = Exposure duration (years)

EF = Exposure frequency (days/year)

EC = Fraction of exposure frequency in contact with water (unitless)

SA = Skin surface area available for contact (cm^2)

AT = Averaging time (years)

The absorbed dose per event per area of skin exposed (DA_{event}) was estimated for organics using the following updated equations from USEPA (1992e). The equations were updated to correct a typographical error in the USEPA (1992e document.

$$If\ t_{event} < t^*, then\ DA_{event} = 2(K_p)(C_w)\sqrt{\frac{6(\tau_{event})(t_{event})}{\pi}}$$

or

$$If\ t_{event} > t^*, then\ DA_{event} = (K_p)(C_w)\left[\frac{t_{event}}{1+B} + 2(\tau_{event})\left(\frac{1+3B+3B^2}{(1+B)^2}\right)\right]$$

where:

t_{event} = Event duration (hours/event)

t^* = Time to reach steady-state (hours)

DA_{event} = Absorbed dose per event per area of skin exposed (mg/cm^2-event)

K_p = Skin permeability constant for contaminants in water (cm/hour)

C_w = Contaminant concentration in water (mg/cm^3). Note: if water concentration units are μg/L, multiply by 10^{-6} to convert to mg/cm^3

B = Dimensionless ratio of the permeability of the stratum corneum relative to the permeability across the viable epidermis

τ_{event} = Lag time per event (hour/event)

Given the skin has limited capacity to retain inorganics, the lag time (τ_{event})is shortened and the viable epidermis will contribute insignificantly as a barrier. Consequently, it is appropriate to assume that τ_{event} and B are both nearly zero. Therefore, the following equation is used to estimate K_p for inorganics.

$$DA_{event} = (K_p)(C_w)(t_{event})$$

F.3.1.2 Exposure Parameters Used in Estimating Dermal Exposures to Contaminants in Water

A brief discussion of the K_p and surface area (SA) exposure parameters is presented in this section. Refer to USEPA (1992e) and the supporting tables in this Appendix for further information on all other parameters.

F.3.1.2.1 Skin Permeability Constant for Contaminants in Water (K_p)

Per USEPA (1992e), K_p for organics was estimated based on an empirical correlation as a function of the octanol/water partition coefficient (K_{ow}) and the molecular weight (MW) using the following equation.

$$K_p = 10^{(-2.72+0.71\log K_{ow}-0.0061MW)}$$

where:

K_p = Skin permeability constant for contaminants in water (cm/hour)

K_{ow} = Octanol/water partition coefficient

MW = Molecular weight

To determine the range of MW and log K_{ow} values where the above equation would be valid for extrapolation to other contaminants (given that the physico-chemical properties used in the K_p correlation (MW and log K_{ow}) are not completely independent of each other) the following "Effective Predictive Domain" has been derived (USEPA, 1998).

$-0.069 \leq 0.508 \times 10^{4}\ MW + 0.0565 \log K_{ow} \leq 0.559$, and;

$-0.301 \leq -0.508 \times 10^{4}\ MW + 0.0565 \log K_{ow} \leq 0.146$

Therefore, contaminants for which the above K_p correlation equation would not apply would be those with log $K_{ow} < -1$, MW < 60 and those with log $K_{ow} > 4$, MW > 150. The permeability coefficients of these two classes of chemicals (very low K_{ow} and very high K_{ow}) have been known not to correlate well (Leahy, 1990). Permeability coefficients for a list of known contaminants were derived in USEPA (1992e) without consideration of the effective predictive domain for the K_p correlation equation.

For highly nonpolar chemicals, Kasting and Robinson (1993) addressed the problem of high lipophilicity by proposing to use current understanding in the physiology of

dermal absorption to establish an upper limit on dermal permeability coefficients (termed $K_{p,max}$ hereafter). The concept of resistance in series as applied to the various skin layers as membrane barriers, assuming that the diffusion process is dominant in the stratum corneum, dermis, and viable epidermis, in addition to the finite capacity of the skin capillaries to clear chemicals from the dermis and the capillary blood flow rate was used by Kasting and Robinson (1993) in deriving the following equation.

$$K_{p,\max} = \left(\frac{1}{K_p} + \frac{1}{(K_{b/w})(q_b)} + \frac{1}{K_{p,ve}} \right)^{-1}$$

where:

$K_{p,max}$ = Maximum steady-state permeability coefficient (cm/hour)

K_p = Skin permeability constant for contaminants in water calculated as described above (cm/hour)

$K_{b/w}$ = Blood-to-water partition coefficient

q_b = Cutaneous blood flow rate per unit area of skin

$K_{p,ve}$ = Exposure frequency (days/year)

Kasting and Robinson (1993) assumed that $K_{p,ve}$ = 0.3 cm/hour, $K_{b/w}$ = 1, and q_b = 0.93 cm/hour (calculated as the ratio of the total capillary blood flow to skin, 16,700 cm^3/hour, for a 70 kg man with a skin surface area of 18,000 cm^2). Therefore, for those contaminants with log K_{ow} and MW outside the effective predictive domain, $K_{p,max}$ was used as an upper bound estimate of the permeability coefficient from water.

Permeability coefficients for inorganics were based on a review of empirical data and the values recommended in USEPA (1992e) were used in estimating dermal exposure to inorganics in water.

F.3.1.2.2 Skin Surface Area (SA)

The surface area parameter describes the amount of skin potentially exposed to the contaminated media and depends on the exposure scenario. It was assumed that an intrusive worker's hands, arms and head would not be covered by clothing, and could incidentally be exposed to contaminated groundwater. The exposed skin surface area for these body parts is 3,280 cm^2 (USEPA, 1997).

F.3.2 ESTIMATION OF DERMAL EXPOSURES TO CONTAMINANTS IN SOIL

The purpose of this section is to briefly describe the approach used to quantitatively estimate dermal exposure to contaminants in soil. Dermal exposure to contaminants in soil was estimated using the methodology and algorithms described in *Dermal Exposure Assessment: Principles and Applications* (USEPA, 1992e), *Exposure Factors Handbook, Volume I, General Factors* (USEPA, 1997), and from literature sources as cited.

F.3.2.1 Standard Equation for Dermal Contact with Contaminants in Soil

The dermally absorbed dose resulting from contact with contaminants in soil was calculated per USEPA (1992a) using the following algorithm.

$$DAD = \frac{(DA_{event})(EV)(ED)(EF)(EC)(SA)}{(BW)(AT)(365 days / year)}$$

where:

DAD = Dermally absorbed dose (mg/kg-day)

DA_{event} = Absorbed dose per event per area of skin exposed (mg/cm^2-event)

EV = Event frequency (events/day)

ED = Exposure duration (years)

EF = Exposure frequency (days/year)

EC = Fraction of exposure frequency in contact with soil (unitless)

SA = Skin surface area available for contact (cm^2)

AT = Averaging time (years)

DA_{event} (mg/cm²-event) for contaminants in soil was calculated using the following equation (USEPA, 1992e).

$$DA_{event} = (C_{soil})(AF)(DAF)(CF)$$

where:

DA_{event} = Absorbed dose per event per area of skin exposed (mg/cm²-day)

C_{soil} = Contaminant concentration in soil (mg/kg)

AF = Soil-to-skin adherence factor (mg/cm²-day)

DAF = Dermal absorption fraction (unitless)

CF = Conversion factor (10^{-6} kg/mg)

F.3.2.2 Exposure Parameters Used in Estimating Dermal Exposures to Contaminants in Soil

The USEPA (1997) recommended approach for deriving adherence factors (AFS) and SAs, along with currently available/default dermal absorption factors (DAFs), is discussed in the following sections.

F.3.2.2.1 Soil-to-Skin Adherence Factors

The soil-to-skin AF describes the amount of soil that adheres to the skin per unit of surface area. Recent data (Kissel *et al.*, 1996a; Kissel *et al.*, 1996b; Kissel *et al.*, 1998; and Holmes *et al.*, 1999) provide evidence to demonstrate that, 1) soil properties influence adherence, 2) soil adherence varies considerably across different parts of the body; and 3) soil adherence varies with activity.

Given these results, USEPA (1997) recommends that an activity which best represents all soils, body parts, and activities be selected. Body part-weighted AFs then can be calculated and used in estimating exposure via dermal contact with soil

based on assumed exposed body parts. Data on body part-specific AFs for specific activities is summarized in Table F.3.1 and were taken from *Exposure Factors Handbook* (USEPA, 1997), Table 6-12, and from Holmes, et. al (1999).

TABLE F.3.1
BODY PART-SPECIFIC SOIL ADHERENCE FACTORS (mg/cm²)

		Face		Forearms		Hands		Lower Legs		Feet	
Activity	N[a/]	GM[b/]	GSD[c/]	GM	GSD	GM	GSD	GM	GSD	GM	GSD
Table 6-11 of Exposure Factors Handbook (EPA, 1997b):											
Daycare Kids No. 1a	6	NA[d/]	NA	0.026	1.9	0.110	1.9	0.030	1.7	0.079	2.4
Daycare Kids No. 1b	6	NA	NA	0.031	1.8	0.150	2.1	0.023	1.2	0.130	1.4
Soccer No. 1 (teens)	8	0.012	1.5	0.011	2.0	0.110	1.8	0.031	3.8	NA	NA
Soccer No. 2 (adults)	8	0.016	1.5	0.004	2.2	0.035	3.9	0.014	5.3	NA	NA
Soccer No. 3 (adults)	7	0.012	1.6	0.003	2.2	0.019	1.5	0.008	1.6	NA	NA
Groundskeepers No. 2	5	0.010	2.0	0.002	2.6	0.098	2.1	0.001	1.5	NA	NA
Groundskeepers No. 3	7	0.004	2.6	0.002	1.9	0.030	2.3	0.001	1.8	0.004	NA
Groundskeepers No. 4	7	0.003	1.6	0.014	1.8	0.045	1.9	0.001	1.9	0.018	NA
Groundskeepers No. 5	8	0.004	2.1	0.022	2.8	0.032	1.7	0.001	1.4	NA	NA
Landscape/Rockery	4	0.006	1.9	0.030	2.1	0.072	2.1	NA	NA	NA	NA
Irrigation Installers	6	0.006	1.3	0.018	3.2	0.190	1.6	0.005	1.8	NA	NA
Gardeners No. 1	8	0.058	1.6	0.050	2.1	0.200	1.9	0.072	NA	0.170	NA
Gardeners No. 2	7	0.047	1.6	0.054	2.9	0.180	3.4	0.022	2.0	0.260	NA
Rugby No. 1	8	0.059	2.7	0.270	1.6	0.400	1.7	0.360	1.7	NA	NA
Rugby No. 2	8	0.046	1.4	0.110	1.6	0.140	1.4	0.150	1.6	NA	NA
Rugby No. 3	7	0.020	1.5	0.031	1.3	0.049	1.7	0.057	1.2	NA	NA
Archeologists	7	0.050	1.8	0.041	1.9	0.140	1.3	0.028	4.1	0.240	1.4
Construction Workers	8	0.029	1.6	0.098	1.5	0.240	1.5	0.066	1.4	NA	NA
Utility Workers No. 1	5	0.100	1.5	0.200	2.7	0.320	1.7	NA	NA	NA	NA
Utility Workers No. 2	6	0.100	1.5	0.300	1.8	0.270	2.1	NA	NA	NA	NA
Equip. Operators No. 1	4	0.100	1.4	0.089	1.6	0.260	2.5	NA	NA	NA	NA
Equip. Operators No. 2	4	0.230	1.7	0.270	1.4	0.320	1.6	NA	NA	NA	NA
Farmers No. 1	4	0.018	1.4	0.059	3.2	0.410	1.6	0.006	2.7	NA	NA
Farmers No. 2	6	0.041	3.0	0.130	2.2	0.470	1.4	0.037	3.9	NA	NA
Reed Gatherers	4	NA	NA	0.036	2.1	0.660	1.8	0.160	9.2	0.630	7.1
Kissel *et al.*, 1998:											
Groundskeepers No. 1	2	0.002	NA	0.005	NA	0.150	NA	NA	NA	0.018	NA
Children Playing (dry	5	0.004	2.8	0.013	4.2	0.097	2.4	0.042	3.5	NA	NA
Children Playing (wet	13	0.004	2.4	0.016	2.9	0.656	4.5	0.107	7.3	NA	NA

[a/] N = number of subjects
[b/] GM = geometric mean
[c/] GSD = geometric standard deviation
[d/] NA = not available

As shown in Table F.3.1, multiple activities with more than one group of subjects were studied. To use all data, overall 50th and 95th percentiles for each activity were calculated. This calculation involved combining data sets for activities with multiple subject groups (i.e., daycare kids, soccer players, groundskeepers, gardeners, rugby players, utility workers, equipment operators, and farmers) to estimate body part-specific AFs for each activity type. Data sets were combined and overall body part-specific 50th and 95th percentile AFs were calculated, as described in the next section, using the approach recommended by Paul Pinsky, Office of Research and Development, USEPA (see Table F.3.2 for calculations).

F.3.2.2.2 Combining AFs with Known Geometric Means and Standard Deviations

Assume that m adherence factor data sets need to be combined. Denote the sample sizes by N1, N2, ... Nm. Denote the geometric means by GM1, GM2, ... GMm and the geometric standard deviations by GSD1, GSD2, ... GSDm. Take the natural logarithms of the geometric means and geometric standard deviations and denote these as M1, M2, ... Mm and SD1, SD2, ... SDm, respectively. These (M1, SD1; M2, SD2; ... Mm, SDm) are then the mean of the log loadings and the standard deviations of the log loadings.

Calculate the overall mean (M) of the log loadings across data sets using the following equation.

$$Overall\ M = \frac{1}{N_m} \sum_{i=1}^{m} (Ni)x(Mi)$$

Calculate the overall geometric mean (GM) by raising "e" to the power of "overall M" (i.e., $e^{overall\ M}$). Note that the overall GM is the overall 50th percentile for the combined data sets.

The next step is to combine data sets to calculate an overall standard deviation (SD). The overall SD will be used in determining the 95th percentile for the combined data

Table F.3.2

Combining Body Part-Specific Soil Adherence Factor (mg/cm^2) Data Sets

		Faces					Forearms					Hands					Lower Legs					Feet				
	N[a]	GM[b]	GSD[c]	Overall GM	Overall GSD	Overall 95th %	GM	GSD	Overall GM	Overall GSD	Overall 95th %	GM	GSD	Overall GM	Overall GSD	Overall 95th %	GM	GSD	Overall GM	Overall GSD	Overall 95th %	GM	GSD	Overall GM	Overall GSD	Overall 95th %
Exposure Factors Handbook Data (USEPA, 1997b):																										
Daycare Kids No. 1a	6	NA[d]	NA				0.026	1.9				0.110	1.9				0.030	1.7				0.079	2.4			
Daycare Kids No. 1b	6	NA	NA				0.031	1.8	0.028	1.8	0.075	0.150	2.1	0.128	2.0	0.394	0.023	1.2	0.026	1.496	0.051	0.130	1.4	0.101	1.981	0.312
Soccer No. 1 (teens)	8	0.012	1.5			0.023	0.011	2.0			0.034	0.110	1.8			0.289	0.031	3.8			0.279	NA	NA			
Soccer No. 2 (adults)	8	0.016	1.5				0.004	2.2				0.035	3.9				0.014	5.3				NA	NA			
Soccer No. 3 (adults)	7	0.012	1.6	0.014	1.6	0.029	0.003	2.2	0.004	2.2	0.013	0.019	1.5	0.026	2.8	0.147	0.008	1.6	0.011	3.494	0.085	NA	NA			
Groundskeepers No. 2	5	0.010	2.0				0.002	2.6				0.098	2.1				0.001	1.5				NA	NA			
Groundskeepers No. 3	7	0.004	2.6				0.002	1.9				0.030	2.3				0.001	1.8				0.004	NA			
Groundskeepers No. 4	7	0.003	1.6				0.014	1.8				0.045	1.9				0.001	1.9				0.018	NA			
Groundskeepers No. 5	8	0.004	2.1	0.004	16.7	0.442	0.022	2.8	0.007	17.1	0.745	0.032	1.7	0.042	5.9	0.778	0.001	1.4	0.001	31.222	0.273	NA	NA			
Landscape/Rockery	4	0.006	1.9			0.016	0.030	2.1			0.102	0.072	2.1			0.244	NA	NA				NA	NA			
Irrigation Installers	6	0.006	1.3			0.010	0.018	3.2			0.122	0.190	1.6			0.412	0.005	1.8			0.014	NA	NA			
Gardeners No. 1	8	0.058	1.6				0.050	2.1				0.200	1.9				0.072	NA				0.170	NA			
Gardeners No. 2	7	0.047	1.6	0.053	1.6	0.113	0.054	2.9	0.052	2.4	0.218	0.180	3.4	0.190	2.5	0.868	0.022	2.0	0.041		0.069	0.260	NA	0.207		
Rugby No. 1	8	0.059	2.7				0.270	1.6				0.400	1.7				0.360	1.7				NA	NA			
Rugby No. 2	8	0.046	1.4				0.110	1.6				0.140	1.4				0.150	1.6				NA	NA			
Rugby No. 3	7	0.020	1.5	0.039	2.2	0.141	0.031	1.3	0.102	2.7	0.511	0.049	1.7	0.147	2.7	0.729	0.057	1.2	0.152	2.371	0.627	NA	NA			
Archeologists	7	0.050	1.8			0.131	0.041	1.9			0.118	0.140	1.3			0.216	0.028	4.1			0.285	0.240	1.4			0.417
Construction Workers	8	0.029	1.6			0.063	0.098	1.5			0.191	0.240	1.5			0.468	0.066	1.4			0.115	NA	NA			
Utility Workers No. 1	5	0.100	1.5				0.200	2.7				0.320	1.7				NA	NA				NA	NA			
Utility Workers No. 2	6	0.100	1.5	0.100	1.5	0.188	0.300	1.8	0.250	2.2	0.904	0.270	2.1	0.292	1.9	0.821	NA	NA				NA	NA			
Equip. Operators No. 1	4	0.100	1.4				0.089	1.6				0.260	2.5				NA	NA				NA	NA			
Equip. Operators No. 2	4	0.230	1.7	0.152	1.8	0.411	0.270	1.4	0.155	2.0	0.493	0.320	1.6	0.288	2.0	0.888	NA	NA				NA	NA			
Farmers No. 1	4	0.018	1.4				0.059	3.2				0.410	1.6				0.006	2.7				NA	NA			
Farmers No. 2	6	0.041	3.0	0.029	2.6	0.139	0.130	2.2	0.095	2.7	0.476	0.470	1.4	0.445	1.5	0.826	0.037	3.9	0.018	4.517	0.211	NA	NA			
Reed Gatherers	4	NA	NA				0.036	2.1			0.122	0.660	1.8			1.736	0.160	9.2			6.2	0.630	7.1			15.837
Groundskeepers No. 1	2	0.002	NA				0.005	NA				0.150	NA				NA	NA				0.018	NA			
Kissel *et al.*, 1998:																										
Children Playing (dry soil	5	0.004	2.8			0.022	0.013	4.2			0.135	0.097	2.4			0.413	0.042	3.5			0.329					
Children Playing (wet soil	13	0.004	2.4			0.017	0.016	2.9			0.091	0.656	4.5			7.851	0.107	7.3			2.8					

[a] N = number of subjects

[b] GM = geometric mean

[c] GSD = geometric standard deviation

[d] NA = not available

Ln Mean = Natural log of the geometric mean

Ln SD = Natural log of the geometeric SD

Overall Geometric Mean = Exp[(n1*LnMean1 + n2*LnMean2 + ...)/(n1 + n2 + ...)]

Sum(X**2) = (n1-1)*((LnSD1)^2) + n1((LnMean1)^2) + (n2-1)*((LnSD2)^2) + n2((LnMean2)^2) + ...

Overall Geometric SD = Exp{sqrt[[(sum(x**2) - ([(Ln(Overall Geometric Mean))*(n1 + n2 + ...)]^2)/(n1 + n2 + ...)]/(n1 + n2 + ... -1)]}

Overall 95% = Exp[Ln(Overal Mean) + 1.645*(Ln(Overall SD))]

Note: If there was only one group (i.e., no need to combine data sets), the overall geom means and overall geom SDs were equal to the geom means and SDs, respectively.

Note Also: The 95% of the Gardeners' lowerlegs was calculated using only Gardeners Group 2 because lowerleg SDs for Group 1 were not available.

sets. The first step in calculating the overall SD is to calculate the "SUM(X**2)" term (see Table F.3.2), using the following equation.

$$SUM(X**2) = \sum_{i=1}^{m} [(Ni - 1) x (SDi)^2] + [(Ni) x (Mi)^2]$$

Use the following equation to calculate the overall SD for the combined data sets of log loadings.

$$Overall\ SD = \sqrt{\frac{\left(SUM(X**2) - \frac{(M \times N)^2}{N}\right)}{(N - 1)}}$$

The overall geometric standard deviation (GSD) for the combined data sets can be calculated by raising "e" to the power of "overall SD" (i.e., $e^{\text{overall SD}}$). The 95th percentile for the log loadings is then calculated using the following equation.

$$95^{th}\ Percentile_{\text{log loadings}} = Overall\ M + 1.645 \times Overall\ SD$$

Finally, the 95th percentile for the soil adherence is calculated by raising "e" to the power of 95th $Percentile_{\text{log loadings}}$ (i.e., $e^{\text{95th Percentile of log loadings}}$).

The above calculations, performed for each activity type and body part, are documented in Table F.3.2. Following is a list of relevant notes about the calculations documented in Table F.3.2:

- For the activities that had only one group of subjects, the overall GM and overall SD simply equals the GM and SD for that group;
- Groundskeeper No. 1 group was not combined with the other groundskeeper groups, because with only two subjects, a standard deviation was not available;

- Daycare kids No. 2c and No. 3 listed in *Exposure Factors Handbook* (USEPA, 1997b), Table 6-11, were not included because they only played indoors; and

- The overall 95th percentile for the gardeners' lowerlegs was calculated, using only the gardeners group 2, because the standard deviation for lowerlegs AFs was not available for gardeners group 1.

F.3.2.2.3 Body Part-Specific Surface Areas

The SA parameter describes the amount of skin exposed to the contaminated media. The amount of skin exposed depends upon the exposure scenario. Clothing is expected to limit the extent of the exposed SA in cases of soil contact. All SA estimates used 50th percentile values to correlate with the average body weights used for all scenarios and pathways. This was done to prevent inconsistent parameter combinations as body weight and SA are dependent variables. Body part-specific SAs were calculated using the body part-specific SAs listed in USEPA (1997) for an adult intrusive worker assuming the head, hands, and forearms are exposed (see Table F.3.3).

Following is a list of relevant notes about the SA calculations documented in Table F.3.3:

- Adult SAs were taken from USEPA (1997b) Tables 6-2 (male) and 6-3 (female).

- Exposed SAs for the adult receptors were the average of the male and female (50th percentiles) and were calculated with the assumption that the female adult forearm SA was 45 percent of the arm SA.

TABLE F.3.3
Body Part-Specific Surface Area Calculations

CHILDREN

Fraction of Total SA (unitless)[1]

Age (y)	Head	Face*	Arms	Forearms[2]	Hands	Legs	Lower legs[2]	Feet
<1[4]	0.182	0.0607	0.137	0.0617	0.053	0.206	0.082	0.0654
1<2[4]	0.165	0.0550	0.13	0.0585	0.0568	0.231	0.092	0.0627
2<3	0.142	0.0473	0.118	0.0531	0.053	0.232	0.093	0.0707
3<4	0.136	0.0453	0.144	0.0648	0.0607	0.268	0.107	0.0721
4<5	0.138	0.0460	0.14	0.0630	0.057	0.278	0.111	0.0729
5<6[5]	0.131	0.0437	0.131	0.0590	0.0471	0.271	0.108	0.069
6<7	0.131	0.0437	0.131	0.0590	0.0471	0.271	0.108	0.069
7<8[5]	0.12	0.0400	0.123	0.0554	0.053	0.287	0.115	0.0758
8<9[5]	0.12	0.0400	0.123	0.0554	0.053	0.287	0.115	0.0758
9<10	0.12	0.0400	0.123	0.0554	0.053	0.287	0.115	0.0758
10<11[5]	0.0874	0.0291	0.137	0.0617	0.0539	0.305	0.122	0.0703
11<12[5]	0.0874	0.0291	0.137	0.0617	0.0539	0.305	0.122	0.0703
12<13	0.0874	0.0291	0.137	0.0617	0.0539	0.305	0.122	0.0703
13<14	0.0997	0.0332	0.121	0.0545	0.0511	0.32	0.128	0.0802
14<15[5]	0.0796	0.0265	0.131	0.0590	0.0568	0.336	0.134	0.0693
15<16[5]	0.0796	0.0265	0.131	0.0590	0.0568	0.336	0.134	0.0693
16<17	0.0796	0.0265	0.131	0.0590	0.0568	0.336	0.134	0.0693
17<18	0.0758	0.0253	0.175	0.0788	0.0513	0.308	0.123	0.0728
Fraction of Total SA: Age-Weighted Body Part-Specific Average								
<1 to <6	0.149	0.050	0.133	0.060	0.055	0.248	0.099	0.069
<7 to <18	0.097	0.032	0.133	0.060	0.053	0.307	0.123	0.072

Surface Area by Body Part (cm^2)[6]

	Head	Face	Arms	Forearms	Hands	Legs	Lower legs	Feet
<1 to <6	**977**	**326**	**874**	**393**	**358**	**1624**	**650**	**451**
<7 to <18	**1276**	**425**	**1749**	**787**	**700**	**4026**	**1610**	**949**

CHILDREN

Total Body SA (m^2·50th %tile)[3]

Age (y)	Male Child	Female Child
<1[4]	0.603	0.579
1<2[4]	0.603	0.579
2<3	0.603	0.579
3<4	0.664	0.649
4<5	0.731	0.706
5<6[5]	0.793	0.779
6<7	0.866	0.843
7<8[5]	0.936	0.917
8<9[5]	1	1
9<10	1.07	1.06
10<11[5]	1.18	1.17
11<12[5]	1.23	1.3
12<13	1.34	1.4
13<14	1.47	1.48
14<15[5]	1.61	1.55
15<16[5]	1.7	1.57
16<17	1.76	1.6
17<18	1.8	1.63
Total SA (<1to<6yr):	0.666	0.645
Total SA (<7to<18yr):	1.330	1.293

Total avg SA for male/female (m^2)
0.656
1.312

ADULT

Surface Area of Adults (cm^2 & 50th %tile)[a]

Body Part	Male	Female	Average
Total	19400	16900	**18150**
Head	1300	1110	**1205**
Face[b]	433	370	**402**
Forearms[c]	1310	1035	**1173**
Hands	990	817	**904**
Lower leg	2560	2180	**2370**
Feet	1310	1140	**1225**

[a] Taken from Exposure Factors Handbook (USEPA, 1997b) Table 6-2 (male) and Table 6-3 (female), p. 6 13.

[b] Face SA assumed to be 1/3 of head SA (Kissel *et al.*, 1996b.

[c] Assumed forearm-to-arm ratio (0.45) equivalent to that of an adult male.

* Face SA assumed to be 1/3 of head SA (see Kissel *et al.*, 1996b).

[1] Taken from Exposure Factors Handbook (USEPA, 1997b) Table 6-8, p. 6-16 (mean values).

[2] Assumed forearm-to-arm ratio (0.45) and lowerleg-to-leg ratio (0.4) equivalent to that of an adult.

[3] Taken from Exposure Factors Handbook (USEPA, 1997b) Table 6-6 (male) and Table 6-7 (female) on p. 6-15.

[4] Due to lack of data for the indicated ages, assumed <1 & 1<2 yr olds had the same total body surface area (SA) as 2<3 yr olds.

[5] Due to lack of data for the indicated ages, assumed the body-part-specific fraction of total SA was equal to next oldest age that had data.

F.3.2.2.4 Calculation of Overall Weighted Soil Adherence Factors

Given that soil adherence depends upon the body part, an overall body part-weighted AF must be calculated for each activity. The assumed clothing scenario determines which body part-specific AFs are used in calculating the 50th and 95th percentile weighted AFs. The weighted AFs are used with the relative absorption, exposure frequency and duration, exposed surface area, body weight, and averaging time to estimate the dermal absorbed dose.

The following general equation was used to calculate weighted AFs for particular activities.

$$Weighted\ AF = \frac{(AF_1)(SA_1)+(AF_2)(SA_2)+\ldots+(AF_i)(SA_i)}{SA_1+SA_2+\ldots+SA_i}$$

where:

Weighted AF = Overall body part-specific weighted soil AF (mg/cm^2)

AF_i = AF for body part "i"

SA_i = SA for body part "i"

Activity-specific weighted AF calculations are shown in Table F.3.4. Default weighted AFs were determined based on the exposed body parts (head, hands, and forearms).

F.3.2.2.5 Weighted Soil Adherence Factors used in the HBRA

This section provides justification for the soil AFs used in the HBRA. EPA suggests selecting an activity from AF data which best represents the exposure scenario of concern and using the corresponding weighted AF in the dermal exposure calculations (USEPA, 1997). To make this selection, activities with available AFs were categorized as those that a typical commercial/industrial adult worker would be likely to engage in (see Table F.3.4). Within each receptor category, activities were ranked in order from the activity with the lowest to highest weighted AF (50th percentile). The 50th percentile weighted AF was used in ranking the activities from those with the

Table F.3.4 Overall Body Part-Specific Weighted Soil Adherence Factor Calculations

		Overall Soil Adherence Factors (mg/cm^2)							
		Face		Forearms		Hands		Weighted AFs (mg/cm^2)	
	Age (yr)	50th %	95th %	50th %	95th %	50th %	95th %	50th %	95th %
NONINTRUSIVE ADULT WORKERS									
Groundskeepers	>18	0.004	0.442	0.007	0.745	0.042	0.778	**0.02**	**0.7**
Landscape/Rockery	>18	0.006	0.016	0.030	0.102	0.072	0.244	**0.04**	**0.1**
Irrigation Installers	>18	0.006	0.010	0.018	0.122	0.190	0.412	**0.1**	**0.2**
Gardeners	>16	0.053	0.113	0.052	0.218	0.190	0.868	**0.1**	**0.4**
INTRUSIVE ADULT WORKERS									
Groundskeepers	>18	0.004	0.442	0.007	0.745	0.042	0.778	**0.02**	**0.7**
Landscape/Rockery	>18	0.006	0.016	0.030	0.102	0.072	0.244	**0.04**	**0.1**
Irrigation Installers	>18	0.006	0.010	0.018	0.122	0.190	0.412	**0.1**	**0.2**
Gardeners	>16	0.053	0.113	0.052	0.218	0.190	0.868	**0.1**	**0.4**
Construction Workers	>18	0.029	0.063	0.098	0.191	0.240	0.468	**0.1**	**0.3**
Equip. Operators	>18	0.152	0.411	0.155	0.493	0.288	0.888	**0.2**	**0.6**
Utility Workers	>18	0.100	0.188	0.250	0.904	0.292	0.821	**0.2**	**0.8**

Note: AFs weighted based on body parts with actual AF data

Surface Area by Body Part (cm^2)	Face	Forearms	Hands	Lower legs	Feet
>18	402	1173	904	2370	1225

Note: adult worker AF based on exposure to face, forearms, & hands

lowest to highest weighted AFs, because the 50th percentile is a more stable estimation of the true AF (i.e., it is not affected as significantly by outliers as the 95th percentile).

Typically with other contact rates (e.g., soil ingestion), the recommended default value is a conservative, health protective value. To maintain consistency with this approach (i.e. recommending a high-end of a mean), two options exist when recommending default weighted AFs: (1) select a central tendency (CT) (i.e., typical) soil contact activity and use the high-end weighted AF (i.e., 95th percentile) for that activity; or (2) select a high-end (i.e., reasonable but higher exposure) soil contact activity and use the CT weighted AF (i.e., 50th percentile) for that activity. It is not recommended that a high-end soil contact activity be used with a high-end weighted AF for that activity, as this use would not be consistent with the use of a reasonable maximum exposure (RME) scenario.

Adult Nonintrusive Worker. Because there were data available for a wide variety of activities that adult nonintrusive workers may engage in, a high-end soil contact activity (e.g., gardening) was selected and the weighted AF (50th percentile) was derived for that activity. In so doing, the recommended weighted AF for an RME adult nonintrusive worker is 0.1 mg/cm^2 and is based on the 50th percentile weighted AF for gardeners (the activity determined to represent a reasonable, high-end activity). The basis for this recommendation is as follows: (1) although no single activity would represent the activities adult nonintrusive workers engage in, a comparison of the gardener 50th percentile weighted AF with the other nonintrusive-type activities (Table F.3.4) shows that the gardener represents a high-end soil contact activity; (2) common sense suggests that gardening represents a high-end soil contact activity, whereas, determining which of the other activities (i.e., grounds keeping and landscaping/rockery) would represent a reasonable, central tendency (i.e., typical) soil contact activity would be difficult; and (3) selecting the central tendency weighted AF (i.e., 50th percentile) of a high-end soil contact activity is consistent with an RME for contact rates.

Adult Intrusive Worker. Because there were data available for a wide variety of activities that an adult intrusive worker may engage in, a high-end soil contact activity was selected (e.g., utility work) and the weighted AF (50^{th} percentile) was derived for that activity. In so doing, the recommended weighted AF for an RME adult intrusive worker is 0.2 mg/cm^2 and is based on the 50^{th} percentile weighted AF for utility workers (the activity determined to represent a high-end contact activity). The bases for this recommendation are as follows: (1) although no single activity would be representative of activities an adult intrusive worker engages in, a comparison of the utility worker 50^{th} percentile weighted AF with other commercial/industrial-type activities (Table F.3.4) shows that the utility worker represents a high-end soil contact activity (i.e., grounds keepers, landscaper/rockery, irrigation installers, gardeners, construction workers); (2) a combination of common sense and data on the weighted AFs supports the assumption that utility worker activities represent a high-end soil contact activity, whereas, determining which of the other measured activities might represent a reasonable, CT (i.e., typical) soil contact activity would be difficult; and (3) selecting the CT-weighted AF (i.e., 50^{th} percentile) of a high-end soil contact activity is consistent with a RME for contact rates.

APPENDIX G

SAMPLING AND ANALYSIS PLAN

APPENDIX G

SAMPLING PLAN AND ANALYTICAL PROCEDURES

This sampling and analytical plan has been developed to establish a general protocol for compliance quarterly groundwater sampling at the former Hazardous Waste Storage Area (HWSA) at Rickenbacker Air National Guard Base, Columbus, Ohio, in support of site closure. Section G.1 discusses groundwater sample collection procedures that will be used in all quarterly sampling events. Section G.2 outlines sampling handling procedures. Section G.3 discusses quality assurance/quality control (QA/QC) sample collection and potential interferences. Section G.4 presents procedures for calibrating field equipment. Section G.5 briefly describes a methodology for determining contaminant migration rates.

All field sampling activities will be recorded in a bound, sequentially paginated field notebook in permanent ink. All sample collection entries will include the date, time, sample locations and numbers, notations of field observations, and the sampler's name and signature.

G.1 GROUNDWATER SAMPLING

The following sections describe the scope of work required for collecting quarterly groundwater samples during closure activities. During closure activities, quarterly groundwater samples will be collected at the 20 monitoring wells shown on Figure 6.1. Following the installation of 2 additional monitoring wells (Section 6.3.1), confirmatory/compliance groundwater sampling will be performed for eight consecutive quarters. All water samples collected from groundwater monitoring wells/ points will be obtained using a thoroughly decontaminated peristaltic pump and dedicated tubing.

Groundwater sampling will be conducted by qualified scientists and technicians trained in the conduct of well sampling, records documentation, and chain-of-custody procedures. Detailed groundwater sampling and sample handling procedures are presented in following sections.

Groundwater laboratory and field analytical protocols are shown in Table G.1. Requirements for sample containers, volumes, holding times, and preservation techniques are shown in Table G.2 and method detection limits (MDLs) for groundwater contaminant analysis are presented in Table G.3.

TABLE G.1
LABORATORY AND FIELD ANALYTICAL PROTOCOL FOR GROUNDWATER SAMPLES
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

MATRIX/ANALYSIS	METHOD/REFERENCE
LABORATORY ANALYSIS	
Inorganics	
Antimony	SW6010A-Trace
Arsenic	SW6010A-Trace
Cadmium	SW6010A-Trace
Manganese	SW6010A-Trace
Thallium	SW6010A-Trace
Organics	
Aromatic and Chlorinated Hydrocarbons	SW8260A
Geochemical Indicators	
Sulfate	E300 or SW9056
Nitrate	E300 or SW9056
Nitrite	E300 or SW9056
Chloride	E300 or SW9056
Methane, Ethane, and Ethene	RSKSOP175, or SW3810, modified
FIELD ANALYSIS	
Ferrous Iron (Fe+2)	Colorimetric, Hach Method 8146
Manganese	Colorimetric, Hach Method 8034
Sulfide	Colorimetric, Hach Method 8131
Redox Potential	A2580B, direct reading meter
Oxygen	Direct reading meter
pH	SW9040/9045, direct reading meter
Conductivity	SW9050, direct reading meter
Temperature	Direct reading meter

TABLE G.2
REQUIREMENTS FOR CONTAINERS, PRESERVATION TECHNIQUES, SAMPLE VOLUMES, AND HOLDING TIMES
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Parameter	Analytical Methods	Container[a/]	Preservation	Minimum Sample Volume or Weight	Maximum Holding Time
Inorganics	SW6010A-Trace	P,G	4°C[b/], HNO_3[c/] to pH<2	500 mL[d/] or 8 ounces	180 days
Aromatic and Chlorinated Hydrocarbons	SW8260A	G, Teflon-lined septum,	4°C, 0.008% $Na_2S_2O_3$[e/] (HCl[f/] to pH < 2 for volatile aromatics by SW8260)	2 x 40 mL or 4 ounces	14 days; 7 days if unpreserved by acid
Common Anions	SW9056	P, G	None required	50 mL	28 days for Cl^-[g/] and SO_4^{-2}[h/]; 48 hours for NO_3^-[i/] and NO_2^-[j/]
Methane, Ethane, and Ethene	SW3810, modified	G, Teflon-lined cap	4°C	3 x 40 mL	14 days

[a/] Polyethylene (P); glass (G).
[b/] °C = degrees celsius.
[c/] HNO_3 = nitric acid.
[d/] mL = milliliter.
[e/] Preservation with 0.008 percent sodium thiosulfate ($Na_2S_2O_3$) only required when residual chlorine is present.
[f/] Hcl = Hydrochloric acid.
[g/] Cl = Chloride
[h/] SO_4 = Sulfate
[i/] NO_3 = Nitrate
[j/] NO_2 = Nitrite

TABLE G.3
METHOD DETECTION LIMITS FOR GROUNDWATER
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Parameter/Method	Analyte	Water	
		MDL[a/]	Unit
Inorganics SW6010A by Trace Instrumentation (as appropriate)	Antimony	0.040	mg/L[b/]
	Arsenic	0.005	mg/L
	Cadmium	0.005	mg/L
	Manganese	0.002	mg/L
	Thallium	0.005	mg/L
Volatile Organics SW8260A	1,1,1,2-Tetrachloroethane	0.24	µg/L[c/]
	1,1,1-Trichloroethane	0.53	µg/L
	1,1,2,2-Tetrachloroethane	0.59	µg/L
	1,1,2-Trichloroethane	0.40	µg/L
	1,1-Dichloroethane	0.42	µg/L
	1,1-Dichloroethene	0.42	µg/L
	1,1-Dichloropropene	0.98	µg/L
	1,2,3-Trichlorobenzene	0.77	µg/L
	1,2,3-Trichloropropane	0.35	µg/L
	1,2,4-Trichlorobenzene	0.47	µg/L
	1,2,4-Trimethylbenzene	0.49	µg/L
	1,2-Dichloroethane	0.50	µg/L
	1,2-Dichlorobenzene	0.23	µg/L
	1,2-Dibromo-3-Chloropropane	2.9	µg/L
	1,2-Dichloropropane	0.38	µg/L
	1,2-Dibromoethane	0.45	µg/L
	1,3,5-Trimethylbenzene	0.32	µg/L
	1,3-Dichlorobenzene	0.49	µg/L
	1,3-Dichloropropane	0.59	µg/L
	1,4-Dichlorobenzene	0.38	µg/L
	1-Chlorohexane	0.5[f/]	µg/L
	2,2-Dichloropropane	0.67	µg/L

TABLE G.3 (Continued)
METHOD DETECTION LIMITS FOR GROUNDWATER
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Parameter/Method	Analyte	Water	
		MDL[a/]	Unit
Volatile Organics (Cont)	2-Chlorotoluene	0.23	µg/L
SW8260A	4-Chlorotoluene	0.26	µg/L
	Benzene	0.38	µg/L
	Bromobenzene	0.33	µg/L
	Bromochloromethane	0.33	µg/L
	Bromodichloromethane	0.37	µg/L
	Bromoform	0.49	µg/L
	Bromomethane	2.5	µg/L
	Carbon Tetrachloride	0.46	µg/L
	Chlorobenzene	0.23	µg/L
	Chloroethane	0.70	µg/L
	Chloroform	0.45	µg/L
	Chloromethane	0.86	µg/L
	Cis-1,2-Dichloroethene	0.44	µg/L
	Cis-1,3-Dichloropropene	0.49	µg/L
	Dibromochloromethane	0.23	µg/L
	Dibromomethane	0.29	µg/L
	Dichlorodifluoromethane	0.60	µg/L
	Ethylbenzene	0.45	µg/L
	Hexachlorobutadiene	0.32	µg/L
	Isopropylbenzene	0.39	µg/L
	m-Xylene	0.90	µg/L
	Methylene Chloride	0.94	µg/L
	n-Butylbenzene	0.38	µg/L
	n-Propylbenzene	0.41	µg/L
	Naphthalene	3.4	µg/L
	o-Xylene	0.47	µg/L
	p-Isopropyltoluene	0.55	µg/L
	p-Xylene	0.90	µg/L
	Sec-Butylbenzene	0.58	µg/L
	Styrene	0.50	µg/L

TABLE G.3 (Continued)
METHOD DETECTION LIMITS FOR GROUNDWATER
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Parameter/Method	Analyte	Water	
		MDL[a/]	Unit
Volatile Organics (Cont)	Tricholoroethene	0.42	µg/L
SW8260A	Tert-Butylbenzene	0.42	µg/L
	Tetrachloroethylene	0.52	µg/L
	Toluene	0.34	µg/L
	Trans-1,2-Dichloroethene	0.44	µg/L
	Trans-1,3-Dichloropropene	0.28	µg/L
	Trichlorofluoromethane	0.57	µg/L
	Vinyl Chloride	0.44	µg/L
Methane	Methane	2.43	µg/L
SW3810 Modified	Ethane	1.61	µg/L
	Ethene	0.901	µg/L
Common Anions	Chloride	0.011	mg/L
SW9056	Nitrate	0.035	mg/L
	Nitrite	0.035	mg/L
	Sulfate	0.028	mg/L

SOURCE: Pace Analytical, Minneapolis, Minnesota.

[a/] MDLs = laboratory method detection limits.
[b/] mg/L = milligrams per liter.
[c/] µg/L = micrograms per liter.

G.1.1 Preparation For Sampling

All equipment to be used for sampling will be assembled and properly cleaned prior to the beginning of all sampling events. As required, field analytical equipment will be calibrated according to the manufacturer's specifications prior to field use. This applies to equipment used for onsite chemical measurements such as pH, electrical conductivity, and temperature.

In addition, all record keeping materials will be gathered prior to leaving the office. A brief organizational meeting will be held to ensure proper communication between project management staff and field personnel.

G.1.2 Equipment Decontamination

All portions of sampling and test equipment that will contact the sample will be thoroughly cleaned before each use. This equipment may include water-level probe and cable, oil/water interface probe and cable, test equipment for onsite use, and other equipment or portions thereof that will contact the samples. Based on the chemical constituents present at the site, the following decontamination protocol will be used:

- Clean with potable water and phosphate-free laboratory detergent (Liquinox® or equivalent);
- Rinse with potable water;
- Rinse with distilled or deionized water;
- Rinse with reagent-grade isopropanol;
- Rinse with distilled or deionized water; and
- Air dry the equipment prior to use.

Water used to decontaminate sampling equipment will be stored at the site in a tank appropriate for this use. When all decontamination water has been collected, or when the tank is full, a composite sample will be taken from the tank by collecting samples at 1-foot horizontal intervals. The samples will be analyzed to determine whether it can be discharged to the Columbus sewer district system or must be transported off-site for treatment at a facility permitted to treat the constituents found. The analyses performed will be determined by the requirements of the Columbus sewer district or the off-site treatment facility and by the constituents expected in the used decontamination water.

Any deviations from these procedures will be documented in the field scientist's field notebook and on the groundwater sampling form. If pre-cleaned dedicated sampling equipment is used, the decontamination protocol specified above will not be required. Laboratory-supplied sample containers will be cleaned and sealed by the laboratory and therefore will not need to be cleaned in the field. Equipment field blanks and equipment

rinseate samples will be collected to assure that all containers and field equipment are free of contamination.

G.1.3 Sampling Procedures

Special care will be taken to prevent contamination of the groundwater and extracted samples. The two primary ways in which sample contamination can occur are through contact with improperly cleaned equipment and by cross-contamination through insufficient decontamination of equipment between wells/points. To prevent such contamination, the peristaltic pump and water level probe and cable used to determine static water levels and total well depth will be thoroughly cleaned before and after field use and between uses at different sampling locations according to the procedures presented in Section G.1.2 In addition to the use of properly cleaned equipment, a clean pair of new, disposable nitrile gloves will be worn each time a different well or station is sampled. New, clean tubing will be used for the peristaltic pump for each well sampled. Wells will be sampled sequentially from areas suspected to be least contaminated to areas suspected to be more contaminated. Plastic will be placed around each of the wells to be sampled and sampling equipment will not be allowed to come in contact with the ground surface at any time during the sampling event.

The following sections describe activities that comprise groundwater sample acquisition, and will be performed in the order as presented below. Exceptions to this procedure will be noted in the field scientist's field notebook.

G.1.4 Preparation Of Location

Prior to starting the sampling procedure, the area around the well or sampling location will be cleared of foreign materials, such as brush, rocks, and debris. These procedures will prevent sampling equipment from inadvertently contacting debris around the monitoring well. New, clean plastic (4 to 6 mil) we be placed around the well to prevent the contamination of both the ground surface and any equipment that may come into contact with the ground surface. In addition, the well/point will be inspected for integrity, including the protective cover, lock, external surface seal, pad, stick-up, well cap, datum reference, internal surface seal, and any dedicated equipment.

G.1.5 Water Level/ Total Depth Measurements and Detection of Immiscible Liquids

Prior to removing any water from the well, the static water level will be measured. Where possible, an oil/water interface probe will be used to measure the depth to groundwater below the datum to the nearest 0.01 foot. If the total depth of the well is not known or is suspected to be inaccurate, total well depth will be measured by slowly lowering the water level probe to the bottom of the well. Total well depth will be measured to the nearest 0.01 foot. If an immiscible liquid (most likely a light nonaqueous phase liquid [LNAPL]) is encountered during water level measurement, LNAPL thickness also will be measured. Based on previous groundwater sampling events

conducted at the HWSA, dense non-aqueous phase liquids (DNAPLs) have not been detected in site monitoring wells/monitoring points.

Based on water level and total depth information, the volume of water to be purged from the well can be calculated. Total depth will only be measured when absolutely necessary to minimize the amount of sediment disturbance in the well. If LNAPL is present in site monitoring wells, total well depth will not be measured.

Some of the monitoring wells/monitoring points located at the HWSA are too narrow for using the oil/water interface probe for determining the presence of immiscible liquids. For these wells/points, detection of immiscible liquids (LNAPLs) will be possible during purging using a peristaltic pump. Initial purging at these wells/points will be performed at the air/water interface in order to detect floating immiscible liquids.

G.1.6 Groundwater Monitoring Well/ Point Purging

The static groundwater inside each well will be purged using a peristaltic pump. The well will be purged at a very low flow rate [10 milliliters per minute (ml/min) to 1,000 ml/min]. The objective of micropurging is to remove a small volume of water at a low flow rate from a discrete portion of the screened interval of the well without disturbing stagnant water within the casing. Therefore, the well purge rate must never be greater than the recharge rate of the well. During purging, the water level in the well will be monitored to ensure that no drawdown in the well occurs. The water level monitoring will allow the sampling technician to control pumping rates to minimize drawdown. As long as no drawdown is observed during pumping, it may be assumed that the low pumping rate within the discrete, screened portion of the well has not pulled stagnant casing water into the sample.

The pH, temperature, dissolved oxygen, and specific conductivity will be continuously monitored during well purging using a flow-through cell. The flow-through cell will be attached directly to the discharge tubing of the peristaltic pump using Teflon®-lined polyethylene tubing. New tubing will be used at each well. Purging will continue until the parameters have stabilized (less than 0.2 standard pH units or a 10-percent change for the other parameters over a 5-minute period) and the water is clear and free of fines. Research conducted on low-flow micropurging has found that dissolved oxygen and specific conductance readings are the most useful field indicator parameters for stabilization of background water chemistry during purging (Barcelona, *et. al.*, 1994). The research also concluded that stabilization of dissolved oxygen and specific conductance shows some correlation to stabilization of volatile organic compound (VOC) concentrations in "formation" waters.

All purge water will be placed in DOT-approved 55-gallon containers and stored in a secure area pending proper disposal

G.1.7 Sample Extraction

A peristaltic pump with new tubing for each well will be used to extract groundwater samples from the wells at the HWSA. If depth to groundwater exceeds approximately 21

feet it will be necessary to extract a sample using a dedicated bailer because of the vacuum lift limitations of a peristaltic pump. Both types of extraction equipment will be lowered into the water gently to prevent splashing and extracted gently to prevent creation of an excessive vacuum in the well. The sample will be transferred directly to the appropriate sample container. The water sample will be transferred from the bottom of the bailer using a bottom emptying device to allow a controlled flow into the sample container. Water from the peristaltic pump can be directly discharged into the sample container. The water should be carefully poured down the inner walls of the sample bottle to minimize aeration of the sample. Sample containers for VOC analysis will be filled at approximately 200 ml/min and all other sample collection rates will not exceed 400 ml/min. Volatile samples will be collected first, followed by any other analytical samples. Samples for field parameter analysis will be collected last.

Unless other instructions are given by the analytical laboratory, sample containers will be completely filled so that no air space remains in the container. Excess water collected during sampling will be placed into the 55-gallon containers used for well purge waters and disposed of in accordance with applicable regulations.

G.1.8 Onsite Chemical Parameter Measurement

Because many chemical parameters of a groundwater sample can change significantly within a short time following sample acquisition, these parameters will be measured in the field using Hach® or Chemetrics® test kits. Table G.1 lists the field analytical protocol for groundwater samples. The following discussion describes the field procedures for obtaining the onsite chemical parameter measurements. For information on individual instrument calibration procedures, field personnel will maintain a copy of the specific calibration procedures on site, and these procedures will be available for inspection.

Groundwater quality measurements such as temperature, pH, specific conductivity, dissolved oxygen, and reduction/oxidation (redox) potential will be continuously monitored during well purging using a flow-through cell. The flow-through cell will be attached directly to the discharge tubing of the peristaltic pump using Teflon®-lined polyethylene tubing. A new piece of tubing will be used for each well. All groundwater quality measuring equipment will be decontaminated following the procedures described herein. The measurements observed immediately before groundwater sampling begins will be considered the final measurements for the sample, and will be recorded in the field notebook and on the point-specific sampling form.

Groundwater quality measurements such as nitrate, nitrite, manganese, ferrous iron, sulfide, and alkalinity will be measured in the field using Hach®, Chemetrics®, or similar field analysis methods. Groundwater samples for these measurements will be collected after all sample containers for laboratory analyses have been collected. Two 250-ml bottles of groundwater will be collected and capped for field analysis. The field analysis of groundwater samples should begin immediately after collection. Direct sunlight, contact with air, and high temperatures may greatly affect the concentrations of the analytes in question. If possible, analyses will be run indoors, and groundwater

samples will be capped and stored in a cooler with a temperature maintained at 4°C when not in use. Duplicate analyses will be run at a frequency of 10 percent, or one duplicate sample for every ten field analyses (see Section G.3). One blank (distilled water) analysis will be performed for each sampling round.

G.1.9 Sampling Records

In order to provide complete documentation of the sampling event, detailed records will be maintained by the field scientist. At a minimum, these records will include the following information:

- Sample location (facility name);
- Sample identification;
- Sample location map or detailed sketch;
- Date and time of sampling;
- Sampling method;
- Field observations of
  - Sample appearance,
  - Sample odor;
- Weather conditions;
- Water level prior to purging;
- Total well depth;
- Purge volume;
- Water level after purging;
- Well condition;
- Sampler's identification;
- Field measurements of pH, temperature, and specific conductivity; and
- Any other relevant information.

Groundwater sampling activities will be recorded on a groundwater sampling form or in the field scientist's field notebook.

G.2 SAMPLE HANDLING

G.2.1 Sample Labels

The sample label will be firmly attached to the sample sleeve immediately after sample collection, and the following information will be legibly and indelibly written on the label:

- Facility name;
- Sample identification;
- Sample type (e.g., groundwater)
- Sample depth (soil only);
- Preservatives added;
- Sampling date;
- Sampling time;
- Sample collector's initials; and
- Requested analyses.

G.2.2 Sample Preservation

Samples will be properly prepared for transportation to the laboratory by placing the samples in an adequately padded cooler containing ice to maintain an approximate shipping temperature of 4 degrees centigrade (°C). Additional sample preservation techniques are presented in Table G.2.

G.2.3 Sample Shipment

After the samples are sealed and labeled, they will be packaged for transport to the Ohio EPA-approved analytical laboratory. Samples will be shipped priority overnight via Federal Express®. The following packaging and labeling procedures will be followed:

- Package sample so that it will not leak, spill, or vaporize from its container;
- Label shipping container with:
  - Sample collector's name, address, and telephone number;
  - Laboratory's name, address, and telephone number;
  - Description of sample;

- Quantity of sample; and
- Date of shipment.

The packaged samples will be delivered to the laboratory as soon as possible after sample acquisition, and in accordance with analytical method-specific holding times.

G.2.4 Chain-Of-Custody Control

After the samples have been collected, chain-of-custody procedures will be followed to establish a written record of sample handling and movement between the sampling site and the laboratory. Each shipping container will have a chain-of-custody form completed in triplicate by the sampling personnel. One copy of this form will be kept by the sampling team and the other two copies will be sent to the laboratory. One of the laboratory copies will become a part of the permanent record for the sample and will be returned with the sample analytical results. The chain-of-custody will contain the following information:

- Sample identification number;
- Sample collector's printed name and signature;
- Date and time of collection;
- Place and address of collection;
- Sample matrix;
- Analyses requested;
- Signatures of individuals involved in the chain of possession; and
- Inclusive dates of possession.

The chain-of-custody documentation will be placed inside the shipping container so that it will be immediately apparent to the laboratory personnel receiving the container, but will not be damaged or lost during transport. The shipping container will be sealed so that it will be obvious if the seal has been tampered with or broken.

G.3 QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES AND SAMPLING AND POTENTIAL INTERFERENCES

Field QA/QC procedures will include collection of field duplicates and rinseate, field and trip blanks; decontamination of all equipment that contacts the sample medium before and after each use; use of analyte-appropriate containers; and chain-of-custody procedures for sample handling and tracking. All samples to be transferred to an onsite or offsite analytical laboratory for analysis will be clearly labeled to indicate sample number, location, matrix (e.g., groundwater), and analyses requested. Samples will be

preserved in accordance with the analytical methods to be used and packaged in coolers with ice to maintain a temperature of approximately 4 ^{o}C.

All field sampling activities will be recorded in a bound, sequentially paginated field notebook in permanent ink. All sample collection entries will include the date, time, sample locations and numbers, notations of field observations, and the sampler's name and signature. Field QC samples will be collected in accordance with the program described below, and as summarized in Table G.4.

QA/QC sampling will include collection and analysis of duplicate samples, rinseate blanks, field/trip blanks, and matrix spike samples. Internal laboratory QC analyses will involve the analysis of laboratory control samples (LCS) and laboratory method blanks. QA/QC objectives for each of these samples, blanks, and spikes are described below.

One duplicate sample will be collected for every 10 or fewer samples collected, both for groundwater and soils. Volume permitting, duplicate samples will be collected at locations where low to moderate levels of contamination are believed to be present.

One rinseate sample will be collected for every 10 or fewer groundwater samples collected from existing wells. Improperly decontaminated sampling equipment represents the primary field sampling inaccuracy resulting in a potential analytical interference. Equipment rinseate blanks are used to measure contamination introduced to a sample set as a result of improperly decontaminated equipment. Equipment rinseate blanks consist of distilled water (or equivalent) poured or pumped through the sampling device following decontamination.

A field blank will be collected for every 20 or fewer groundwater samples (both from groundwater monitoring point and existing groundwater monitoring well sampling events) to assess the effects of ambient conditions in the field. The field blank will consist of a sample of distilled water poured into a laboratory-supplied sample container while sampling activities are underway. The field blank will be analyzed for VOCS.

A trip blank will be analyzed to assess the effects of ambient conditions on sampling results during the storage and transportation of samples. The trip blank which will be prepared by the laboratory will be used to verify potential interferences resulting from ambient conditions or improper storage and handling. A trip blank will be transported inside each cooler which contains samples for VOC analysis. Trip blanks will be analyzed for VOCS.

Potential interferences resulting from laboratory analysis will be determined by laboratory confirmation of matrix effects and analysis of laboratory method blanks.

Method required quality control samples such as matrix spikes (MS) and surrogate spikes are used to indicated the accuracy of the analytical protocol in relation to the sample matrix. When the accuracy for MSs and surrogate spikes meets the method specified requirements, the quality control spikes fail specified requirements, a matrix effect must be confirmed. Confirmation is done by evaluating quality control samples designed to show only instrument control, unrelated to matrix. This quality control

TABLE G.4
QA/QC SAMPLING PROGRAM
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

QA/QC Sample Types	Frequency to be Collected and/or Analyzed	Analytes or Analytical Methods
Duplicates/Replicates	10% of Samples per Matrix [a/]	VOCs
Rinseate Blanks	10% of Groundwater Samples [a/]	VOCs
Field Blanks	5% of Groundwater Samples [a/]	VOCs
Trip Blanks	One per shipping cooler containing VOC samples	VOCs
Matrix Spike Samples	Once per sampling event	VOCs
Laboratory Control Sample	Once per method per medium	Laboratory Control Charts (Method Specific)
Laboratory Method Blank	Once per method per medium	Laboratory Control Charts (Method Specific)

a/ Rounded to the next highest whole number.

sample is a laboratory control sample (LCS). When the LCS has met it's quality control requirements, and the MS and or the surrogate spike fails, a matrix affect is assumed.

Laboratory method blanks are designed to detect contamination of the field samples in the laboratory environment. Method blanks verify that interferences caused by contaminants in solvents, reagents, glassware, or in other sample processing hardware are known and minimized. The laboratory method blank will be American Society for Testing and Materials Type II water (or equivalent) for water samples, and a purified solid matrix (Ottawa sand or equivalent) for soil samples. The concentration of target compounds in the blanks must be less than the MDL. Exceptions are not made for common laboratory contaminants. If the blank contaminant concentration is not less than the specified limit, then the source of contamination will be identified, and corrective action will be taken.

G.4 CALIBRATION PROCEDURES AND FREQUENCY FOR FIELD TEST EQUIPMENT

Instruments and equipment used to gather, generate, or measure environmental data in the field will be calibrated with sufficient frequency and in such a manner that accuracy and reproducibility of results are consistent with the manufacturer's specifications. Field instruments may include a pH meter, digital thermometer, specific conductivity meter, dissolved oxygen meter, oxidation reduction potential meter, and Hach® spectrophotometer. A summary of calibration frequency and acceptance criteria is presented in Table G.5.

G.5 DETERMINING CONTAMINANT MIGRATION RATES

The rate of contaminant migration will be estimated using conservative assumptions. For all compounds, conservative flow is assumed, resulting in a calculation of maximum contaminant travel distance. This is, the compounds are assumed to be non-reactive, with no sorption or decay. In addition, if dispersion is assumed to be negligible, then contaminant migration occurs only by advection. Advective groundwater velocity is calculated by:

$$V = \frac{K}{n_e}\frac{\Delta h}{\Delta L}$$

where:

V =	average linear velocity (m/d or ft/d)
K =	hydraulic conductivity (m/d or ft/d)
n_e =	effective porosity (dimensionless)
$\Delta h/\Delta L$ =	hydraulic gradient (dimensionless)

TABLE G.5
CALIBRATION OF EQUIPMENT FOR FIELD SCREENING
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Method	Applicable Parameter	QC Check	Minimum Frequency	Acceptance Criteria	Corrective Action[a/]	Reporting Limit
SW9050	Conductance	Calibration with potassium chloride standard	Once per day at beginning of testing	± 5%	If calibration is not achieved, check meter, standards, and probe; recalibrate	0.02 µmhos/cm
SW9040	pH (water)	2-point calibration with pH buffers	Once per day at beginning of testing	± 0.05 pH units for every buffer	If calibration is not achieved, check meter, buffer solutions, and probe; replace if necessary; repeat calibration	pH units
		pH 7 buffer	At each sample location	± 0.1 pH units	Correct problem, recalibrate	
E170.1	Temperature	Check against a mercury thermometer	Once per day at beginning of testing	± 1.0°C[b/]	Correct problem, repeat measurement	°C
ASTM[c/] D1498	Oxidation-reduction potential	Calibration with one standard	Once per day at beginning of testing	Two successive readings ± 10 millivolts	Correct problem, recalibrate	pe[d/] units
E360.1	Dissolved oxygen	Calibration check with one standard, and zero meter with sodium sulfate solution	Once per day at beginning of testing	± 5 %	Correct problem by checking meter, standard solutions, replace if necessary; repeat calibration check	0.5 mg/L[e/]
Hach™ 8146	Ferrous Iron (Fe^{2+})	Calibration check with one standard	Once per day at beginning of testing	± 50 %	Correct problem by checking meter, standard solutions, and optical cell; replace if necessary; repeat calibration check	0.024 mg/L
		Accuracy check, (3 concentration points)	Once per day	± 50 %	Correct problem by checking meter, standard solutions, and optical cell; replace if necessary; repeat calibration check	

TABLE G.5 (Continued)
CALIBRATION OF EQUIPMENT FOR FIELD SCREENING
HAZARDOUS WASTE STORAGE AREA
RICKENBACKER ANGB, OHIO

Method	Applicable Parameter	QC Check	Minimum Frequency	Acceptance Criteria	Corrective Action[a/]	Reporting Limit
HACH™ 8131	Sulfide (S^{-2})	Calibration check with one standard	Once per day at beginning of testing	± 50 %	Correct problem by checking meter, standard solutions, and optical cell; replace if necessary; repeat calibration check	NA[f/]
		Accuracy check, (3 concentration points)	Once per day	± 50 %	Correct problem by checking meter, standard solutions, and optical cell; replace if necessary; repeat calibration check	

a/ All corrective actions will be documented.
b/ °C = degrees Celsius.
c/ ASTM = American Society for Testing and Materials.
d/ pe = potential platinum electrode.
e/ mg/L = milligrams per liter.
f/ NA = not applicable.

G.6 REFERENCES

Barcelona, M.J., Wehrmann, H.A., and Varljen, M.D., 1994, Reproducible Well-Purging Procedures and VOC Stabilization Criteria for Ground-Water Sampling, v. 32, no. 1, p. 12-22.

APPENDIX H

HEALTH AND SAFETY PLAN

APPENDIX H

HEALTH AND SAFETY PLAN

The purpose of this plan is to outline the protection standards and mandatory safety practices for all personnel involved in closure activities for the Hazardous Waste Storage Area (HWSA) at Rickenbacker Air National Guard Base (ANGB). The provisions of this plan are mandatory for all onsite investigations related to this closure plan. Any supplemental plans used by subcontractors will conform to this plan as a minimum. This plan provides general health and safety guidance for site operations. Specific health and safety guidance is deferred to individual task program managers and health and safety officers.

H.1 PROGRAM HEALTH AND SAFETY OFFICER

The task health and safety officer will be responsible for developing a site specific training program to be presented to all personnel working at the site. The training will be conducted before work commences, and will include the following topics:

- Names of personnel responsible for site health and safety;
- Acute effects of compounds at the site;
- OSHA regulations;
- Safety, health and other hazards at the site;
- Work practices by which employees can minimize risk from hazards;
- Decontamination procedures; and
- Proper use of personnel protection equipment.

The task health and safety officer will also conduct daily briefings to discuss specific procedures and hazards which will be encountered that day and will ensure that field practices are consistent with the guidelines provided in OSHA's 29 CFR 1910.120, 1910.132, 1910.1200, and 1926, USEPA's Occupational Health and Safety Manual, and Chapter 9 of the USEPA's Standard Operating Safety Guidelines. The task health and safety officer is also responsible for maintaining all employee training and medical monitoring documentation.

H.2 SITE-SPECIFIC EMPLOYEE TRAINING AND MEDICAL MONITORING

All field team members will have received the 40-hour Occupational Safety and Health Administration (OSHA) training as specified in Title 29 Code of Federal Regulations 1910.120, a current 8-hour annual refresher course and site-specific training. All field team members will be on appropriate and current medical monitoring programs. All personnel engaged in site supervisory positions will have completed the 8-hour OSHA supervisory training as specified in 29 CFR 1910.120(E). Additional training may be required for personnel involved in Level B (supplied air) respiratory protection, should that level of protection be necessary. Weekly safety briefings will be conducted if necessary.

H.3 SITE HAZARDS

H.3.1 Chemical Hazards

A number of products containing hazardous chemicals may be encountered during the implementation of this closure plan. Hazardous chemicals suspected to be present at the HWSA include fuel hydrocarbons and chlorinated solvents in soils and groundwater. If other compounds are discovered, the health and safety plan will be amended. The health hazard qualities of chemicals that may be encountered must be communicated to onsite employees.

H.3.2 Physical Hazards

In addition to the potential exposure to hazardous substances during the implementation of the closure plan, other physical hazards or hazardous conditions may be expected at the site due to the use of heavy equipment during soil gas surveys, monitoring well installation, installation and testing of both the soil and groundwater remedial systems, and groundwater and soils investigation. These include possible risks of injury while working with electrical equipment, in or around abandoned or moving equipment, and/ or heat stress and cold-related exposures. Work areas should therefore be cordoned off to protect both public and operational personnel. Additional information concerning task specific physical hazards are deferred to the task health and safety plans.

H.3.2.1 Electrical Safety

Some of the equipment used during implementation is operated by electricity. Maintenance and day-to-day activities require personnel to handle and control this equipment. Unless safe work practices are strictly observed, serious injury or death can result.

Ordinary 120 volt (v) electricity may be fatal. Extensive studies have shown that currents as low as 10 to 15 milliamps (MA) can cause loss of muscle control and that 12 V may, on good contact, cause injury. Therefore, all voltages should be considered dangerous. All electricity should be treated cautiously by trained personnel.

Electricity kills by paralyzing the nervous system and stopping muscular action. Frequently, electricity may hit the breathing center at the base of the brain and interrupt the transmission of the nervous impulses to the muscles responsible for breathing. In

other cases, the electrical current directly affects the heart, causing it to cease pumping blood. Death follows from lack of oxygen in the body. It cannot be determined which action has taken place, therefore, a victim must be freed from the live conductor promptly by use of a dry stick or other nonconductor or by turning off the electricity to at least this point of contact. Never use bare hands to remove a live wire from a victim or a victim from an electrical source. Artificial respiration or CPR should be applied immediately and continuously until breathing is restored, or until a doctor or emergency medical technician arrives.

H.3.2.1.1 General Electrical Safety Rules

- As long as you are not grounded, (i.e., as long as current cannot pass through your body to the ground) you are safe. While working on electrical circuits, do not touch the switch box cabinet or any other object, such as a pipe, that will give electric current a path through your body. Do not stand in water and, if possible, place a rubber mat under your feet.
- Allow only authorized people to work on electrical panels.
- Keep rubber mats in front of electrical panels.
- Treat all electrical wires and circuits as "live," unless certain they are not.
- Use approved rubber gloves.
- Electrical control panels should never be opened unless the job requires it.
- No part of the body should be used to test a circuit.
- Always work from a firm base as loss of balance may cause a fall onto energized busses or parts, which should be covered with a good electrical insulator such as a rubber blanket.
- No safety device should be made inoperative by removing guards, using oversized fuses, or blocking or bypassing protective devices, unless it is absolutely essential to the repair or maintenance activity, and then only after alerting operating personnel and the maintenance supervisor.
- All tools should have insulated handles, be electrically grounded, or be double insulated.
- Jewelry should never be worn when working on electric circuits.
- Use fuse pullers to change fuses.
- Never use metal ladders, metal tape measures, or other metal tools around electrical equipment.
- Keep wires from becoming a tripping hazard.

- When performing electrical work, even simply energizing a piece of equipment, observe "no smoking" signs.

- When working around electrical equipment, keep your mind on the potential hazards at all times.

H.3.2.1.2 Holding and Locking Out Electrical Circuits

The most important safety requirement in electrical maintenance is to have and adhere to a good system for holding and locking out electrical circuits when equipment is being repaired. Unexpected operation of electrical equipment that can be started by automatic or manual remote control may cause injuries to persons who happen to be close enough to be struck.

When motors or electrical equipment require repair, the circuit should be opened at the switch box, and the switch should be padlocked in the "off" position.

All personnel involved in maintenance work should be instructed in the following lockout procedure:

- Alert the affected personnel.

- Before starting work on an engine, motor line shaft, or other power transmission equipment, or power driven machine, make sure it cannot be set in motion without your permission.

- Place your own padlock on the control switch, lever, or valve, even though someone may have already locked the control. You will not be protected unless you put your own padlock on it.

- When through working at the end of your shift, remove your padlock; never permit someone else to remove it for you; and be sure you are not exposing another person to danger by removing your padlock.

- After repair, clear personnel from area before closing the breaker.

Further information concerning lockout/tag out procedures can be found in 29 CFR Part 169.

H.3.2.2 Fire Safety

Fuel and solvents have been released into the soils at the HWSA and vapors escaping from the soils may be flammable or explosive (if in a confined space). Therefore, precautions should be taken when performing field work (drilling or well construction/installation) to ensure that combustible or explosive vapors have not accumulated, or that an ignition source is not introduced into a flammable atmosphere. An explosivity meter will be used during construction to monitor work in areas where a potentially explosive atmosphere exists. Tools used in areas with potentially explosive atmospheres will be of nonsparking design and materials.

OSHA standards for fire protection and prevention are contained in 29 CFR Subpart F, 1926.150 through 1926.154. Of particular concern are:

- Proper storage of flammables;
- Adequate numbers and types of fire extinguishers;
- Use of intrinsically safe or explosion proof equipment where appropriate;
- Monitoring for development of an explosive atmosphere; and
- Prevention of explosive atmospheres by placing flammable equipment in well-ventilated enclosures.

H.3.2.3 Motor Vehicles and Heavy Equipment

Working with large motor vehicles and heavy equipment could be a major hazard at the HWSA. Injuries can result from equipment dislodging and striking unsuspecting personnel, and impacts from flying objects or overturning of vehicles. Vehicles and heavy equipment design and operation will be in accordance with 29 CFR, Subpart 0, 1926.600 through 1926.602. In particular, the following precautions will be used to help prevent injuries and accidents:

- Drill rig brakes, hydraulic lines, light signals, fire extinguishers, fluid levels, steering, tires, horn, and other safety devices will be checked and recorded routinely throughout the project.
- Do not back up large construction motor vehicles unless the vehicle has a reverse signal alarm (audible above the surrounding noise level) and backup warning lights, or when an observer signals it is safe to do so.
- Heavy equipment or motor vehicle cabs will be kept free of all nonessential items and all loose items will be secured.
- Construction and heavy equipment will be provided with necessary safety equipment including seat belts, rollover protection, emergency shutoff during rollover, backup warning lights, and audible alarms.
- Blades and buckets will be lowered to the ground and parking brakes will be set before shutting off any heavy equipment or vehicle.

Typical hazards associated with drilling activities include suspended loads dropping on employees, being caught between a load and a stationary object, or being struck by counterweights. They can be prevented or their impact minimized by the safe operation of drilling equipment, wearing protective equipment including a hard hat and safety boots, and routinely inspecting drilling/cone penetrometer equipment to identify unsafe conditions (e.g., frayed ropes).

H.3.2.4 Electrical Line Clearance and Thunderstorms

Extra precautions will be exercised when drilling near overhead electrical lines. The minimum clearance between overhead electrical lines of 50 kilovolts (Kv) or less and the drill rig is 10 feet. For lines rated over 50 Kv, the minimum clearance between the lines and any part of the rig is 10 feet plus 0.4 inches for each Kv over 50 Kv. Because the power rating of overhead lines is not typically known, a 20-foot minimum distance will be maintained between the drill rig and overhead power lines. Drilling operations must cease during thunderstorms.

Onsite surveillance of the drilling subcontractor should be provided to ensure that personnel meet these requirements. If deficiencies are noted, work will be stopped and corrective actions implemented. Reports of health and safety deficiencies and the corrective actions taken will be forwarded to the installation manager.

H.3.2.5 Slip, Trip and Fall Hazards

The HWSA site could contain a number of slip, trip and fall hazards for site workers, such as:

- Holes, pits, or ditches;
- Slippery surfaces;
- Steep grades;
- Uneven grades; and
- Sharp objects.

Site personnel will be instructed to look for potential safety hazards and immediately inform the site health and safety officer (SHSO) or the site manager about any new hazards. If the hazard cannot be immediately removed, actions must be taken to warn site workers about the hazard.

H.3.2.6 Excavation Activities

Prior to initiation of any excavation activities the location, if any, of underground installations such as sewers, telephone, water, fuel, and electric lines must be determined. The walls and faces of all excavations in which personnel are exposed to danger from moving ground must be guarded by a shoring system, sloping of the ground, or by some other equivalent means.

Excavations (greater than 4 feet deep) must be inspected by a competent person, as defined in OSHA, after every rainstorm or other hazard increasing occurrence, and the protection against slides and cave-ins will be increased if necessary. All OSHA requirements concerning excavation activities, contained in 29 CFR 1926.651, must be followed.

H.3.2.7 Subsurface Hazards

Before ground penetration activities are initiated, efforts must be made to determine whether underground installations, (e.g., sewers, telephone, water, fuel, and electric lines) will be encountered and, if so, where such underground installations are located. Utility companies or the base engineer will be contacted by the field team leader prior to commencing intrusive operations and the necessary clearances obtained.

H.3.2.8 Noise-Induced Hearing Loss

Work onsite will involve the use of heavy equipment such as a drill rig, compressor, generator, and excavation equipment. The unprotected exposure of site workers to this noise or to aircraft noise during activities near runways or aircraft can result in noise induced hearing loss. The SHSO will ensure that either ear muffs or disposable foam earplugs are made available to, and used by, all personnel in the vicinity of the operation of heavy equipment, aircraft noise, or other sources of high intensity noise.

H.3.2.9 Heat Stress and Cold-Related Illness

Adverse weather conditions are important considerations in planning and conducting site operations. Hot or cold weather can cause physical discomfort, loss of efficiency, and personal injury. Of particular importance is heat stress resulting when temperatures are moderate or when employees are wearing impermeable clothing.

Heat stress: Heat stress can result when protective clothing decreases natural body ventilation. Heat stress can occur even when temperatures are moderate if employees are wearing impermeable protective clothing.

Cold-related illness: If work on this project is conducted in the winter months, thermal injury due to cold exposure can become a problem for field personnel. Cold exposure symptoms, including hypothermia and frostbite, should be monitored when workers are exposed to low temperatures for extended periods of time.

H.4 PERSONNEL ROLES, LINES OF AUTHORITY, AND COMMUNICATION PROCEDURES DURING AN EMERGENCY

When an emergency occurs, decisive action is required. Rapidly made choices may have far reaching, long-term consequences. Delays of minutes can create life threatening situations. Personnel must be ready to respond to emergency situations immediately. All personnel should know their own responsibilities during an emergency, know who is in charge during an emergency, and know the extent of that person's authority. This section outlines personnel roles, lines of authority, and communication procedures during emergencies.

In the event of an emergency situation at a site, the site manager and the SHSO will assume total control and will be responsible for onsite decision making. These individuals have the authority to resolve all disputes about health and safety requirements and precautions. They will also be responsible for coordinating all activities until emergency response teams (ambulance, fire department, etc.) arrive onsite.

The site manager will ensure that the necessary air force personnel, field personnel, and agencies are contacted as soon as possible after the emergency occurs. All onsite personnel must know the location of the nearest telephone and the location of the emergency telephone number.

H.4.1 Evacuation Routes and Procedures, Safe Distances, and Places of Refuge

In the event of emergency conditions, employees will evacuate the area as instructed, transport injured personnel, or take other measures to mitigate the situation. Evacuation routes and safe distances will be decided upon and posted prior to initiating work.

H.4.2 Decontamination of Personnel During an Emergency

Procedures for leaving a contaminated area must be planned and implemented prior to going onsite. Work areas and decontamination procedures must be established based on expected site conditions. If a member of the field crew is exposed to chemicals, the emergency procedures outlined below should be followed:

- Another team member (buddy) should assist or remove the individual from the immediate area of contamination to an upwind location if it is safe to do so.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the clothing should be removed if it is safe to do so.
- Administer first aid and transport the victim to the nearest medical facility, if necessary.

If uninjured employees are required to evacuate a contaminated area in an emergency situation, emergency decontamination procedures should be followed. At a minimum these procedures would involve moving into a safe area and removing protective equipment. Care should be taken to minimize contamination of the safe area and personnel. Contaminated clothing should be placed in plastic garbage bags or other suitable containers. Employees should wash or shower as soon as possible.

H.4.3 Emergency Site Security and Control

For this project, the site manager (or designated representative) must know who is onsite and who is in the work area. Personnel access into the work area should be controlled. In an emergency situation, only necessary rescue and response personnel should be allowed into the exclusion zone.

H.5 PROCEDURES FOR EMERGENCY MEDICAL TREATMENT AND FIRST AID

H.5.1 Chemical Exposure

In the event of chemical exposure (skin contact, inhalation, ingestion) the following procedures should be implemented:

- Another team member (buddy) should assist or remove the individual from the immediate area of contamination to an upwind location if it is safe to do so.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the clothing should be removed if it is safe to do so.
- If the chemical has contacted the skin, the skin should be washed with copious amounts of water, preferably under a shower.
- In case of eye contact, an emergency eye wash should be used. Eyes should be washed for at least 15 minutes.
- If necessary, the victim should be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.

H.5.2 Personal Injury

In the event of personal injury:

- Field team members trained in first aid can administer treatment to an injured worker.
- The victim should be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.
- The field supervisor is responsible for the completion of an accident report form.

H.5.3 Fire or Explosion

In the event of fire or explosion, personnel will evacuate the area immediately and administer necessary first aid to injured employees. Personnel will proceed to a safe area and telephone the emergency support services. Upon contacting the emergency support services, the caller should state his/her name, nature of the hazard (fire, high combustible vapor levels), the location of the incident, and whether there were any physical injuries requiring an ambulance. Do not hang up until emergency support services has all of the additional information they may require.

H.6 PERSONAL PROTECTIVE EQUIPMENT

The personal protection level prescribed for the project is OSHA Level D (no respiratory or chemical protective clothing), with a contingency for the use of OSHA Level C or B as site conditions require. Unless certain compounds are ruled out through use of appropriate air monitoring techniques such as dräger tubes, portable sampling pumps, or an onsite gas chromatograph (gc), Level C respiratory protection [air-purifying respirator (apr)] cannot be used. Level C protection may only be used on this project when vapors in air are adequately identified and quantified and Level C respirator-use criteria are met. Level B (supplied air) respiratory protection must be used on this project in the presence of unknown vapor constituents or if benzene is detected at or above 1 ppmv. This is based on the toxicity and warning properties (high odor threshold) for

benzene. Air monitoring must be conducted in the worker breathing zone when the potential occurrence of these compounds exists.

Ambient air monitoring of organic gases/vapors (using photoionization detectors such as an HNU© or PHOTOVAC© tip or by colorimetric analysis with DRÄGER© tubes) will be used to select the appropriate level of personal protection. If the portable air monitoring equipment indicates organic vapor concentrations of 0-5 ppmv, site workers will continue air monitoring in a Level D ensemble. If organic vapors reach 5-25 ppmv for more than 30 seconds, and/or benzene concentrations exceed 1 ppmv, site workers will evacuate the area or upgrade to Level B ensemble, if trained to do so. If benzene concentrations are less than 1 ppmv in the breathing zone, the site crews may continue in Level D ensemble with periodic air monitoring. If organic vapor concentrations reach 25-50 ppmv for greater than 30 seconds and benzene concentrations exceed 1 ppmv, site crews will evacuate the site or upgrade to Level b ensemble. If benzene concentrations are less than 1 ppmv, and vapors are in the range of 25-50 ppmv, site workers will don full facepiece air-purifying respirators (APR) equipped with organic vapor cartridges (NIOSH approved), and continue periodic monitoring. If organic vapor concentrations reach 50-500 ppmv for greater than 30 seconds, site crews will evacuate the site or upgrade to Level B ensemble. If organic vapor concentrations exceed 500 ppmv for greater than 30 seconds, site crews will evacuate the site. The site health and safety officer will determine when changes in the level of respiratory protection are appropriate.

The following personal protective ensemble is required only when handling contaminated samples or equipment.

Mandatory Equipment	Optional Equipment
Vinyl or Latex Inner Gloves	Air Purifying Respirator (equipped with
Neoprene or Silver Shield/Outer Gloves	organic vapor/high Efficiency Particulate
Steel-Toed, Steel Shank Work Boots	Air [HEPA] Catridges)
	Self-Contained Breathing Apparatus (SCBA) or Air-Line Respirator in Pressure-Demand Mode
	Leather or Rubber Safety Boots
	Disposable Tyvek/Coveralls
	Outer Disposable Boot Covers
	Saranex/Suits
	Chemical Goggles
	Hard Hat

Each field team shall have the following items readily available:

- Copy of this health and safety plan, including a separate list of emergency contacts;
- First aid kit;
- Eye wash bottle;

- Paper towels;
- Duct tape;
- Water; and
- Plastic garbage bags.

H.7 SITE CONTROL MEASURES

The following site control measures will be followed in order to minimize potential contamination of workers, protect the public from potential site hazards, and to control access to the site. Site control involves the physical arrangement and control of the operation zones (i.e., site organization) and the methods for removing contaminants from workers and equipment. Site organization is discussed in this section.

H.7.1 Site Operation Zones

Any time respirators are worn, the following operation zones will be established on the site or around a particular site feature (such as the drill rig):

- Exclusion zone (or contamination zone)
- Contamination-reduction zone
- Support zone.

If protective clothing, such as gloves and/or TYVEK suits, are worn but respirators are not worn (Level D-modified), the field crew will establish a decontamination area to avoid spreading contaminants offsite. The field team leader and/or site safety officer will be responsible for establishing the size and distance between zones at the site or around the site feature. Professional judgment is required to assure safe working distances for each zone are balanced against practical work considerations.

H.7.1.1 Exclusion Zone (Contamination Zone)

The exclusion zone is the place within which active investigation or cleanup operations occur. Within the exclusion zone, prescribed levels of protection must be worn by all personnel. The hotline, or exclusion zone boundary, is initially established based upon the presence of actual wastes or apparent spilled material, or through air monitoring, and is designated to encompass all physical indicators of hazardous substances (e.g., drums, ponds, tanks, liquid runoff defoliated areas). The hotline may be readjusted based upon subsequent observations and measurements. This boundary should be physically secure and posted or well-defined by physical and geographic boundaries.

Under some circumstances, the exclusion zone may be subdivided into zones based upon environmental measurements or expected onsite work conditions. An exclusion zone will be established around the drill rig or other appropriate site features if Level C or B protection is required.

H.7.1.2 Contamination-Reduction Zone

Between the exclusion zone and the support zone is the contamination-reduction zone. This zone provides an area to prevent or reduce the transfer of hazardous materials which may have been picked up by personnel or equipment leaving the exclusion area. All decontamination activities occur in this area.

H.7.1.3 Support Zone

The support zone is the outermost area of the site and is considered a noncontaminated or clean area. The support zone contains the command post for field operations, first aid stations, and other investigation and cleanup support. Normal work clothes are appropriate apparel within this zone; potentially contaminated personnel clothing, equipment, etc., are not permitted.

H.7.2 Site Security

The site is currently surrounded by a 6-foot chain-link fence with locking gate. It is anticipated that this fence will remain throughout the course of the closure. Access to the site is limited further by overall base security. A guard is on duty 24 hours per day at the Base gate.

Warning signs stating:

"DANGER - UNAUTHORIZED PERSONNEL KEEP OUT,"

or similar language will be posted around the permanent and temporary fencing. These site security measures meet the requirements of 40 CFR 265.14.

Site security will be enforced by the site health and safety officer who will ensure that only authorized personnel are allowed in the work area and that entry personnel have the required level of PPE, are trained under the requirements of 29 CFR 1910.120, and are on a current medical monitoring program.

Site security is necessary to prevent exposure of unauthorized, unprotected individuals in the work area. The areas immediately surrounding the work area will be clearly marked through use of warning signs, traffic cones, barrier tape, rope, or other suitable means.

H.7.3 Site Communication

Internal site communication is necessary to alert field team members in the exclusion zone and contamination-reduction zone of emergency conditions, to convey safety information, and to communicate changes or clarification in the work to be performed. For internal site communication, the field team members will use prearranged hand signals (and responses). Radios and/or compressed air horns may also be used for communication.

External site communication is necessary to coordinate emergency response teams and to maintain contact with essential offsite personnel. A telephone will be available for use in external site communication.

H.7.4 Safe Work Practices

To ensure a strong safety awareness program during field operations, personnel shall have adequate training, this health and safety plan must be communicated to the employees, and standing work orders developed and communicated to the employees. Sample standing orders for personnel entering the contamination-reduction zone and exclusion zone are as follows:

- No smoking, eating, drinking;
- No matches/lighters in the zone;
- Check in/check out at access control points;
- Use the buddy system;
- Wear appropriate PPE;
- Avoid walking through puddles or stained soil;
- Discovery of unusual or unexpected conditions will result in immediate evaluation and reassessment of site conditions and health and safety practices;
- Conduct safety briefings prior to onsite work;
- Conduct daily/weekly safety meetings as necessary; and
- Take precautions to reduce injuries from heavy equipment and other tools.

The following guidelines will be followed while working onsite:

- Heavy Equipment - Only qualified operators will be allowed to operate heavy equipment. Subcontractors will be required to use the safe work guidelines included in the OSHA general industry (29 CFR 1910) and construction industry (29 CFR 1926) Standards.
- Trench Shoring - Any trenches for human entry that are more than 5 feet deep will be shored or have the sides laid back in accordance with 29 CFR 1926 Subpart P. All trenching and shoring will be inspected on a daily basis by the SHSO.
- Power Lines - When operating heavy equipment such as drilling rigs near power lines, workers will take care to ensure that the boom or rigging always maintains a safe distance (20-foot minimum) from power lines. Any underground utility lines must also be located, and appropriate measures taken before any excavation work or drilling is done.

- Swing Radius - All swing equipment, such as cranes or backhoes, will have the swing radius guarded to prevent workers from being struck by the rotating machinery.

- Electrical Equipment - All electrical equipment will be properly grounded and class approved for the location.

- Machine Guarding - All machinery onsite will be properly guarded to prevent contact with rotating shafts, blades, or gears.

- Flammable Materials - When work involves flammable materials, adequate ventilating and control of all ignition sources will be maintained. Preventative measures may include:

  - Nonsparking tools, no welding,
  - Explosion-proof equipment (intrinsically safe),
  - Class-approved electrical equipment,
  - Grounding and bonding of static electricity sources, and
  - No smoking or open lights.

H.8 PERSONNEL DECONTAMINATION PROCEDURES

An exclusion zone, contamination-reduction zone, and support zone will be established whenever field personnel are using Level C or B respiratory protection. Decontamination station layout will be made on a site-specific basis and will be designed to accommodate the particular PPE worn by employees and the types of chemical hazards encountered. Defined access and egress points will be established and personnel will enter and exit only through these points.

If personnel are in Level D-modified protection (no respirator but using protective gloves and/or suits and other equipment), a portable decontamination station will be set up at the site actively under investigation. The decontamination station will include provisions for collecting disposable personal protective equipment (PPE) (such as Tyvek® suits, gloves, etc.); washing boots, gloves, vinyl rainsuits (if used), and field instruments and tools; and washing hands, face, and other exposed body parts. Onsite personnel will shower upon return to their hotel or homes at the end of the work day. Refuse from decontamination will be bagged and left onsite for proper disposal.

H.9 EQUIPMENT DECONTAMINATION

Decontamination of drilling rigs and testing equipment will be conducted at a location onsite where the rinseate can be collected. High-pressure steam cleaning of drilling rigs and cone penetrometer testing equipment will be necessary prior to the start of the drilling operation, between borehole locations, and before the drill rig leaves the project site. All sampling equipment will be decontaminated prior to use, between samples, and between sampling locations. Sampling equipment should be thoroughly washed with detergent,

followed by clean water rinse, solvent (methanol) rinse, and a distilled water rinse. Adequate time will be allowed for solvent evaporation before equipment reuse.

APPENDIX I

CORRESPONDENCE AND COMMENTS

DEPARTMENT OF THE AIR FORCE
AIR FORCE BASE CONVERSION AGENCY

March 15, 1999

AFBCA/DB Rickenbacker
7556 South Perimeter Road
Rickenbacker IAP
Columbus, Ohio 43217-5910

Mr. Christopher Jones, Director
Ohio Environmental Protection Agency (EPA)
Lazarus Government Center
122 S. Front Street
Columbus, Ohio 43215

SUBJECT: Amended Closure/Post Closure Plan, Rickenbacker Air National Guard Base (ANGB), Hazardous Waste Container Storage Area (Bldg. 560) OH3571924544

The Air Force Base Conversion Agency (AFBCA) has been conducting quarterly groundwater monitoring at the former Hazardous Waste Storage Area at Rickenbacker Air National Guard Base (Bldg. 560) in accordance with the Amended Closure/Post Closure Plan approved by Ohio EPA on May 19, 1997. On February 13, 1998, an Amended Closure Plan, which included a risk assessment, was submitted to Ohio EPA for review and comment. A meeting was held on Monday, February 8, 1999, at the AFBCA to discuss a draft Notice of Deficiency from Ohio EPA concerning the February 1998 Amended Closure Plan and risk assessment. Copies of the draft Notice of Deficiency had been provided to all parties prior to the meeting. At the conclusion of the meeting, it appeared that the site may not meet risk-based standards, even if the risk assessment was revised to address Ohio EPA comments. The AFBCA then asked that it be given sufficient time to evaluate the discussions and conclusions from the meeting and to respond to Ohio EPA. It was agreed that the AFBCA would submit a response to Ohio EPA by the end of February.

Subsequent to the meeting and prior to the end of February, I had a telephone conversation with you during which I indicated that the AFBCA intended to withdraw our Amended Closure Plan dated February 1998 from further consideration by Ohio EPA. I also stated that I would provide you with written confirmation of this action within the next couple weeks. In response to our telephone conversation, I am hereby notifying your office that the AFBCA would like to officially withdraw the February 1998 Amended Closure Plan with risk assessment from further consideration by Ohio EPA. The AFBCA will continue the quarterly monitoring of the groundwater at the site in accordance with the plan approved in 1997. The AFBCA will also evaluate and consider any other actions at the site that may be of benefit to accomplish closure by October of CY2000 as scheduled in the approved plan.

We appreciate Ohio EPA's continued efforts and cooperation in working with the Air Force to achieve closure of this facility. If you have any questions concerning this matter, please contact me at (614) 492-8065, extension 13.

Alan C. Friedstrom, PE

ALAN FRIEDSTROM, PE
BRAC Environmental Coordinator

Cc:
Kimbra Reinbold (Ohio EPA DHWM/CDO)
Dan Mooney (AFCEE/ERB)
Craig Snyder (Parsons ES)
Joe Tyburski (IT)

731296
Rickenbacker ~~724691~~ File
D. Downey
Dead

Meeting Notes

Amended Closure Plan (2/98)
Rickenbacker ANGB, Bldg. 560 HWSA
Monday, February 8, 1999
1:00 - 2:30 PM EST

Attendees:	Ohio EPA:	Lundy Adelsberger, Chris Bulinski, Kim Reinbold, DHWM/CDO Peggy Crone-Brown, DDAGW/CDO
	AFBCA:	Alan Friedstrom
	Parsons ES:	Craig Snyder, Doug Downey, Loren Lund
	IT Corp.:	Joe Tyburski, Paul McKarren

Notes:

This meeting was scheduled by Ohio EPA as a means to present its findings on the Amended Closure Plan for the Bldg. 560 HWSA submitted in February 1998. The amended plan included a risk assessment for the unit and the conclusion that the unit could be declared clean to risk-based standards after 8 quarters of confirmation groundwater monitoring. A draft Notice of Deficiency attachment containing Ohio EPA's specific comments on the risk assessment and plan in general was faxed to all parties on 2/4/99; the attached agenda was also faxed at that time.

After connections were completed and introductions were made, Ohio EPA provided a brief overview of the HWSA closure history since 1987. The various types of approaches used were reviewed, including pump and treat technology for the groundwater, intrinsic remediation, and most recently air sparging and bioventing. AFBCA is currently operating under an approved closure plan (dated 2/97; approved 5/97) that calls for completion of closure by 10/00, and closure of the unit as a landfill if clean closure cannot be achieved by that time; continued groundwater monitoring is also required by the approved plan. Ohio EPA did not require submittal of the 2/98 plan; instead, the 2/98 plan was submitted by AFBCA to see if current contamination has been reduced to levels sufficient to pass a risk assessment.

All parties confirmed they had received the fax, and Parsons ES indicated it had reviewed the comments and was in agreement with or understood many of the issues, but still had some questions about a few of the comments. We discussed the fact that although the risk assessment was reviewed in detail and detailed comments have been provided, there are several larger issues of concern; our intent is to focus discussion at this meeting on these areas.

Mr. Downey indicated he had one main concern, which was whether MCLs are always considered the target level for groundwater in Ohio. Ohio EPA indicated that DHWM had a memo detailing this issue; in short the memo recommends that MCLs be the target cleanup level unless the risk based cleanup standards are lower (like in situations with multiple contaminants) or unless the groundwater can be determined not to be a viable source of potable water. Ohio EPA brought this memo to the meeting, and AFBCA faxed copies during the meeting. Because the groundwater at the HWSA currently has levels of several constituents above MCLs, Parsons ES asked whether Ohio EPA was asking the company to revise the closure plan in response to our comments. We explained that they have several options to consider, and Parsons ES asked us to review these options now.

The first option would be for AFBCA to attempt to demonstrate that the site groundwater is not a potable water source. Ohio EPA guidance on the topic was also faxed with the MCL memo, and we discussed the difference between what the VAP program classifies as groundwater (yields >3 gpm) and what RCRA considers to be viable aquifer, which does not have to be a specific yield number but instead relies on an analysis of whether site groundwater yield is comparable to known drinking water well yield for wells in the area. Ms. Crone-Brown cautioned Parsons ES and IT Corp. that there have only been two sites in Ohio where the groundwater pathway was not included in a risk assessment; one involved a site where brine contamination made the groundwater completely unuseable, and another involved a site where an isolated perched water table was present that was seasonally dry for extended periods. Ms. Crone Brown was not as confident that this type of demonstration could be made for the Rickenbacker site (all of the CERCLA sites on base considered the groundwater pathway), but did recommend that they consider pumping tests rather than bail tests in determining yield if this demonstration is attempted.

AFBCA's other options included withdrawl of the 2/98 plan and continuing closure activities under the existing approved plan (which essentially requires only continued groundwater monitoring and reporting at this point), revising the amended plan to respond to the detailed comments, or revisiting landfill closure of the site (including construction of a landfill cap) and providing these details in an amended closure/post-closure plan. Mr. Friedstrom indicated that with the Port Authority more actively involved in development of the area, now may be a better time to negotiate cap requirements. He also asked for clarification on whether a landfill cap would be required at Rickenbacker (since a cap is not being required at the FF87 HWSA at the former NAFB), and Ohio EPA responded that because soil contamination is wide-spread and the plumes of groundwater contamination appear to be migrating away from the unit, for the Rickenbacker HWSA a landfill cap would be necessary. At the NAFB, the plume has been relatively stable for ~15 years. Ohio EPA indicated it would work with AFBCA and the Port Authority on cap design details.

Risk assessment issues were discussed next at the request of Parsons ES. Perhaps the largest concern with the approach used by Parsons ES was the screening out of COPCs that did not exceed calculated (parameter-specific) PRGs. While it appears that many of the chemicals would not add any appreciable risk to the overall risk estimates, DHWM currently requires that all COPCs detected at the site (above background or MDLs) attributable to waste stored at the HWSA be carried forward in calculating total site risks. Parsons ES indicated that due to the large number of contaminants and the format in which the data was available to them, doing this was for every chemical proved difficult. As a result, the screening step was used. Ohio EPA confirmed that references it had reviewed had also recommended this approach.

Another of the concerns raised by Parsons ES and discussed in the draft NOD attachment was the risk goals used by Ohio EPA. The Director's memo of 11/95 was cited as the source of the conclusion that risks in the range of 10^{-4} to 10^{-6} would be acceptable, and we informed them that DHWM had set a target cumulative cancer risk goal of 10^{-5} or HI of 1 as the goals for RCRA closures. Even with the reduced COPC lists and reduced (non-default) exposure assumptions, both the soil and groundwater at the site exceed these risk goals. Because it appears the site cannot pass a risk assessment at this time, there may be little need to go through the exercise of revising the risk assessment to address DHWM's requirements.

Parsons ES then asked about the use of standard or site-specific values in risk assessments. Ohio EPA responded that DHWM requires the use of standard defaults assumptions in calculating baseline site risks, although there is a possibility they could conduct a probabalistic risk assessment and provide justification/documentation of the site specific values used. Ohio EPA acknowledged that the amended plan did present some discussion of the defaults chosen, but that more would be necessary. However, some site specific values could be used; Parsons ES requested a list of the assumptions for which site-specific data could be used. Ohio EPA indicated it would see if DHWM's Central Office maintains such a list, and would provide it to Parsons ES if available. Ohio EPA also indicated that in lieu of conducting a full site-specific risk assessment for the unit to see if it would be considered clean, the final revised Closure Plan Review Guidance is expected to contain generic risk standards (GRS) that could be used for comparison. Ohio EPA also clarified that these GRS were calculated for residential exposures assuming a 10^{-5} cancer risk or non-cancer HI of 1. It was explained that these standards are still being reviewed and reworked prior to issuance, but should be available soon.

Some of the other issues discussed included the difference between VAP or CERCLA cleanups and RCRA cleanups, post-closure concerns, and deed restrictions. The deed restriction concept was used by AFBCA to support the use of industrial assumptions in the risk assessment. However, AFBCA was informed that for closures involving contaminated groundwater, deed restrictions (regardless of how comprehensive and restrictive) would not be sufficient to protect possible downstream users of the contaminated groundwater. In addition, because acceptance of the risk assessment and clean levels proposed would essentially be a walk-away situation (no long term monitoring would be required; full release would be granted), there would be no guarantee that the plume would not migrate and contaminate a non-restricted water supply. The situation at Rickenbacker therefore is different than that at the AF 85 plant, where only soil contamination was involved and an industrial scenario risk assessment was accepted in exchange for a deed restriction on that property. Mr. Friedstrom indicated that the Air Force would be (or is currently) restricting the deeds to the various properties transferred to the Port Authority as a matter of policy; this includes prohibiting use of the UWBZ.

Also discussed were the elimination of some wells from the monitoring system and reduction of the parameter list (both requested by AFBCA during the 6/98 CME). Mr. Friedstrom was directed to the refer to the NOD attachment for a discussion of the wells that are acceptable to eliminate; reduction of the parameter list to those contaminants that had been detected and their breakdown products (not the reduced list presented in the amended closure plan) was indicated to be acceptable. Ohio EPA also recommended that AFBCA arrange for installation of the additional well cluster (proposed in the amended closure plan) to complete evaluation of the extent of contamination. Ohio EPA acknowledged that AFBCA had been waiting for feedback on the amended plan before implementing any of its provisions, but recommended this happen ASAP to address the CME report recommendations (and prevent a potential violation when the HWSA is inspected by Ohio EPA in the spring).

Lastly, we discussed the approach to the pending amended closure plan. Since it may take some time for all the parties to investigate alternatives and devise a plan of action, AFBCA asked for sufficient time to respond. It was finally agreed that by the end of February, AFBCA would submit something to Ohio EPA

indicating its preference on how Ohio EPA acts on the pending amended closure plan (either AFBCA withdraws the plan or Ohio EPA issues the NOD formally), and proposing an alternative submittal date of an amended plan if applicable. We also discussed whether submittal of changes to the existing plan would be considered minor changes or actual amendments to the plan. Ohio EPA needed to look into this further, and indicated it would let AFBCA know.

Having discussed all major issues and ensuring no one had any additional questions, the meeting was concluded at ~2:30 PM EST.

Prepared by: Kim Reinbold, 2/16/99

Doug D,
Loren L.

Initials_____

Time_____

CENTRAL DISTRICT OFFICE

Telefax Cover Letter

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Craig Snyder FAX NO.# (303) 831-8208

COMPANY: Parsons ES

FROM: Kim Reinbold, DHWM PH.# (614) 728-3882

OF THE OHIO EPA, CENTRAL DISTRICT OFFICE, FAX NO.# (614) 728-3898

TOTAL NUMBER OF PAGES INCLUDING COVER LETTER: 5

SENDER/SECRETARY NAME:_____

DATE 2/17/99 TIME_____

COMMENTS:

Attached please find meeting notes from our 2/8/99 mtg. w/ AFBCA. Please feel free to contact me if you have any questions or note any errors. Thanks! Kim

We are transmitting from a Sharp Fax FO-5300 following speed: 13 seconds. If you do not receive all of the pages and/or any problems arise during transmission, please use voice request control or pick up the telephone receiver for conversation after the last document that is loaded has been sent. If call back is necessary, please call back as soon as possible.

OFFICE TELEPHONE NUMBER: 1-614-728-3778.

The direct line to telecopier or for automatic or manual transmission purposes: 1-614-728-3898.

ATTACHMENT A

Rickenbacker ANGB; Bldg. 560 HWSA
OH3571924544

General Issues:

1. Page 1-2, Section 1.1.1.2. The number referenced (OHD3571924544) is a U.S. EPA hazardous waste activity identification number, not the number of a U.S. EPA permit. This reference shall be revised to reference this number as an identification number.

2. Page 1-7, 3rd line (after options). "Environmental media" is printed twice. AFBCA shall delete one.

3. Page 1-12, 2nd line. "Overly" shall be replaced with "overlie".

4. Page 2-17, Section 2.3.1. Site access is reported to be limited by base-wide security and fencing. As of July 1998, site access is no longer limited by these base-wide controls. The only control currently on the HWSA is the fence around the HWSA. AFBCA must revise this section to include current information on site controls.

5. Page 3-13, Section 3.2.1.1. The last sentence states that the tank used to store decontamination liquids was managed in accordance with all applicable hazardous waste requirements in OAC Rules 3745-66-90 through 991 until analytical results for the rinse water were received. The skid mounted tank (deemed a temporary holding tank on Page 3-15) that was used to accumulate the rinse water was never evaluated to determine if applicable standards were met, and there is also a question of whether the device that was used meets the definition of a tank or a container. Because the statement may be inaccurate or non-applicable, AFBCA shall delete the last sentence in Section 3.2.1.1..

6. Page 3.16, Section 3.2.1.3. The closure plan indicates that because no constituents were detected above the rinseate "clean" standards, the containerized rinse water was not required to be managed as a listed hazardous waste. Rinseate standards are used only to determine if a medium has been sufficienetly decontaminated, not to determine if a waste is a hazardous waste. A review of the analytical data presented for the wastewater in the 5/96 decontamination report (sample number RK-B560-WTK) indicates that at least one constituent was detected in the rinse water that may have been associated with the listed waste (F005) stored in Building 560 (i.e. toluene at 0.7 ug/l). Because the rinse water may have contained a listed waste, the statement that the wastewater was not a listed waste may be inaccurate, and must be deleted. It is noted that the wastewater was properly disposed by discharging the material to the city of Columbus sanitary sewer.

7. Page 4-13, Section 4.1.2.2., 3rd line. "site" shall be replaced with "side".

8. Pages 4-28 and 4-29 (Figure 4.5.). According to Table 4.9, mercury was found in MW-105D (0.32 ug/l), MW-3 (0.24 ug/l), and MW-8 (0.26 ug/l); dissolved mercury was found in MW-104D (0.77 ug/l). This information was not presented on Figure 4.5 or in the narrative discussion on Page 4-30, but it was included in the statistical analysis information included in Table E.5 in Appendix E. Other metals for which detections occurred (not represented on Figure 4.5) include aluminum, barium, copper, selenium, silver, and zinc. The last sentence on Page 4-26 indicates that Figure 4.5 shows elevated inorganic concentrations only. AFBCA shall revise either Figure 4.5 to show all metals that were positively identified and quantified on Table 4.9, or narratively define what it means by "elevated inorganic concentrations" (including the rationale for excluding the aforementioned metals from Figure 4.5.).

FEB-04 99 14:11 FROM:OHIO EPA CDO 614-728-3898 TO:3038318208 303 PAGE:003

9. Page 6-5, Page 6.3.1. and Figure 6.1 (Page 6-3). The first sentence of the narrative indicates that 20 wells or points will be used to conduct quarterly monitoring at the site. The second paragraph states that in addition to the 18 wells/points used to define extent of contamination, five additional wells would be installed/converted (total of 23 wells). A review of the wells detailed on Figure 6.1. depicts 21 well points, including the new downgradient well cluster and conversion of three monitoring points to wells. AFBCA must evaluate these discrepancies and correct the narrative in this section and/or Figure 6.1. to be consistent.

10. Pages 6-5 and 6-6 and Table 6.1. Table 6.1. presents the list of groundwater parameters proposed to be sampled during the 8 quarters of compliance monitoring. This list represents only those contaminants left after the complete list of detected compounds was reduced using comparison to PRGs. As detailed below, Ohio EPA does not allow removal of chemicals from consideration based on this process. AFBCA must conduct compliance groundwater monitoring for all chemicals that have been detected in groundwater at the site, and any potential breakdown products of these chemicals, that are attributable to the HWSA operations.

11. Appendix D presents lithologic and well construction data for the site, but for MW-4, MW-5, and MW-6, no well construction details have been presented in the amended closure plan. No lithologic or well construction information is presented for MW-101S through MW-106D (10 wells); Ohio EPA has been informed that the well log sheets may have been lost for these new wells but that most of the information has been reconstructed from filed notes (see CME report, June 1998, Page 4, Recommendation #3). AFBCA must provide this information in the amended closure plan for all wells that will be retained in the ground water monitoring system for the site.

12. Although not proposed in the amended closure plan, Ohio EPA, AFBCA, and AFBCA's consultants discussed AFBCA's proposal to eliminate six wells from the revised ground water monitoring system during the meeting of May 28, 1998. Wells proposed for elimination include ESMP-12S, MW-4, MW-104D, MW-12, MW-101S, and MW-101D. Elimination of MW-104D and MW-12 is acceptable to Ohio EPA. Elimination of MW-101S and MW-101D will be acceptable once the additional down-gradient well cluster is installed; AFBCA is reminded that this installation should occur as expeditiously as practicable (see the June 1998 CME report, Page 4, Recommendation #2). For ESMP-12S, which as detailed in the amended closure plan was scheduled to be converted to a permanent monitoring well, eliminating this point from the revised monitoring system is acceptable so long as the 1,2-DCA contamination that was recently found in this monitoring point has been addressed under another IRP investigation/cleanup at the Rickenbacker ANGB (under Ohio EPA/DERR oversight). DDAGW has suggested that MW-4 be retained, and MW-4 and MW-8 resampled periodically to determine if and when the upgradient source (which may be present at ESMP-12A) has impacted and combined with the plume associated with the RCRA site.

13. The amended closure plan does not designate any wells as background wells. DDAGW indicates that MW-4 and MW-11 appear to be suitably located for this purpose. This is an issue because metals have been included in the list of contaminants of concern in the amended closure plan (see June 1998 CME Report, Page 4, Recommendation #1). The previously approved closure plan did not consider metals because metals contamination was thought to have resulted from ash fallout from the coal burning power plant. If AFBCA re-evaluates the issue and decides to retain metals on their list of parameters, background wells must be designated in the amended closure plan.

FEB-04 99 14:11 FROM:OHIO EPA CDO 614-728-3898 TO:3038318208 303 PAGE:004

Risk Assessment Issues:

14. Section 5.1., Soil and groundwater COPC identification. In a multi-stage screening process, soil and groundwater chemicals of concern were determined. First, maximum concentrations for numerous constituents were compared to the 95% UCL on the mean background concentration for each constituent (Tables 5.1 & 5.4). Second, the remaining constituents (for which site concentrations were above 95% background UCL concentrations) were compared to conservative, non site-specific, health based PRGs developed using an industrial scenario assumption. In this step soil maximum data was compared to calculated PRGs (Table 5.2), while for groundwater 95% UCLs were calculated for site data and compared to calculated PRGs (Table 5.4). The third step (soils only) involved developing 95% UCLs for the remaining constituents (still exceeding PRGs), and comparing the 95% UCLs to the non site-specific PRGs. For soils, seven COPCs were left after the final screening step (Table 5.3); these COPCs were used to calculate the baseline risk currently presented by the site soils. For groundwater, twelve COPCs were left after comparing parameter specific PRGs with 95% UCLs for site data; these COPCs were used to calculated the baseline risk currently presented by the site groundwater. Ohio EPA's concerns about this process and data used are as follows:

    a. Inorganic background data. The background data reported for both soil and groundwater at the site referenced IT Corp.'s Draft Remedial Investigation (RI), Phase 2 dated 1/97 as the source of the information. However, a review of the background data presented in the Draft RI, Phase 2 document reveals that different (higher) background concentrations are used for the CERCLA sites at the Rickenbacker ANGB than are being used for the RCRA unit undergoing closure. Research into the issue revealed that for the CERCLA sites, the RI report indicates (and Ohio EPA/DERR has allowed), that 95% UTLs, or 95% upper confidence limits of the upper 95% quartile of the background data were used; however, the amended closure plan correctly used the 95% UCLs on the mean for the same data set (as required by Ohio EPA/DHWM). Because the draft RI, Phase 2 report does not present the UCL numbers used in the risk assessment, the source citation must be revised on Tables 5.1, 5.4, E.1, and E.2. to indicate the actual source of the soil and groundwater background data.

    b. Table E.3, Appendix E. The maximum detected values for chromium and vinyl chloride in soil were listed as 25.6 and 0.0013 mg/kg, respectively. However, higher values for both constituents were found in the site data presented in Appendix B. For chromium, 28.6 mg/kg was reported in Appendix B on Page 43 (in MW10-SS1; this result was "J" qualified, and Ohio EPA requires use of these values). For vinyl chloride, .059 mg/kg was reported in Appendix B on Page A-39 (in MW6-SS3). Tables E-3, 5.1, and 5.2 must be updated to include the true maximum data.

    c. Appendix B-1. No information was presented in the closure plan regarding the data qualifiers used in these tables. Since the same data qualifiers may be used to indicate different data issues, AFBCA must present the definitions of the data qualifiers used in these tables in the closure plan.

    d. Page 5-5; Appendix F., PRG calculations and use in screening. Ohio EPA does not allow the removal of contaminants from evaluation in a site-specific risk assessment by screening the site confirmation values against generic, parameter-specific PRGs. Although it would stand to reason that contaminants present at levels below conservative PRGs would not present any appreciable risk, they must still be included in the risk calculations for the site to account for

FEB-04 99 14:11 FROM:OHIO EPA CDO 614-728-3898 TO:3038318208 303 PAGE:005

additivity between chemicals and exposure pathways. Ninety-five percent UCLs for each contaminant that is attributable to wastes managed at the site need to be calculated and used to develop intake or administered dose concentrations for use in these calculations. In the event that 95% UCLs cannot be calculated, it is acceptable (although conservative) to use maximum values. In calculating total (additive) site risks, AFBCA must perform forward risk calculations for every contaminant with a 95% UCL concentration exceeding the 95% UCL background concentration (inorganics) or with a 95% UCL concentration exceeding parameter-specific method detection limits (organics). The following comments on Appendix F, Tables A and B, regarding PRGs are provided in the event AFBCA decides to use this data in determining target constituents for any future cleanup activities.

1. The units provided for SFo, SFd, and IUR appear to be reversed and shall be restated as mg/kg-day (for both SFo and SFd) and ug/m^3 for IUR. This error occurs in the tables in Appendices F, G, and H.

2. Table A. Both soil PRG equations include adult body weight (BWA) in the denominator. The PRG calculations presented in RAGS Part B (U.S. EPA, December 1991) Pages 27 and 28 do not include this factor. As a result, calculated PRGs are two orders of magnitude lower than they should be. AFBCA should evaluate these formulas and recalculate the PRGs for site contaminants.

3. Tables A and B. The target risk levels (TR) and target hazard quotients (THQ) were indicated to be 1.00E-5 and 1, respectively. In the PRG calculations for carcinogens, the TR was equally apportioned among all cancer-causing contaminants by dividing 1.00E-5 by the number of carcinogens; this is necessary to account for additive risks presented by all site carcinogens (although the number of carcinogens was not specifically identified and should have been). However, in the PRG formulas for non-carcinogens, no apportioning occurred, and all contaminants were assigned a THQ of 1. As a result, the PRGs that were calculated may be at levels exceeding a total HI of 1 when forward risk calculations are performed and summed to account for additivity. AFBCA should evaluate the non-carcinogenic PRG formulas and recalculate the PRGs for site contaminants.

4. Table B. The PRG calculations for groundwater included the dermal contact and oral ingestion pathways, but neither included the inhalation pathway. The formulas presented in RAGS, Part B (U.S. EPA, December 1991) include the inhalation and oral ingestion pathways but not the dermal exposure pathway; residential calculations are used for this purpose even if an industrial scenario is assumed (RAGS, Part B, Page 24). AFBCA should evaluate all potential exposure pathways when developing PRGs, so these formulas must be revised and new PRGs calculated to account for all applicable pathways.

5. Oral absorption factors (OABS) that were used to convert oral slope factors to dermal slope factors were not included in the information presented, therefore Ohio EPA cannot determine if the conversions confirm to currently accepted methods. AFBCA should provide a column in Table A that provides these factors.

e. Appendix E., Table E.4. UCL calculations for site contaminants in soil and groundwater. The following issues were discovered upon review of this information:

1. Data distributions were listed in Tables E.1, E.2, E.4, and E.5, and a narrative description of the distributional analyses that were used was provided at the end of Appendix E. In order to confirm the accuracy of the data distributions identified in this table, all data distribution plots must be included in the amended closure plan.

2. Table E.4, Footnote 1. indicates the data points used in the calculation of the UCLs were from samples collected within the HWSA fence and within 5 to 10 feet outside the fence. No description of the soil sample data points that were excluded from the statistical analysis was provided, and there appears to be significantly more sample data available than was used to develop site UCLs. As a result, Ohio EPA cannot verify that the soil contaminant UCLs have been properly calculated in Table E.4, Appendix E. In the amended closure plan, AFBCA must, either narratively or in tabular form, present a description of the soil samples that were excluded from the UCL analysis and a rationale for elimination of those sample point results from the UCL calculations.

3. Appendix E, Rickenbacker Statistical Analyses. The second page details the formula that was used to calculate 95% UCLs for soil and ground water confirmation data sets. This formula was the same regardless of whether the data set is normally or lognormally distributed. However, in the Supplemental Guidance to RAGS: Calculating the Concentration Term (U.S. EPA, May 1992; Appendix F of Ohio EPA's 1993 risk assessment guidance) two formulas are presented. One (Highlight 5) is used to develop UCLs from data that is lognormally distributed, and the other (Highlight 6) is used for normally distributed data; the formula for normally distributed data uses the t-statistic, while the formula for lognormally distributed data uses an H-statistic. As a result, although some or the soil and groundwater data was indicated to be lognormally distributed, UCLs were calculated for those contaminants using the formula for normally distributed data. In the amended closure plan, AFBCA must use the appropriate UCL formula as dictated by the distribution of the data set.

4. Appendix E. Rickenbacker Statistical Analyses. Much of the soil and groundwater data was neither normally or lognormally distributed, so UCLs were developed using a non-parametric method described in Rice, 1995. Very little detail was provided on this method. In the amended closure plan, AFBCA must provide detailed information and supporting documentation on the methods used to develop 95% UCLs for non-parametrically distributed data sets.

15. Sections 5.2. and 5.3, Appendix G; Exposure assessment and quantification of exposure. Current and future soil exposures were calculated for three routes of exposure (ingestion, inhalation of particulates, and dermal contact) to four types of exposed populations, including two types of intrusive construction workers, on-site groundskeepers, and hypothetical non-intrusive on-site workers. Current groundwater exposures were not calculated since the current pathway was considered incomplete, but future groundwater exposures were calculated for the dermal contact exposure route (only) for the two types of intrusive construction workers; future off-site receptor risks to contaminated groundwater were not considered. Most intake calculations were performed using standard default values, but some site-

specific exposure values have been used. Ohio EPA has concerns with the following aspects of AFBCA's approach:

a. Exposure frequencies (EF) and exposure durations (ED) were limited to site-specific values for all receptor populations except the hypothetical on-site non-intrusive worker. In Ohio EPA's 1993 Guidance for Reviewing Risk-Based Closure Plans for RCRA Units, Page 6, DHWM requires that standard exposure assumptions be used to establish health-based clean standards. Page 11 of this guidance references the preference for use of site-specific values, but communication with DHWM's lead risk assessor indicates that the statement on Page 11 deals with site-specific values such as fraction of organic carbon for calculating VF's for use in inhalation intake calculations, but substitute values for all standard default exposure assumptions are not being accepted at this time. As such, AFBCA must present all intake calculations for the site using standard default values. However, the uncertainties caused by use of standard defaults may be evaluated using a probablistic risk assessment (PRA), as long as exposure ranges used in this type of evaluation are supported with data. AFBCA has provided some basis for site-specific values used in its intake calculations in Appendix G-2, but a PRA has not been conducted. AFBCA may choose to amend its closure plan to include PRA information.

b. In the dermal contact with groundwater calculations in Appendix G, the factor DA has not been defined. It also appears that the permeability constants and exposure time factors have been omitted from the formula. Other problems include the definition of chemical concentration as the concentration in soil (although groundwater concentrations should have been used) and the apparent omission of the concentration term from the HQ and CR calculations. AFBCA must evaluate these formulas and recalculate the dermal exposure to groundwater risks using standard absorbed dose formulas and defaults.

c. The formulas for inhalation of particulates from soil is accurate since the only chemicals evaluated are SVOCs and metals. However, the VOC contaminants should have also been evaluated in this analysis. For any VOC parameter with a Henry's Law constant of $\geq$1.0E-5 atm-m3/mol and a molecular weight of less than 200 g/mol, an additional factor of 1/VF must be included when determining the modeled concentration of the contaminants in air resulting from VOC contamination in the soil.

d. Page 5-20. Tresspassers were not considered exposed populations for the purpose of this risk assessment; rationale for this included the lack of attractants on the site and institutional and physical controls (controlled base access and fencing of the HWSA). However, since overall access to the Rickenbacker ANGB is no longer controlled, this statement may no longer be correct. AFBCA should revise this statement in the closure plan to be consistant with current base conditions. It is noted that forward risk calculations using standard exposure assumptions do not distinguish between type of exposed population, so exclusion of this population in the risk assessment would not be an issue.

e. Page 5-26, 1st paragraph. The plan states here that short-term or acute exposures have not been evaluated in the risk assessment. However, sub-chronic exposures (less than 7 years) have been assumed for all but the hypothetical non-intrusive worker, and chronic toxicity data was used even when sub-chronic exposures were assumed. AFBCA must revise this paragraph to reflect the type of evaluation that was actually performed.

FEB-04 99 14:12 FROM:OHIO EPA CDO 614-728-3898 TO:3038318208 303 PAGE: 08

f. The groundwater pathway has only been evaluated for future intrusive worker scenarios using site-specific (reduced) exposure assumptions; no current use or future off-site receptors were considered because shallow groundwater is not currently used for potable purposes, and the amended closure plan proposes a deed restriction to disallow use of shallow groundwater above 40 feet bgs in the future. The conceptual model for the groundwater at the site (based on information presented in Section 2 of the amended closure plan) assumes the upper water bearing zone (UWBZ) to be locally continuous but not laterally continuous. A stiff gray clay is present base-wide from 18 to 25 feet bgs, and this clay reportedly acts as a barrier to vertical migration to the intermediate aquifer, which itself has been used for on-base production wells. DDAGW has reviewed this issue for the RCRA site, and has also researched the issue for the CERCLA sites at the base by extensively reviewing Rickenbacker's UWBZ investigation report (February 1996) and well logs from the village of Lockbourne and surrounding the base. DDAGW's conclusions are as follows:

1. Complex lithologic relationships observed in the wells within the village of Lockbourne are typical of a braided stream environment where numerous small channels migrate laterally, interconnect with, and erode each other. Historically, shallow residential wells within the village of Lockbourne have been located in the shallow sand and gravel units at the depth of the UWBZ. One such well had a depth of 30 feet and a pumping rate of 4 gpm. Within the village of Lockbourne, the gray clay separating the UWBZ from the intermediate aquifer is less than one foot thick in some wells and completely absent in others. This would lead to the conclusion that, at least within the village, shallower sand and gravel units are hydraulically connected to deeper sand and gravel units. Given these interconnections in the village, DDAGW is concerned that such interconnections may be present on the base. Well logs from residential wells in Lockbourne and residences to the south and southeast of the base show a shallow sand lens separated from an underlying thicker sand and gravel lens by a clay layer. The presence of this lithologic sequence off-site and in a large number of the deeper on-base wells indicates that the UWBZ is more extensive and less isolated than previously indicated, and that occasional interconnections may be present in univestigated areas.

2. Although AFBCA is proposing a deed restriction to restrict use of UWBZ groundwater at the HWSA, this restriction will not be present base-wide, especially down-gradient of the HWSA. Therefore, the deed restriction would not affect whether the UWBZ beneath the base is considered a potential source of drinking water. Unless AFBCA can demonstrate that the groundwater at the site does not constitute a potential drinking water source, AFBCA must evaluate all potential groundwater exposure pathways (beyond just dermal) in evaluating current risks presented by site groundwater contamination. DDAGW, based on its research, believes the UWBZ should be considered a potential source of drinking water; for the CERCLA sites DDAGW has also required evaluation of site groundwater as a potential drinking water source.

16. Section 5.5. Risk Characterization. Table 5.6 and Page 5-31, 1st paragraph. Using Ohio EPA's Director's memo of 1995 as a reference, AFBCA has indicated that cumulative risks slightly exceeding the risk goal of 10^{-5} are acceptable for industrial sites so long as off-site exposures are less than 10^{-5}. While this may be true for VAP or CERCLA sites being addressed by Ohio EPA, DHWM requires RCRA sites exceeding a cumulative cancer risk 10^{-5} be remediated or closed as landfills regardless of use

scenario. Even with the calculations reduced to include just those parameters above calculated PRGs (several other chemicals present at the site may add to the overall risk), two exposure scenarios have cumulative risks greater than 10^{-5} (intrusive construction worker at 1.35E-05 and hypothetical non-intrusive worker at 9.05 E-05). It was noted that the calculation for the non-intrusive worker was the only one where standard exposure assumptions were used, and that evaluation of this scenario did not include the groundwater pathway. Even with the problems noted, the carcinogenic risks presented by the HWSA currently exceed the 10^{-5} limit; therefore the site is not considered clean to risk based standards and additional remediation or provisions for landfill closure must be investigated.

17. Section 5.7. Site-Specific Target Levels.

a. Using the reduced parameter list generated in the PRG screening process, AFBCA has calculated site-specific target levels for groundwater at the site using modified PRG formulas; these formulas only account for dermal exposures. As detailed previously, all potential exposure routes and known contaminants (regardless of level) must be considered when establishing preliminary remediation goals. It should be noted that PRGs or site-specific target levels are only accepted by Ohio EPA in an overall evaluation of remediation needs. Once site specific target levels are thought to have been achieved, it must be demonstrated through forward risk calculations using current site data and conservative exposure assumptions that the remaining site contaminants do not pose a cumulative risk above a HI of 1 and a cancer risk of 10^{-5}. Currently, even though comparison of site levels to calculated SSTLs indicates that no groundwater contaminant exists above the SSTL, the forward risk calculations that were performed using the reduced parameter list and modified (reduced) exposure assumptions demonstrate that the site soil and groundwater at the site are currently not meeting the risk goal for carcinogens. Presumably, correction of the forward risk calculations to include all parameters and standard (conservative) exposure assumptions would only increase the risk and further increase the level at which the site is currently failing the risk assessment.

b. Ohio EPA has noted that many of the calculated groundwater SSTLs exceed drinking water MCLs by up to four orders of magnitude. For RCRA sites, Ohio EPA has not accepted risk-based exposure limits in concentrations above MCLs. Currently, risk-based clean standards for groundwater cannot exceed MCLs, even if there is no existing or planned use of the groundwater for potable purposes, unless the groundwater is demonstrated to not be a potential drinking water supply (see the June 16, 1998 Ohio EPA IOC on the subject, attached). However, if AFBCA chooses to gather data in an attempt to demonstrate that the UWBZ is not a potential drinking water supply, guidance is provided in Ohio EPA/DDAGW's guidance #DDAWG-03-03-400, also attached. Please note that to date VAP groundwater definitions cannot be applied in RCRA closure plans.

Additional Comments:

18. Consultants for the Rickenbacker Port Authority (RPA) have reviewed the amended closure plan, and have informally provided comments to Ohio EPA (DERR and DHWM). Many of the comments have matched Ohio EPA/DHWM's concerns and are reflected in the preceding deficiencies. The following are the additional concerns expressed on behalf of the RPA:

a. The HWSA and surrounding areas are scheduled to be converted to airside support/cargo

facilities. Some of these structures, including the taxiway (especially if it is necessary to design it to meet landfill cap requirements), may be constructed with underdrain systems due to shallow depth to water in some areas (≤ 3 feet). AFBCA should provide details on how the water from the potential underdrain systems will be handled.

b. AFBCA recognizes that the groundwater contamination is migrating from the HWSA, but states that it will not move off-base. On Page 6-7, 1st paragraph it states that the Rickenbacker ANGB boundary (Hanger Ave.). This description is too vague, and is a concern to the Rickenbacker Port Authority because it has leased all excess military property on the base except for environmental sites. This will also be an issue if a deed restriction is considered for the site, since the boundaries of the unit will be defined by the extent of the plume of contamination.

c. Because the contaminant migration is approaching Hanger Ave. (as of June 1997 the plume was within 100 feet of Hanger Ave.), the RPA is concerned with the possibility of discharges of contaminated groundwater to the stormwater collection pipe running along the western and southern edges of the road. RPA is responsible for permitting the stormwater system, and is requesting confirmation that the groundwater will not be released to the stormwater pipe. In the event that the groundwater does have the potential to discharge to the stormwater pipe, the RPA requests that monitoring continue beyond 8 quarters on the downgradient side of the plume to ensure contaminants are not being discharged to the RPA permitted stormwater system.

19. Pages 6-13 and 6-14, Sections 6.8.2, 6.8.3, and 6.8.4. It is noted that the stated compliance with these post-closure requirements (various filings) will only be necessary in the event that the site must be closed as a landfill (if risk-based clean standards cannot be achieved and the contingent provisions in Section 6.5. must be implemented). AFBCA is reminded to keep this information in the amended closure plan until such time as risk-based clean standards (acceptable to Ohio EPA) are achieved.

20. Information on a proposed deed restriction was presented in Section 6.8.3; example deed restriction language was presented in Appendix A-2. The deed restrictions, as proposed by AFBCA, demonstrate its intent to ensure that the property that formerly housed the HWSA (proposed for decontamination only to non-residential risk-based standards) remains industrial. While Ohio EPA allows the use of industrial scenarios and deed restrictions when site soils are contaminated, only residential assumptions are allowed for contaminated groundwater (i.e. deed restrictions cannot be applied to the groundwater, which at the HWSA has been shown to be migrating away from the unit). Ohio EPA has provided some procedural and language recommendations for AFBCA to consider for inclusion in the closure plan and propsed deed restriction (Attachment B) in the event site groundwater meets residential cleanup standards but the soils only meet industrial cleanup standards. AFBCA should contact Ohio EPA legal staff if it has additional questions regarding deed restrictions.

FEB-04 99 14:15 FROM:OHIO EPA CDO 614-728-3898 TO:3038318208 303 PAGE:3

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INTEROFFICE COMMUNICATION

TO: Ed Lim, Manager, DHWM-CO

FROM: Jeff Parke, Manager, DDAGW-CO

SUBJECT: Use of MCLs When Risk-Based Numbers Exceed MCLs

DATE: June 16, 1998

This is in response to your request for DDAGW's position on whether owners/operators conducting closures at RCRA-regulated hazardous waste facilities should be allowed to meet risk-based numbers when they are above MCLs. After discussions within our Division, we continue to support DHWM's present approach of applying MCLs when risk-based numbers exceed MCLs, even if there is no existing or planned use of the ground water for a public water supply. An exception would be when the ground water is not a potential drinking water supply. In this situation, we do not see a problem with risk-based numbers that are higher than MCLs.

One reason for our support of the current approach for drinking water aquifers is that MCLs are the standards that are employed to determine the safety of a public water supply. Given that more than 95% of Ohioans obtain their water from a public water system and approximately 80% of Ohio's community water systems and 99% of non-community water systems utilize ground water, we believe that use of ground water for a public water supply is a circumstance that has to be addressed by DHWM closure standards. Key to our position is that clean closure certification allows an owner/operator to essentially walk away from a property with no further obligations. If ground water that had been determined to be clean by DHWM under a closure is being used or were to be used for a public water supply, DDAGW may be put in a situation of citing non-compliance for contamination that had already been ruled safe by another Agency program.

Another reason that we support the present approach for drinking water aquifers is that it contributes to consistency in the human potable ground water use standards that are employed within the Agency. By using MCLs as a ceiling (remedial values can be no greater), DHWM is in concert with these Ohio EPA programs:

- DERR-Interim Action: MCLs are used as a ceiling; remedial values can be no greater than MCLs.
- DERR-Remedial Response Program: DERR follows the NCP approach of setting MCLs as the clean-up standard, except when cumulative effects cause risk to exceed the acceptable risk range.

- DDAGW-UIC: MCLs are used as a ceiling; remedial values can be no greater than MCLs. Note that these are the same standards that apply to Class IV injection wells under the SDWA.

- DSIWM: MCLs are specified concentration limits when available. Concentration limits are risk-based or background for parameters without MCLs.

Additionally, MCLs are used exclusively under DERR's Voluntary Action Program when they are available, although site-specific risk assessments could lead to standards above MCLs. To date, VAP has not encountered a standard above MCLs.

Given that clean-up standards in all programs will be getting a close look by the WASTEAM, we recommend against changing from the current approach for drinking water aquifers at this time, especially any changes that might result in less Agency consistency and coordination. DHWM should continue to use MCLs when risk-based numbers are above MCLs. If DHWM decides to address this issue in a way that requires distinguishing drinking water aquifers from non-drinking water zones, we would like to discuss with you the possibilities for implementation. Options would appear to include using the DHWM definition of "aquifer", the VAP ground water classification system, or the SDWA's USDW definition (UIC portion of Act).

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LINNEA SAUKKO CDO

PROPOSED

SUBJECT: APPLICABILITY AND SCOPE OF GROUND WATER MONITORING REQUIREMENTS UNDER HAZARDOUS WASTE INTERIM STATUS REGULATIONS [OAC RULE 3745-65-90(A), (B), (C) & (E)]

NUMBER: DDAGW- 03-03-400
ISSUED: 1/25/94
REVISED:
PAGE 1 OF 7

PURPOSE: To provide clarification and interpretation regarding the type of interim status hazardous waste management units subject to ground water monitoring requirements, the applicability and scope of the ground water monitoring regulations and the exemption and waiver provisions provided within Ohio Administrative Code (OAC) Rule 3745-65-90.

BACKGROUND: Ohio's hazardous waste regulations require an owner/operator of surface impoundment, landfill, or land treatment facilities to implement a ground water monitoring program capable of determining the facility's effect on the quality of ground water in the uppermost aquifer. The ground water monitoring system must be installed, operated, and maintained during the active life of the facility and during the post-closure care period if necessary. Ohio's hazardous waste regulations allow owners/operators to apply for a waiver of all or part of the ground water monitoring rules specified in rules 3745-65-90 through 3745-65-94 of the OAC if a demonstration can be developed to the Director's satisfaction that there is a low potential for the migration of hazardous waste or hazardous waste constituents from the waste management unit to the uppermost aquifer. The owner/operator of a surface impoundment used to neutralize wastes that are hazardous solely because they exhibit the corrosivity characteristic and contain no other hazardous waste may apply for a waiver of the ground water monitoring rules in accordance with OAC Rules 3745-65-90 through 3745-65-94. The application must include a demonstration that documents that there is no potential for migration of hazardous wastes from the impoundment.

OAC Rule 3745-65-90(A) specifies the following:

> Before November 19, 1981, the owner or operator of a surface impoundment, landfill, or land treatment facility which is used to manage hazardous waste shall implement a ground water monitoring program capable of determining the facility's impact on the quality of ground water in the uppermost aquifer underlying the facility, except as Rule 3745-65-01 of the Administrative Code and paragraph (C) of this rule provide otherwise.

OAC Rule 3745-65-90(B) specifies the following:

> Except as paragraphs (C) and (D) of the this rule provide otherwise, the owner or operator shall install, operate, and maintain a ground water monitoring system which meets the requirements of Rule 3745-65-91 of the Administrative Code and shall comply with Rules 3745-65-92 to 3745-65-94 of the Administrative Code. This ground water monitoring program shall be carried out during the active life of the facility, and for disposal facilities, during the post-closure care period as well.

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OAC Rule 3745-65-90(C) specifies the following:

All or part of the ground water monitoring requirements of Rules 3745-65-90 through 3745-65-94 of the Administrative Code may be waived if the owner or operator can satisfactorily demonstrate that there is a low potential for migration of hazardous waste or hazardous waste constituents from the facility via the uppermost aquifer to water supply wells (domestic, industrial, or agricultural) or to surface water. This demonstration shall be in writing, submitted to the director, and if approved, shall be kept at the facility. This demonstration shall be certified by a qualified geologist or geotechnical engineer and shall establish the following:

(1) The potential for migration of hazardous waste or hazardous waste constituents from the facility to the uppermost aquifer, by an evaluation of:

(a) A water balance of precipitation, evapotranspiration, run-off, and infiltration; and
(b) Unsaturated zone characteristics (i.e., geologic materials, physical properties, and depth to ground water); and

(2) The potential for hazardous waste or hazardous waste constituents which enter the uppermost aquifer to migrate to a water supply well or surface water, by an evaluation of:

(a) Saturated zone characteristics (i.e., geologic material, physical properties, and rate of ground water flow); and
(b) The proximity of the facility to water supply wells or surface water.

OAC Rule 3745-65-90(E) specifies the following:

The ground water monitoring requirements of Rules 3745-65-90 to 3745-65-94 of the Administrative Code may be waived with respect to any surface impoundment that is used to neutralize wastes which are hazardous solely because they exhibit the corrosivity characteristic under Rule 3745-51-22 of the Administrative Code or are listed as hazardous wastes in Rules 3745-51-30 to 3745-51-33 of the Administrative Code only for this reason; and contains no other hazardous waste, if the owner can demonstrate that there is no potential for migration of hazardous wastes from the impoundment. The demonstration must establish, based upon consideration of the characteristics of the wastes and the impoundment, that the corrosive wastes will be neutralized before they no longer meet the corrosivity characteristic before they can migrate out of the impoundment. The demonstration must be in writing and must be certified by a qualified professional.

This policy will clarify Ohio EPA's interpretation of certain portions of OAC Rules 3745-65-90(A), (B), (C) and (E). Specifically, the policy will address the following issues:

1. What types of hazardous waste management units are subject to ground water monitoring requirements?

2. What is required of a ground water monitoring program to ensure that it is capable of determining a facilities impact on the quality of ground water?

3. What are the ground water monitoring exemption and waiver provisions available within the interim status hazardous waste regulations?

4. How is the term "uppermost aquifer" interpreted? and

5. What is meant by the, "ground water program shall be carried out during the active life of the facility and for disposal facilities, during the post-closure care period"?

POLICY:

1. What type of hazardous waste units are subject to ground water monitoring requirements?

All hazardous waste management units classified as surface impoundments (OAC Rules 3745-67-20 through 3745-67-30), land treatment units (OAC Rule 3745-67-70 through 3745-67-82), and landfills (OAC Rules 3745-68-01 through 3745-68-16) are subject to ground water monitoring requirements except as provided for in OAC Rule 3745-65-01. Interim Status hazardous waste management units classified as waste piles (OAC Rules 3745-67-50 through 3745-67-58) that are used for treatment or storage of hazardous waste are <u>not</u> subject to ground water monitoring requirements in accordance with OAC Rule 3745-65-90(A) during the active life of the unit.

2. What is required of a ground water monitoring program to ensure that it is capable of determining a facility's impact on the quality of ground water?

To determine a facility's impact on the quality of ground water under OAC 3745-65-90(A), the regulations establish a two-stage ground water monitoring program designed to detect and characterize the migration of any hazardous waste or hazardous waste constituents that escape from a facility's operating unit.

Detection monitoring, the first stage, is performed to determine whether operations of the hazardous waste management unit have affected the underlying uppermost aquifer in quantities to cause a statistically significant change in ground water quality. Assessment monitoring, the second stage, is designed to respond to statistically significant changes in ground water quality and requires owner/operators to define the concentration, rate of migration and extent of contamination of hazardous waste or hazardous waste constituents in ground water as associated with the operations of the hazardous waste management unit.

Ohio EPA interprets OAC Rule 3745-65-90(A) to require owner/operators to collect samples from the appropriate ground water monitoring program that are representative of in-situ ground water quality. The OAC Rule 3745-65-90(A) also requires installation of a ground water monitoring well system capable of determining the facility's effect on the quality of the ground water in the uppermost aquifer underlying the facility. The owner or operator should design this monitoring system with a sufficient knowledge of the hydrogeologic conditions present beneath and within the immediate vicinity of a facility's hazardous waste management unit.

Ohio EPA often cites this authority when (1) it is discovered that the methods and procedures utilized do not allow for the collection of representative ground water samples; or (2) when owners or operators do not consider the hydrogeologic conditions thoroughly enough to allow for the installation of a ground water monitoring system that is capable of detecting or assessing contaminant releases from a hazardous waste management unit to the uppermost aquifer.

3. What are the ground water monitoring exemption and waiver provisions available within the interim status hazardous waste regulations?

Ground water monitoring waiver provisions for all hazardous waste treatment, storage, and disposal units subject to ground water monitoring requirements are contained in OAC Rule 3745-65-90(C). An owner or operator must submit to the Director his/her demonstration that there is a low potential for hazardous waste or hazardous waste constituents to migrate from the unit to the uppermost aquifer. This demonstration must be certified by a qualified geologist or geotechnical engineer and is acceptable only if approved by the Director.

In addition, ground water monitoring may not be required for a hazardous waste surface impoundment that is used solely to neutralize waste if the waste is considered hazardous solely because it exhibits the corrosivity characteristic as specified in OAC Rule 3745-65-90(E), provided that the requirements specified in the rule are satisfied. An owner or operator must submit documentation of the demonstration that there is no potential for waste to migrate out of the surface impoundment.

4. How is the term "uppermost aquifer" interpreted?

To provide an adequate interpretation of the term "uppermost aquifer", an interpretation of the definition of the term "aquifer" must also be addressed. The terms "aquifer" and "uppermost aquifer" are defined under OAC Rule 3745-50-10(A)(8) and 3745-50-10(A)(122), respectively. The responsibility of properly identifying an "aquifer" lies with the owner or operator of the hazardous waste management unit. In doing so, the owner or operator is required to provide a complete hydrogeologic evaluation and adequate justification for the identification of the aquifer(s) and the uppermost aquifer present within the vicinity of the facility.

The term "aquifer" means a geologic formation, group of formations, or part of a formation capable of yielding a significant amount of ground water to wells or springs.

The term "uppermost aquifer" means the geologic formation nearest the natural ground surface that is an aquifer, as well as lower aquifers that are hydraulically interconnected with this aquifer within the facility's property boundary. Ohio EPA's interpretations of these terms in relation to the hazardous waste interim status ground water monitoring regulations (OAC Rules 3745-65-90 through 3745-65-94) are presented in the following two sections.

Aquifer

The definition of "aquifer" contains two important phrases. The first phrase is .."geologic formation, group of formations, or part of a formation..." and the second phrase is "capable of yielding a significant amount..." Neither of these phrases is defined in relevant state or federal regulations, which leaves the meaning ambiguous. As a result, technical and professional judgement of qualified individuals must be relied upon to determine, on a site-specific basis, the appropriate "aquifer" subject to regulation and monitoring requirements. To clarify the ambiguities that may be associated with the definition of the term "aquifer", the Ohio EPA has developed policy to assist in making determinations of the aquifer to be monitored.

Article 6 of the Code of Stratigraphic Nomenclature (1970) defines a "rock-stratigraphic formation" as "the fundamental unit in rock-stratigraphic classification. A formation is a body of rock characterized by lithologic homogeneity; it is prevailingly but not necessarily tabular and is mappable at the earth's surface or traceable in the subsurface". Based upon the previous definition, in order to qualify as a formation, a lithologic unit must possess some distinctive lithologic features (i.e., rock type, bedding, etc.) and must be mappable. This criterion for a "formation" also applies to unconsolidated, soil-stratigraphic units under Article 18 of the Code of Stratigraphic Nomenclature.

The cause of deposition is not a criterion for defining whether geologic materials constitute a formation; more important is whether a unit has some unique features when compared to surrounding units and that it is mappable. It has been suggested that mine spoil does not qualify as a formation because it is man-made. However, most mine spoil in the State of Ohio is unique when compared to underlying lithologic units and generally is extensive enough to be mapped; therefore, mine spoil can be considered a formation.

The primary issue with the phrase "capable of yielding a significant amount" concerns interpretation of the word "significant". In the July 26, 1982 Federal Register (Preamble, Volume 53, No. 168, p. 33328), U.S. EPA reiterated several public comments about the meaning of this word:

- the concept of the term "significant" is site-specific, depending in large part on the demand for ground water; and
- the minimum yield possible for an "aquifer" could be as low as twenty gallons per day (0.01 gallons per minute) based on the demand of a family of four in a rural area.

In a June 27, 1984, internal memorandum (John H. Skinner, Director of Solid Waste to James H. Scarborough, Chief, Residuals Management Branch, Region IV, June 27, 1984); the August 30, 1988 Federal Register Preamble, (Volume 53, No. 168, p. 33328; and Criteria for Identifying Areas of Vulnerable Hydrogeology Under the Resource

Conservation and Recovery Act), U.S. EPA appears to have endorsed the above two comments.

Ohio EPA has considered this issue and agrees with U.S. EPA that the term "significant" in the definition of "aquifer" needs to allow for regional differences in the yield of aquifers that are currently being used or have the potential to be used as public or private sources of drinking water within the State of Ohio. The Ohio EPA believes that determination of whether a particular saturated zone is significant must be a site-specific decision based on factors in addition to quantitative ground water yield; in short, the Agency believes that a certain yield should not be used as a "cut-off" level for "significant".

Aquifers in the southern part of Ohio yield as little as 75 gallons per day (0.05 gallons per minute) and are considered viable for use as a domestic water supply. Such a yield would not be considered sufficient for much of northern Ohio where some aquifers used for domestic purposes can yield at least 7200 gallons per day (5 gallons per minute). Because of these differences in yield, the Ohio EPA believes that interpretation of the word "significant" needs to be site-specific and based on the current and historic sustained yield of domestic wells in the area in question.

In order to determine whether a saturated zone or zones at a particular site are capable of yielding a significant amount of ground water, Ohio EPA utilizes the following information:

- average sustained yield of the subsurface formation used within the general vicinity of the facility for domestic water supply;
- sustained yield of the saturated unit or units under the site and how it compares to the lowest recorded sustained yield of a water supply well completed within of the commonly used domestic water supply ground water source within approximately one (1) mile of the facility; and
- historic use and potential for use of the saturated zone in question as a water supply.

In reviewing the above information, Ohio EPA considers several criteria. In order to be designated an aquifer, the yield of the saturated zone in question must be significant when compared to the lowest recorded yield of the geologic zone commonly used for domestic water supply. In addition, there should be a reasonable possibility that, at some time in the future, the saturated unit will be used or needed as a source of water. Non-use of an aquifer because of the existence of a community water system (surface water or ground water source) that serves the local population is not justification for eliminating the future potential use of an aquifer as a domestic water supply. Judgement on reasonableness of future use shall be determined solely on the yield of the formation. The water quality of the saturated zone has no bearing on its status as an aquifer.

Uppermost Aquifer

The uppermost aquifer is the first aquifer that would be affected by leakage from the regulated unit. However, the uppermost aquifer can include all the "directly interconnected" upper zones of saturation that would contribute to the yield of the aquifer and lower directly interconnected aquifers that would allow migration of hazardous waste

constituents beyond the uppermost aquifer. The first encountered directly interconnected saturated zone along with those lower zones of saturation that are capable of yielding significant amounts of water that are directly interconnected will comprise the entire uppermost aquifer. The term "uppermost aquifer" has been defined by U.S. EPA to include the entire system of aquifers that is hydraulically interconnected with the uppermost aquifer within the facility property boundary (Federal Register, Vol. 47, No. 143, July 26, 1982, p. 32290). The owner/operator may be required to monitor more than just one geologic unit or portion of geologic unit within the uppermost aquifer(s) to ensure that leakage from the regulated unit has not occurred.

5. What is meant by the ground water program shall be carried out during the "active life" of the facility and for disposal facilities, during the "post-closure care period"?

The "active life of the facility" as defined in OAC Rule 3745-50-10(A)(3) means the period from the initial receipt of hazardous waste at the facility until the Director receives certification of final closure. For purposes of ground water monitoring requirements, the active life of the facility essentially includes the period from November 19, 1981 through the active and inactive operating period of the hazardous waste management unit, including the closure period, until the Director receives certification of final closure in accordance with OAC Rule 3745-66-15 and is released, by the Director of the Ohio EPA, from the financial assurance requirements for closure under paragraph (H) of OAC Rule 3745-66-43.

Hazardous waste management units that do not achieve "clean" closure and certify closure of the hazardous waste management unit "in-place" as a landfill unit (disposal facility) are subject to post-closure care requirements set forth in OAC Rule 3745-66-17. During this post-closure care period, an owner/operator of the unit must conduct his/her ground water monitoring program in accordance with OAC Rules 3745-65-90 through 3745-65-94 in addition to those requirements specified in the facility post-closure plan. The "post-closure care period" is the period of time, thirty years, after an owner/operator submits certification of closure of the hazardous waste management unit. The post-closure care period continues until the owner or operator certifies completion of post-closure care in accordance with OAC Rule 3745-66-20 and is released, by the Director of the Ohio EPA, from the financial assurance requirements for post-closure care under paragraph (H) of OAC Rule 3745-66-43.

AIR FORCE BASE CONVERSION AGENCY (AFBCA/DB RICKENBACKER)

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☐	RICHARD P. HAINES, AFCEE Resident Officer	Ext. 20

SUBJECT: _____

WE ARE TRANSMITTING _____ PAGES INCLUDING THIS COVER SHEET.

NOTES: _____

December 18, 1998

Ms. Leslie Winters
Rickenbacker Port Authority
7400 Alum Creek Drive
Columbus, OH 43217

Re: Comments on Draft Final Amended Closure Plan for the Hazardous Waste Storage Area (Building 560), Rickenbacker Air National Guard Base, Columbus, OH.

Dear Leslie:

Camp Dresser & McKee (CDM) has reviewed in detail the information presented in Chapter 5 of the Draft Final Amended Closure Plan for the Hazardous Waste Storage Area (Building 560). This section presented the risk assessment for the site, which was used as the primary basis for modifying the remedial action proposed. In addition to the detailed risk assessment comments presented below, the AFBCA and Ohio EPA should consider the following general comments concerning other report statements and conclusions.

1. As correctly noted in the report, the RPA will construct airside support/cargo facilities in the immediate vicinity of hazardous waste storage area. These facilities may consist of sorting/ handling buildings, hangers, ramp, taxiway, and other support structures. Some of these structures, specifically ramp/taxiway, may contain under drain systems due to the shallow depth to groundwater. A 3-foot depth to groundwater and less was observed in some of the monitoring wells onsite (refer to Table 2.2, p. 2-12). The AFBCA should provide details on how water from potential under drain systems will be handled under the proposed closure plan.

2. The AFBCA recognizes that contamination is migrating, but states that it will not move off base. However, the boundary for off base is not clearly defined. The off base boundary must be clearly defined because RPA has leased all excess military property excluding environmental sites.

3. The AFBCA also proposes to install additional downgradient monitoring wells due to contaminant migration. As of June 1997, the chlorinated solvent plume was less than 100 feet from Hanger Avenue and the groundwater flow direction

is toward Hanger Avenue. Hanger Avenue has a stormwater collection pipe along its western and southern edge. The AFBCA should evaluate the potential for release of groundwater contamination to this stormwater pipe. If the plume reaches Hanger Avenue, it is possible that contaminated groundwater could enter the stormwater system, which RPA is responsible for permitting.

4. Unless the AFBCA can confirm that groundwater does not release to stormwater in the area, the AFBCA should continue monitoring beyond eight quarters, primarily on the downgradient side of the plume. This will help to ensure that groundwater contaminants are not being discharged to the RPA permitted stormwater system.

CDM has the following comments regarding the risk assessment presented in Chapter 5.

5. The exposure assumptions used to estimate risks are generally conservative in terms of the exposure duration and intake rates. One exception is the use of 50 milligrams/day soil ingestion rate for construction workers involved in intrusive work. A value of 480 milligrams/day is often used for short term landscape or construction activities (USEPA, 1991). This value was used for construction workers in the Draft RI Report (January 30, 1997). Human Health Evaluation Manual, Supplemental Guidance: "Standard Default Exposure Factors". OSWER Directive 9285.6-03). Perhaps this higher ingestion rate could be used for some portion of the exposure duration. In lieu of recalculating risks, revised risk estimates could be derived by scaling according to the increased soil ingestion rate. Risks would increase by approximately a factor of 10 (480/50), and would still be within acceptable risk limits for construction workers.

6. The assumption that construction workers are exposed to groundwater 4 hours/day seems overly conservative given the depth to groundwater (8 to 12 feet).

7. The assumption that the frequency of exposure for grounds keepers is 6 days/year is low. Activities such as cutting the grass would probably occur once a week from June through September (20 days/year).

8. The report used chronic toxicity values to evaluate subchronic exposures (less than seven years). This is conservative.

9. Two exposure scenarios have risks greater than the regulatory risk goal of 1E-05: (1) Construction Worker/Hangar (1.3E-05) and (2) Hypothetical Worker/Nonintrusive (9.0E-05). The driving pathways for these two scenarios are dermal contact with groundwater and dermal contact with soil, respectively. The dermal contact with groundwater pathway is conservative based on the depth to groundwater (8-12 feet) and the amount of exposure time (4 hours/day). Dermal slope factors were derived from oral cancer slope factors based on the estimated absorption efficiency from the oral route. This approach is highly uncertain and should be substantiated with evidence that the dermal pathway has been associated with carcinogenic effects.

10. Page 5-38. Arsenic and vinyl chloride are identified as risk drivers. It is true that arsenic is the largest contributor to the soil ingestion risk for construction workers and vinyl chloride is the largest contributor to the groundwater/dermal contact risk for construction workers. However, risks to the hypothetical worker are greater than those to the construction worker and the driving chemical for this receptor for the soil/dermal contact pathway was beryllium (54% contribution), followed by both arsenic and benzo(a) pyrene (both 18% contributions). Site-specific target levels (SSTLs) were only developed for the intrusive construction worker. If risks to the non-intrusive worker are greater, it is not clear why SSTLs were not developed for these workers. It is understood that these workers are considered "hypothetical future workers", however, why evaluate them in the risk assessment if they are not carried through the cleanup plan?

Appendix F - Calculation of PRGs

11. Table A - The Oral Absorption Factors (OABS) were not provided. Based on back-calculating from the Dermal Slope Factors, it appears that different OABS were used for different PAHs. This is unusual and should be confirmed.

12. Table A - The equation for calculating PRGs is incorrect. The parameter "BW" - bodyweight, should not be in the denominator. The result is that the PRGs are almost 2 orders of magnitude lower than they should be. Some chemicals may have been eliminated as chemicals of concern if the PRGs were higher. Chemicals were eliminated if the maximum detected concentration was less than its respective PRG.

13. Table A - A chemical-specific cancer risk limit of 1E-05 and noncancer risk limit of 1.0 was used to develop Site Specific Target Levels (SSTLs). The regulations require that the combined risk for all carcinogens not exceed 1E-05 and the combined hazard index for all noncarcinogens not exceed 1.0. The allowable risk limit needs to be distributed among chemicals with the same target organ or mechanism of action.

14. Table B - It is not clear why there would be 4 hours/day dermal exposure to groundwater. Perhaps for a construction dewatering scenario, but only short term. This scenario has a 25 year duration.

Appendix G

15. The target hazard index of 1.0 and the cancer risk limit of 1 in 100,000 should be apportioned among all chemicals of concern with the same target organ or mechanism of action, rather than used as chemical-specific risk limits. SSTLs would be reduced.

The comments have already been forwarded to the individuals listed below. Should you have any questions or need additional assistance, please contact me at (614) 847-8340.

Very truly yours,

CAMP DRESSER & McKEE

John A. Lengel Jr., P.E.
Project Manager

c: Al Friedstrom - AFBCA
Laura Ripley - USEPA
Diana Bynum - OEPA

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