N00158.AR.000154
NAS WILLOW GROVE
5090.3a

WATER CONSERVATION TANK INSTALLATION
10 JULY 2001 SOIL SAMPLING DATA

NAVAL AIR STATION - JOINT RESERVE BASE
WILLOW GROVE, PA

Submitted to:

NORTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
DESIGN CONTRACT NO. N62472-98-D-1441

Submitted by:

WOODARD & CURRAN, INC.
PORTLAND, MAINE

2 AUGUST 2001

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
analytics@analyticslab.com

July 25, 2001

Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland, ME 04102

RE: Analytical Results Case Narrative
NASJRB Willow Grove
995189.02
Analytics # 45713

Dear Mr. Severance;

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by 8260B, SVOCs by 8270C, Pesticides and PCBs by 8081/8082 and TAL Metals using SW-846 methods. Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This deliverable includes a complete Level II data package and is organized in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
VOC Form 1 Sample Data Results
VOC Form 3 MS/MSD and LCS Recoveries
SVOC Form 1 Sample Data Results
SVOC Form 3 MS/MSD and LCS Recoveries
PEST Form 1 Sample Data Results
PEST Form 3 MS/MSD and LCS Recoveries
TAL Metals Form1 Data Results
TAL Metals MS/MSD and LCS Recoveries
Chain of Custody (COC) Forms
Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
See notes on chain of custody.

Volatile Organic Compounds by 8260:
No QC deviations.

Semivolatile Organic Compounds by 8270:
No QC deviations.

Pesticides and PCBs by 8081/8082:
The recovery of D-BHC was 146% with control limits of 19-140% in the LCS (L07131PWT). This compound had acceptable recovery in the MS/MSD and was not detected in any of the samples.

TAL Metals:
No QC deviations.

If you have any questions or I can be of further assistance please do not hesitate to contact me.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

Analytics LLC:2001 Narratives:WCI45713

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Report Number: 45713

Revision: Rev. 0

Re: NASJRB Willow Grove **995189.02**

Enclosed are the results of the analyses on your sample(s). Samples were received on 11 July 2001 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
45713-1	07/10/01	WC-1/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-1/2	EPA 8260 Volatile Organics	
	07/10/01	WC-1/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-1/2	TAL Metals	
45713-2	07/10/01	WC-1/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-1/4	EPA 8260 Volatile Organics	
	07/10/01	WC-1/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-1/4	TAL Metals	
45713-3	07/10/01	WC-2/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-2/2	EPA 8260 Volatile Organics	
	07/10/01	WC-2/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-2/2	TAL Metals	
45713-4	07/10/01	WC-2/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-2/4	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, North Carolina and is validated by the U.S. Army Corps of Engineers. A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature Steve L. Kullgy MGR

Date 7/24/01

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Lab Number	Sample Date	Station Location	Analysis	Comments
	07/10/01	WC-2/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-2/4	TAL Metals	
45713-5	07/10/01	WC-3/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-3/2	EPA 8260 Volatile Organics	
	07/10/01	WC-3/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-3/2	TAL Metals	
45713-6	07/10/01	WC-3/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-3/4	EPA 8260 Volatile Organics	
	07/10/01	WC-3/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-3/4	TAL Metals	
45713-7	07/10/01	WC-4/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-4/2	EPA 8260 Volatile Organics	
	07/10/01	WC-4/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-4/2	TAL Metals	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
45713-8	07/10/01	WC-4/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-4/4	EPA 8260 Volatile Organics	
	07/10/01	WC-4/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-4/4	TAL Metals	
45713-9	07/10/01	WC-5/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-5/2	EPA 8260 Volatile Organics	
	07/10/01	WC-5/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-5/2	TAL Metals	
45713-10	07/10/01	WC-5/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-5/4	EPA 8260 Volatile Organics	
	07/10/01	WC-5/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-5/4	TAL Metals	
45713-11	07/10/01	WC-6/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-6/2	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
	07/10/01	WC-6/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-6/2	TAL Metals	
45713-12	07/10/01	WC-6/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-6/4	EPA 8260 Volatile Organics	
	07/10/01	WC-6/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-6/4	TAL Metals	
45713-13	07/10/01	WC-7/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-7/2	EPA 8260 Volatile Organics	
	07/10/01	WC-7/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-7/2	TAL Metals	
45713-14	07/10/01	WC-8/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-8/2	EPA 8260 Volatile Organics	
	07/10/01	WC-8/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-8/2	TAL Metals	

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Lab Number	Sample Date	Station Location	Analysis	Comments
45713-15	07/10/01	WC-8/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-8/4	EPA 8260 Volatile Organics	
	07/10/01	WC-8/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-8/4	TAL Metals	
45713-16	07/10/01	WC-D/2	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-D/2	EPA 8260 Volatile Organics	
	07/10/01	WC-D/2	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-D/2	TAL Metals	
45713-17	07/10/01	WC-D/4	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-D/4	EPA 8260 Volatile Organics	
	07/10/01	WC-D/4	EPA 8270 Acid/Base Neutrals	
	07/10/01	WC-D/4	TAL Metals	
45713-18	07/10/01	WC-B	EPA 8081/8082 Pesticides and PCBs	
	07/10/01	WC-B	EPA 8270 Acid/Base Neutrals	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
	07/10/01	WC-B	TAL Metals	

Sample Receipt Exceptions: None

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Mr. Bob Severance
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Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: LB07111B
Matrix: Soil
Percent Solid: 100
Dilution Factor: 1.0
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02
Field Sample ID: LABQC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	10	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether	2	U
t-Butyl alcohol	80	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	89 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 full

Authorized signature

analytics environmental laboratory LLC

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-1
Matrix:	Soil
Percent Solid:	85
Dilution Factor:	1.3
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-1/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	6	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	100	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature

analytics environmental laboratory LLC

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-2
Matrix:	Soil
Percent Solid:	82
Dilution Factor:	1.3
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-1/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	96 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-3
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.3
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-2/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-4
Matrix:	Soil
Percent Solid:	88
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-2/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	12	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	12	U
Tetrahydrofuran	12	U	Methyl isobutyl ketone	12	U
Methyl ethyl ketone	12	U	Di-isopropyl ether	2	U
t-Butyl alcohol	93	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-5
Matrix:	Soil
Percent Solid:	85
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-3/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	12	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	12	U
Tetrahydrofuran	12	U	Methyl isobutyl ketone	12	U
Methyl ethyl ketone	12	U	Di-isopropyl ether	2	U
t-Butyl alcohol	95	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-6
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.3
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02
Field Sample ID: WC-3/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-7
Matrix:	Soil
Percent Solid:	78
Dilution Factor:	1.4
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-4/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	14	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	14	U
Tetrahydrofuran	14	U	Methyl isobutyl ketone	14	U
Methyl ethyl ketone	14	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-8
Matrix:	Soil
Percent Solid:	81
Dilution Factor:	1.3
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-4/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	6	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	100	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	95 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-9
Matrix:	Soil
Percent Solid:	81
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/11/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-5/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	12	U	Diethyl ether	2	U
Carbon Disulfide	2	20	2-Hexanone	12	U
Tetrahydrofuran	12	U	Methyl isobutyl ketone	12	U
Methyl ethyl ketone	12	U	Di-isopropyl ether	2	U
t-Butyl alcohol	97	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-10
Matrix: Soil
Percent Solid: 84
Dilution Factor: 1.4
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02
Field Sample ID: WC-5/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	14	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	14	U
Tetrahydrofuran	14	U	Methyl isobutyl ketone	14	U
Methyl ethyl ketone	14	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-11
Matrix: Soil
Percent Solid: 84
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02
Field Sample ID: WC-6/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	11	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	11	U
Tetrahydrofuran	11	U	Methyl isobutyl ketone	11	U
Methyl ethyl ketone	11	U	Di-isopropyl ether	2	U
t-Butyl alcohol	92	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
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Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-12
Matrix: Soil
Percent Solid: 88
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/11/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-6/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	12	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	12	U
Tetrahydrofuran	12	U	Methyl isobutyl ketone	12	U
Methyl ethyl ketone	12	U	Di-isopropyl ether	2	U
t-Butyl alcohol	99	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	92 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-13
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/12/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02
Field Sample ID: WC-7/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	11	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	11	U
Tetrahydrofuran	11	U	Methyl isobutyl ketone	11	U
Methyl ethyl ketone	11	U	Di-isopropyl ether	2	U
t-Butyl alcohol	91	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	96 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-14
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/12/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-8/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	6	U
Chlorobenzene	2	U	Methyl-tert-butyl ether	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	12	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	12	U
Tetrahydrofuran	12	U	Methyl isobutyl ketone	12	U
Methyl ethyl ketone	12	U	Di-isopropyl ether	2	U
t-Butyl alcohol	100	U	Ethyl t-butyl ether	2	U
t-Amyl methyl ether	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91 %	d8-Toluene	96 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-15
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.4
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/12/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02
Field Sample ID: WC-8/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	14	U	Diethyl ether	3	U
Carbon Disulfide	3	3	2-Hexanone	14	U
Tetrahydrofuran	14	U	Methyl isobutyl ketone	14	U
Methyl ethyl ketone	14	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	95 %	Bromofluorobenzene	90 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID:	45713-16
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.3
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Analysis Date:	07/12/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-D/2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	6	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	U	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	100	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 18, 2001

SAMPLE DATA

Lab Sample ID: 45713-17
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.3
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Analysis Date: 07/12/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-D/4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	3	U	1,3-Dichloropropane	3	U
Bromobenzene	3	U	cis-1,3-Dichloropropene	3	U
Bromochloromethane	3	U	trans-1,3-Dichloropropene	3	U
Bromodichloromethane	3	U	2,2-Dichloropropane	3	U
Bromoform	3	U	1,1-Dichloropropene	3	U
Bromomethane	3	U	Ethylbenzene	3	U
n-butylbenzene	3	U	Hexachlorobutadiene	3	U
sec-butylbenzene	3	U	Isopropylbenzene	3	U
tert-butylbenzene	3	U	p-isopropyltoluene	3	U
Carbon Tetrachloride	3	U	Methylene Chloride	7	U
Chlorobenzene	3	U	Methyl-tert-butyl ether	3	U
Chloroethane	3	U	Naphthalene	3	U
Chloroform	3	U	n-Propylbenzene	3	U
Chloromethane	3	U	Styrene	3	U
2-Chlorotoluene	3	U	1,1,1,2-Tetrachloroethane	3	U
4-Chlorotoluene	3	U	1,1,2,2-Tetrachloroethane	3	U
Dibromochloromethane	3	U	Tetrachloroethene	3	U
1,2-Dibromo-3-chloropropane	3	U	Toluene	3	U
1,2-Dibromoethane	3	U	1,2,3-Trichlorobenzene	3	U
Dibromomethane	3	U	1,2,4-Trichlorobenzene	3	U
1,2-Dichlorobenzene	3	U	1,1,1-Trichloroethane	3	U
1,3-Dichlorobenzene	3	U	1,1,2-Trichloroethane	3	U
1,4-Dichlorobenzene	3	U	Trichloroethene	3	U
Dichlorodifluoromethane	3	U	Trichlorofluoromethane	3	U
1,1-Dichloroethane	3	U	1,2,3-Trichloropropane	3	U
1,2-Dichloroethane	3	U	1,2,4-Trimethylbenzene	3	U
1,1-Dichloroethene	3	U	1,3,5-Trimethylbenzene	3	U
cis-1,2-Dichloroethene	3	U	Vinyl Chloride	3	U
trans-1,2-Dichloroethene	3	U	o-Xylene	3	U
1,2-Dichloropropane	3	U	m,p-Xylene	3	U
Acetone	13	U	Diethyl ether	3	U
Carbon Disulfide	3	2 J	2-Hexanone	13	U
Tetrahydrofuran	13	U	Methyl isobutyl ketone	13	U
Methyl ethyl ketone	13	U	Di-isopropyl ether	3	U
t-Butyl alcohol	110	U	Ethyl t-butyl ether	3	U
t-Amyl methyl ether	3	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91 %	d8-Toluene	95 %	Bromofluorobenzene	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Sample collection and analysis in accordance with SW-846 method 5035.

8260 full

Authorized signature

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VOLATILE ORGANIC SOIL
LABORATORY CONTROL SPIKE/DUPLICATE
PERCENT RECOVERY

Project #: 995189.02 Quote #: NA SDG#: 45713

Site ID: NASJRB Willow Grove Location: Willow Grove PA

Instrument ID: B
GC Column: RTX-624 ID: 0.25(mm)

Laboratory Control Spike/Duplicate Sample ID: LL07111B/LL07111B2

COMPOUND	MS SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Dichlorodifluoromethane	20	U	17	87		17	87		0		25	60-140
Chloromethane	20	U	16	79		15	77		1		25	60-140
Vinyl Chloride	20	U	19	93		18	92		2		25	60-140
Bromomethane	20	U	17	84		16	79		6		25	60-140
Chloroethane	20	U	22	108		18	88		20		25	60-140
t-Butyl alcohol	80	U	83	104		96	120		14		25	60-140
Trichlorofluoromethane	20	U	25	125		24	121		4		25	60-140
Diethyl ether	20	U	25	126		24	122		3		25	60-140
Acetone	20	U	22	108		21	103		4		25	60-140
1,1-Dichloroethene	20	U	23	115		23	114		1		25	60-140
Di-isopropyl ether	20	U	20	99		20	100		1		25	60-140
Methylene Chloride	20	U	18	90		19	96		6		25	60-140
Carbon Disulfide	20	U	21	103		21	104		0		25	60-140
Methyl-tert-butyl ether	40	U	39	98		39	98		0		25	60-140
Trans-1,2-Dichloroethene	20	U	19	94		19	95		1		25	60-140
1,1-Dichloroethane	20	U	19	95		19	95		1		25	60-140
Methyl ethyl ketone	20	U	18	92		19	96		4		25	60-140
Ethyl t-butyl ether	20	U	19	96		19	96		0		25	60-140
2,2-Dichloropropane	20	U	20	100		19	96		4		25	60-140
Cis-1,2-Dichloroethene	20	U	20	99		20	98		0		25	60-140
t-Amyl methyl ether	20	U	19	94		19	94		0		25	60-140
Chloroform	20	U	19	97		20	99		2		25	60-140
Bromochloromethane	20	U	19	97		20	99		2		25	60-140
Tetrahydrofuran	20	U	19	94		19	95		0		25	60-140
1,1,1-Trichloroethane	20	U	19	97		19	96		1		25	60-140
1,1-Dichloropropene	20	U	19	96		19	95		1		25	60-140
Carbon Tetrachloride	20	U	19	96		19	94		2		25	60-140
1,2-Dichloroethane	20	U	19	94		19	96		2		25	60-140
Benzene	20	U	20	98		20	99		1		25	60-140
Trichloroethene	20	U	20	98		20	100		2		25	60-140
1,2-Dichloropropane	20	U	20	102		21	103		0		25	60-140
Bromodichloromethane	20	U	20	102		20	100		2		25	60-140
Dibromomethane	20	U	19	96		19	97		1		25	60-140
2-Hexanone	20	U	18	90		19	95		6		25	60-140
Methyl isobutyl ketone	20	U	20	100		21	104		4		25	60-140
Cis-1,3-Dichloropropene	20	U	19	95		18	92		3		25	60-140
Toluene	20	U	20	100		20	98		2		25	60-140
Trans-1,3-Dichloropropene	20	U	18	92		18	89		3		25	60-140

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VOLATILE ORGANIC SOIL
LABORATORY CONTROL SPIKE/DUPLICATE
PERCENT RECOVERY

Project #: 995189.02 Quote #: NA SDG#: 45713

Site ID: NASJRB Willow Grove Location: Willow Grove PA

Instrument ID: B
GC Column: RTX-624 ID: 0.25(mm)

Laboratory Control Spike/Duplicate Sample ID: LL07111B/LL07111B2

COMPOUND	MS SPIKE ADDED (ug/kg)	SAMPLE AMT (ug/kg)	MS CONC. (ug/kg)	MS REC %	#	MSD CONC. (ug/kg)	MSD REC %	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
1,1,2-Trichloroethane	20	U	19	94		19	96		2		25	60-140
1,3-Dichloropropane	20	U	19	96		19	97		1		25	60-140
Tetrachloroethene	20	U	16	78		20	98		23		25	60-140
Dibromochloromethane	20	U	20	101		20	99		3		25	60-140
1,2-Dibromoethane	20	U	19	95		19	94		1		25	60-140
Chlorobenzene	20	U	20	100		20	99		1		25	60-140
1,1,1,2-Tetrachloroethane	20	U	20	102		20	100		1		25	60-140
Ethylbenzene	20	U	20	99		20	98		1		25	60-140
M-,P-Xylene	40	U	41	101		40	99		2		25	60-140
O-Xylene	20	U	20	98		20	98		1		25	60-140
Styrene	20	U	20	102		20	100		2		25	60-140
Bromoform	20	U	19	97		19	95		2		25	60-140
Isopropylbenzene	20	U	20	100		20	98		2		25	60-140
1,1,2,2-Tetrachloroethane	20	U	19	93		18	92		1		25	60-140
1,2,3-Trichloropropane	20	U	19	96		19	97		0		25	60-140
N-Propylbenzene	20	U	20	99		19	97		2		25	60-140
Bromobenzene	20	U	20	100		20	99		2		25	60-140
1,3,5-Trimethylbenzene	20	U	20	100		19	97		2		25	60-140
2-Chlorotoluene	20	U	20	98		19	96		2		25	60-140
4-Chlorotoluene	20	U	19	97		19	94		2		25	60-140
Tert-Butylbenzene	20	U	20	99		19	96		3		25	60-140
1,2,4-Trimethylbenzene	20	U	20	102		20	99		3		25	60-140
Sec-Butylbenzene	20	U	20	102		20	100		1		25	60-140
P-Isopropyltoluene	20	U	20	101		20	99		3		25	60-140
1,3-Dichlorobenzene	20	U	20	98		19	94		4		25	60-140
1,4-Dichlorobenzene	20	U	20	102		20	102		1		25	60-140
N-Butylbenzene	20	U	21	103		20	102		1		25	60-140
1,2-Dichlorobenzene	20	U	20	100		20	100		0		25	60-140
1,2-Dibromo-3-chloropropane	20	U	18	89		19	96		7		25	60-140
1,2,4-Trichlorobenzene	20	U	20	101		20	98		4		25	60-140
Hexachlorobutadiene	20	U	21	105		20	100		5		25	60-140
Naphthalene	20	U	19	94		20	100		6		25	60-140
1,2,3-Trichlorobenzene	20	U	20	101		20	98		4		25	60-140
1,3,5-Trichlorobenzene	20	U	20	100		19	95		5		25	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 71 outside limits
Spike Recovery: 0 out of 142 outside limits

Comments:

7-12-01

Data File Name	B4281Q.D
Operator	
Date Acquired	07/11/20 -1:1:
Method File	VS06261B
Sample Name	LL07111B
Misc Info	,5.00,SOIL

Name	Found	Units	Added	% Recovery	Range	Acceptance
Dichlorodifluoromethane	17.45	ug/L	20.00	87.24	(70-130)	OK
Chloromethane	15.71	ug/L	20.00	78.53	(70-130)	OK
Vinyl Chloride	18.69	ug/L	20.00	93.43	(70-130)	OK
Bromomethane	16.85	ug/L	20.00	84.25	(70-130)	OK
Chloroethane	21.53	ug/L	20.00	107.66	(70-130)	OK
Trichlorofluoromethane	25.02	ug/L	20.00	125.12	(70-130)	OK
Diethyl ether	25.16	ug/L	20.00	125.82	(70-130)	OK
Acetone	21.56	ug/L	20.00	107.81	(70-130)	OK
1,1-Dichloroethene	22.96	ug/L	20.00	114.79	(70-130)	OK
Methylene Chloride	18.06	ug/L	20.00	90.29	(70-130)	OK
Carbon Disulfide	20.86	ug/L	20.00	104.32	(70-130)	OK
Methyl-tert-butyl ether	39.17	ug/L	40.00	97.92	(70-130)	OK
Trans-1,2-Dichloroethene	18.79	ug/L	20.00	93.95	(70-130)	OK
1,1-Dichloroethane	18.93	ug/L	20.00	94.67	(70-130)	OK
Methyl ethyl ketone	18.35	ug/L	20.00	91.73	(70-130)	OK
2,2-Dichloropropane	19.99	ug/L	20.00	99.96	(70-130)	OK
Cis-1,2-Dichloroethene	19.71	ug/L	20.00	98.56	(70-130)	OK
Chloroform	19.42	ug/L	20.00	97.08	(70-130)	OK
Bromochloromethane	19.42	ug/L	20.00	97.10	(70-130)	OK
1,1,1-Trichloroethane	19.31	ug/L	20.00	96.53	(70-130)	OK
1,1-Dichloropropene	19.16	ug/L	20.00	95.82	(70-130)	OK
Carbon Tetrachloride	19.23	ug/L	20.00	96.14	(70-130)	OK
1,2-Dichloroethane	18.79	ug/L	20.00	93.94	(70-130)	OK
Benzene	19.59	ug/L	20.00	97.93	(70-130)	OK
Trichloroethene	19.59	ug/L	20.00	97.97	(70-130)	OK
1,2-Dichloropropane	20.47	ug/L	20.00	102.37	(70-130)	OK
Bromodichloromethane	20.43	ug/L	20.00	102.14	(70-130)	OK
Dibromomethane	19.26	ug/L	20.00	96.29	(70-130)	OK
Methyl isobutyl ketone	19.95	ug/L	20.00	99.73	(70-130)	OK
Cis-1,3-Dichloropropene	18.96	ug/L	20.00	94.79	(70-130)	OK
Toluene	19.94	ug/L	20.00	99.68	(70-130)	OK
Trans-1,3-Dichloropropene	18.39	ug/L	20.00	91.93	(70-130)	OK
1,1,2-Trichloroethane	18.72	ug/L	20.00	93.61	(70-130)	OK
1,3-Dichloropropane	19.24	ug/L	20.00	96.20	(70-130)	OK
Tetrachloroethene	15.50	ug/L	20.00	77.49	(70-130)	OK
Dibromochloromethane	20.26	ug/L	20.00	101.29	(70-130)	OK
1,2-Dibromoethane	19.05	ug/L	20.00	95.24	(70-130)	OK
Chlorobenzene	19.97	ug/L	20.00	99.83	(70-130)	OK
1,1,1,2-Tetrachloroethane	20.34	ug/L	20.00	101.70	(70-130)	OK
Ethylbenzene	19.89	ug/L	20.00	99.46	(70-130)	OK
M-,P-Xylene	40.50	ug/L	40.00	101.25	(70-130)	OK
O-Xylene	19.69	ug/L	20.00	98.46	(70-130)	OK
Styrene	20.41	ug/L	20.00	102.04	(70-130)	OK

Bromoform	19.43	ug/L	20.00	97.15	(70-130)	OK
Isopropylbenzene	20.01	ug/L	20.00	100.04	(70-130)	OK
1,1,2,2-Tetrachloroethane	18.55	ug/L	20.00	92.77	(70-130)	OK
1,2,3-Trichloropropane	19.29	ug/L	20.00	96.45	(70-130)	OK
N-Propylbenzene	19.78	ug/L	20.00	98.90	(70-130)	OK
Bromobenzene	20.05	ug/L	20.00	100.27	(70-130)	OK
1,3,5-Trimethylbenzene	19.91	ug/L	20.00	99.54	(70-130)	OK
2-Chlorotoluene	19.59	ug/L	20.00	97.94	(70-130)	OK
4-Chlorotoluene	19.35	ug/L	20.00	96.76	(70-130)	OK
Tert-Butylbenzene	19.85	ug/L	20.00	99.23	(70-130)	OK
1,2,4-Trimethylbenzene	20.44	ug/L	20.00	102.18	(70-130)	OK
Sec-Butylbenzene	20.30	ug/L	20.00	101.48	(70-130)	OK
P-Isopropyltoluene	20.27	ug/L	20.00	101.33	(70-130)	OK
1,3-Dichlorobenzene	19.57	ug/L	20.00	97.87	(70-130)	OK
1,4-Dichlorobenzene	20.43	ug/L	20.00	102.14	(70-130)	OK
N-Butylbenzene	20.55	ug/L	20.00	102.73	(70-130)	OK
1,2-Dichlorobenzene	20.04	ug/L	20.00	100.20	(70-130)	OK
1,2-Dibromo-3-chloropropane	17.75	ug/L	20.00	88.76	(70-130)	OK
1,2,4-Trichlorobenzene	20.26	ug/L	20.00	101.28	(70-130)	OK
Hexachlorobutadiene	21.05	ug/L	20.00	105.25	(70-130)	OK
Naphthalene	18.87	ug/L	20.00	94.36	(70-130)	OK
1,2,3-Trichlorobenzene	20.26	ug/L	20.00	101.28	(70-130)	OK
1,3,5-Trichlorobenzene	20.03	ug/L	20.00	100.14	(70-130)	OK

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 20, 2001

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: LABQC

SAMPLE DATA

Lab Sample ID: B07131AW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: N/A
Lab Receipt Date: N/A
Extraction Date: 01/03/00
Analysis Date: 07/19/01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	5	U	Pentachlorophenol	10	U
4-Chloro-3-methylphenol	10	U	Phenol	5	U
2,4-Dichlorophenol	5	U	2,4,5-Trichlorophenol	5	U
2,4-Dimethylphenol	5	U	2,4,6-Trichlorophenol	5	U
2,4-dinitrophenol	5	U	Benzoic Acid	10	U
4,6-Dinitro-2-methylphenol	5	U	2-Methylphenol	5	U
2-Nitrophenol	5	U	3+4-Methylphenol	5	U
2,6-Dichlorophenol	5	U	Benzyl Alcohol	5	U
4-Nitrophenol	5	U	2,3,4,6-Tetrachlorophenol	5	U

Acid Surrogate Standard Recovery

2-Fluorophenol	54	%	d5-Phenol	39	%	2,4,6-Tribromophenol	85 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	2	U	Hexachlorobenzene	2	U
1,3-Dichlorobenzene	2	U	Benzidine	20	U
1,4-Dichlorobenzene	2	U	3,3'-Dichlorobenzidine	20	U
2,4-Dinitrotoluene	2	U	Azobenzene	2	U
2,6-Dinitrotoluene	2	U	Bis(2-chloroethoxy)methane	2	U
Nitrobenzene	2	U	bis(2-chloroethyl) ether	2	U
Hexachlorobutadiene	2	U	bis(2-chloroisopropyl)ether	2	U
Dimethyl Phthalate	2	U	4-bromophenyl phenyl ether	2	U
Di-n-butyl phthalate	2	U	Butyl benzyl phthalate	2	U
di-n-octyl-phthalate	2	U	4-Chlorophenyl phenyl ether	2	U
Bis (2-ethylhexyl) phthalate	2	U	Diethyl Phthalate	2	U
1,2,4-Trichlorobenzene	2	U	Hexachlorocyclopentadiene	2	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

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8270/625 layout

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	B07131AW
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	07/13/01
Analysis Date:	07/19/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	LABQC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	2	U	N-nitrosodimethylamine	2	U
Acenaphthylene	2	U	N-nitroso-di-n-propylamine	2	U
Anthracene	2	U	n-nitrosodiphenylamine	2	U
Benzo[a]anthracene	2	U	Pyridine	2	U
Benzo[a] pyrene	2	U	2-Methylnaphthalene	2	U
Benzo[b] fluoranthene	2	U	2-Chloronaphthalene	2	U
Benzo[k] fluoranthene	2	U	Naphthalene	2	U
Benzo(g,h,i) perylene	2	U	Phenanthrene	2	U
Chrysene	2	U	Dibenzofuran	2	U
Dibenz [a,h] anthracene	2	U	Aniline	2	U
Fluoranthene	2	U	4-Chloroaniline	2	U
Fluorene	2	U	2-Nitroaniline	2	U
Indeno [1,2,3-cd] pyrene	2	U	3-Nitroaniline	2	U
Pyrene	2	U	4-Nitroaniline	2	U
Hexachloroethane	2	U	Carbazole	2	U
Isophorone	2	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	76	%	d5-nitrobenzene	81	%	d14-p-terphenyl	88	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: B07121AS2
Matrix:
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: N/A
Lab Receipt Date: N/A
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: LABQC

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	250	U	Pentachlorophenol	250	U
4-Chloro-3-methylphenol	250	U	Phenol	250	U
2,4-Dichlorophenol	250	U	2,4,5-Trichlorophenol	250	U
2,4-Dimethylphenol	250	U	2,4,6-Trichlorophenol	250	U
2,4-dinitrophenol	250	U	Benzoic Acid	250	U
4,6-Dinitro-2-methylphenol	250	U	2-Methylphenol	250	U
2-Nitrophenol	250	U	3+4-Methylphenol	250	U
2,6-Dichlorophenol	250	U	Benzyl Alcohol	250	U
4-Nitrophenol	250	U	2,3,4,6-Tetrachlorophenol	250	U

Acid Surrogate Standard Recovery

2-Fluorophenol	81	%	d5-Phenol	90	%	2,4,6-Tribromophenol	95	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	250	U	Hexachlorobenzene	250	U
1,3-Dichlorobenzene	250	U	Benzidine	250	U
1,4-Dichlorobenzene	250	U	3,3'-Dichlorobenzidine	250	U
2,4-Dinitrotoluene	250	U	Azobenzene	250	U
2,6-Dinitrotoluene	250	U	Bis(2-chloroethoxy)methane	250	U
Nitrobenzene	250	U	bis(2-chloroethyl) ether	250	U
Hexachlorobutadiene	250	U	bis(2-chloroisopropyl)ether	250	U
Dimethyl Phthalate	250	U	4-bromophenyl phenyl ether	250	U
Di-n-butyl phthalate	250	U	Butyl benzyl phthalate	250	U
di-n-octyl-phthalate	250	U	4-Chlorophenyl phenyl ether	250	U
Bis (2-ethylhexyl) phthalate	250	U	Diethyl Phthalate	250	U
1,2,4-Trichlorobenzene	250	U	Hexachlorocyclopentadiene	250	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

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Portland ME 04102

July 24, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: LABQC

Lab Sample ID: B07121AS2
Matrix:
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: N/A
Lab Receipt Date: N/A
Extraction Date: 07/12/01
Analysis Date: 07/20/01

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	250	U	N-nitrosodimethylamine	250	U
Acenaphthylene	250	U	N-nitroso-di-n-propylamine	250	U
Anthracene	250	U	n-nitrosodiphenylamine	250	U
Benzo[a]anthracene	250	U	Pyridine	250	U
Benzo[a] pyrene	250	U	2-Methylnaphthalene	250	U
Benzo[b] fluoranthene	250	U	2-Chloronaphthalene	250	U
Benzo[k] fluoranthene	250	U	Naphthalene	250	U
Benzo(g,h,i) perylene	250	U	Phenanthrene	250	U
Chrysene	250	U	Dibenzofuran	250	U
Dibenz [a,h] anthracene	250	U	Aniline	250	U
Fluoranthene	250	U	4-Chloroaniline	250	U
Fluorene	250	U	2-Nitroaniline	250	U
Indeno [1,2,3-cd] pyrene	250	U	3-Nitroaniline	250	U
Pyrene	250	U	4-Nitroaniline	250	U
Hexachloroethane	250	U	Carbazole	250	U
Isophorone	250	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	88	%	d5-nitrobenzene	83	%	d14-p-terphenyl	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS:

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Mr. Bob Severance
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Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	B07121AS
Matrix:	Solid
Percent Solid:	100
Dilution Factor:	1.0
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	LABQC

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	250	U	Pentachlorophenol	250	U
4-Chloro-3-methylphenol	250	U	Phenol	250	U
2,4-Dichlorophenol	250	U	2,4,5-Trichlorophenol	250	U
2,4-Dimethylphenol	250	U	2,4,6-Trichlorophenol	250	U
2,4-dinitrophenol	250	U	Benzoic Acid	250	U
4,6-Dinitro-2-methylphenol	250	U	2-Methylphenol	250	U
2-Nitrophenol	250	U	3+4-Methylphenol	250	U
2,6-Dichlorophenol	250	U	Benzyl Alcohol	250	U
4-Nitrophenol	250	U	2,3,4,6-Tetrachlorophenol	250	U

Acid Surrogate Standard Recovery

2-Fluorophenol	74	%	d5-Phenol	82	%	2,4,6-Tribromophenol	84 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	250	U	Hexachlorobenzene	250	U
1,3-Dichlorobenzene	250	U	Benzidine	250	U
1,4-Dichlorobenzene	250	U	3,3'-Dichlorobenzidine	250	U
2,4-Dinitrotoluene	250	U	Azobenzene	250	U
2,6-Dinitrotoluene	250	U	Bis(2-chloroethoxy)methane	250	U
Nitrobenzene	250	U	bis(2-chloroethyl) ether	250	U
Hexachlorobutadiene	250	U	bis(2-chloroisopropyl)ether	250	U
Dimethyl Phthalate	250	U	4-bromophenyl phenyl ether	250	U
Di-n-butyl phthalate	250	U	Butyl benzyl phthalate	250	U
di-n-octyl-phthalate	250	U	4-Chlorophenyl phenyl ether	250	U
Bis (2-ethylhexyl) phthalate	250	U	Diethyl Phthalate	250	U
1,2,4-Trichlorobenzene	250	U	Hexachlorocyclopentadiene	250	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

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8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	B07121AS
Matrix:	Solid
Percent Solid:	100
Dilution Factor:	1.0
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	LABQC

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	250	U	N-nitrosodimethylamine	250	U
Acenaphthylene	250	U	N-nitroso-di-n-propylamine	250	U
Anthracene	250	U	n-nitrosodiphenylamine	250	U
Benzo[a]anthracene	250	U	Pyridine	250	U
Benzo[a] pyrene	250	U	2-Methylnaphthalene	250	U
Benzo[b] fluoranthene	250	U	2-Chloronaphthalene	250	U
Benzo[k] fluoranthene	250	U	Naphthalene	250	U
Benzo(g,h,i) perylene	250	U	Phenanthrene	250	U
Chrysene	250	U	Dibenzofuran	250	U
Dibenz [a,h] anthracene	250	U	Aniline	250	U
Fluoranthene	250	U	4-Chloroaniline	250	U
Fluorene	250	U	2-Nitroaniline	250	U
Indeno [1,2,3-cd] pyrene	250	U	3-Nitroaniline	250	U
Pyrene	250	U	4-Nitroaniline	250	U
Hexachloroethane	250	U	Carbazole	250	U
Isophorone	250	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	82	%	d5-nitrobenzene	76	%	d14-p-terphenyl	94	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS: Results are expressed on a dry weight basis.

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Mr. Bob Severance
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Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	45713-1
Matrix:	Soil
Percent Solid:	85
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-1/2

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	76	%	d5-Phenol	84	%	2,4,6-Tribromophenol	82 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID: 45713-1
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-1/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	77	%	d5-nitrobenzene	77	%	d14-p-terphenyl	91	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID: 45713-2
Matrix: Soil
Percent Solid: 82
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-1/4

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	300	U	Pentachlorophenol	300	U
4-Chloro-3-methylphenol	300	U	Phenol	300	U
2,4-Dichlorophenol	300	U	2,4,5-Trichlorophenol	300	U
2,4-Dimethylphenol	300	U	2,4,6-Trichlorophenol	300	U
2,4-dinitrophenol	300	U	Benzoic Acid	300	U
4,6-Dinitro-2-methylphenol	300	U	2-Methylphenol	300	U
2-Nitrophenol	300	U	3+4-Methylphenol	300	U
2,6-Dichlorophenol	300	U	Benzyl Alcohol	300	U
4-Nitrophenol	300	U	2,3,4,6-Tetrachlorophenol	300	U

Acid Surrogate Standard Recovery

2-Fluorophenol	69	%	d5-Phenol	74	%	2,4,6-Tribromophenol	76 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	300	U	Hexachlorobenzene	300	U
1,3-Dichlorobenzene	300	U	Benzidine	300	U
1,4-Dichlorobenzene	300	U	3,3'-Dichlorobenzidine	300	U
2,4-Dinitrotoluene	300	U	Azobenzene	300	U
2,6-Dinitrotoluene	300	U	Bis(2-chloroethoxy)methane	300	U
Nitrobenzene	300	U	bis(2-chloroethyl) ether	300	U
Hexachlorobutadiene	300	U	bis(2-chloroisopropyl)ether	300	U
Dimethyl Phthalate	300	U	4-bromophenyl phenyl ether	300	U
Di-n-butyl phthalate	300	U	Butyl benzyl phthalate	300	U
di-n-octyl-phthalate	300	U	4-Chlorophenyl phenyl ether	300	U
Bis (2-ethylhexyl) phthalate	300	U	Diethyl Phthalate	300	U
1,2,4-Trichlorobenzene	300	U	Hexachlorocyclopentadiene	300	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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analytics environmental laboratory LLC

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Mr. Bob Severance
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Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	45713-2
Matrix:	Soil
Percent Solid:	82
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-1/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	300	U	N-nitrosodimethylamine	300	U
Acenaphthylene	300	U	N-nitroso-di-n-propylamine	300	U
Anthracene	300	U	n-nitrosodiphenylamine	300	U
Benzo[a]anthracene	300	U	Pyridine	300	U
Benzo[a] pyrene	300	U	2-Methylnaphthalene	300	U
Benzo[b] fluoranthene	300	U	2-Chloronaphthalene	300	U
Benzo[k] fluoranthene	300	U	Naphthalene	300	U
Benzo(g,h,i) perylene	300	U	Phenanthrene	300	U
Chrysene	300	U	Dibenzofuran	300	U
Dibenz [a,h] anthracene	300	U	Aniline	300	U
Fluoranthene	300	U	4-Chloroaniline	300	U
Fluorene	300	U	2-Nitroaniline	300	U
Indeno [1,2,3-cd] pyrene	300	U	3-Nitroaniline	300	U
Pyrene	300	U	4-Nitroaniline	300	U
Hexachloroethane	300	U	Carbazole	300	U
Isophorone	300	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	71	%	d5-nitrobenzene	68	%	d14-p-terphenyl	86	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

Authorized signature Steve t. Kually MGR

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	45713-3
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.1
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-2/2

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	280	U	Pentachlorophenol	280	U
4-Chloro-3-methylphenol	280	U	Phenol	280	U
2,4-Dichlorophenol	280	U	2,4,5-Trichlorophenol	280	U
2,4-Dimethylphenol	280	U	2,4,6-Trichlorophenol	280	U
2,4-dinitrophenol	280	U	Benzoic Acid	280	U
4,6-Dinitro-2-methylphenol	280	U	2-Methylphenol	280	U
2-Nitrophenol	280	U	3+4-Methylphenol	280	U
2,6-Dichlorophenol	280	U	Benzyl Alcohol	280	U
4-Nitrophenol	280	U	2,3,4,6-Tetrachlorophenol	280	U

Acid Surrogate Standard Recovery

2-Fluorophenol	71	%	d5-Phenol	79	%	2,4,6-Tribromophenol	78	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	280	U	Hexachlorobenzene	280	U
1,3-Dichlorobenzene	280	U	Benzidine	280	U
1,4-Dichlorobenzene	280	U	3,3'-Dichlorobenzidine	280	U
2,4-Dinitrotoluene	280	U	Azobenzene	280	U
2,6-Dinitrotoluene	280	U	Bis(2-chloroethoxy)methane	280	U
Nitrobenzene	280	U	bis(2-chloroethyl) ether	280	U
Hexachlorobutadiene	280	U	bis(2-chloroisopropyl)ether	280	U
Dimethyl Phthalate	280	U	4-bromophenyl phenyl ether	280	U
Di-n-butyl phthalate	280	U	Butyl benzyl phthalate	280	U
di-n-octyl-phthalate	280	U	4-Chlorophenyl phenyl ether	280	U
Bis (2-ethylhexyl) phthalate	280	U	Diethyl Phthalate	280	U
1,2,4-Trichlorobenzene	280	U	Hexachlorocyclopentadiene	280	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Portland ME 04102

July 20, 2001

SAMPLE DATA

Lab Sample ID:	45713-3
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.1
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-2/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	280	U	N-nitrosodimethylamine	280	U
Acenaphthylene	280	U	N-nitroso-di-n-propylamine	280	U
Anthracene	280	U	n-nitrosodiphenylamine	280	U
Benzo[a]anthracene	280	U	Pyridine	280	U
Benzo[a] pyrene	280	U	2-Methylnaphthalene	280	U
Benzo[b] fluoranthene	280	U	2-Chloronaphthalene	280	U
Benzo[k] fluoranthene	280	U	Naphthalene	280	U
Benzo(g,h,i) perylene	280	U	Phenanthrene	280	U
Chrysene	280	U	Dibenzofuran	280	U
Dibenz [a,h] anthracene	280	U	Aniline	280	U
Fluoranthene	280	U	4-Chloroaniline	280	U
Fluorene	280	U	2-Nitroaniline	280	U
Indeno [1,2,3-cd] pyrene	280	U	3-Nitroaniline	280	U
Pyrene	280	U	4-Nitroaniline	280	U
Hexachloroethane	280	U	Carbazole	280	U
Isophorone	280	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	71	%	d5-nitrobenzene	70	%	d14-p-terphenyl	85	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-4
Matrix: Soil
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-2/4

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	280	U	Pentachlorophenol	280	U
4-Chloro-3-methylphenol	280	U	Phenol	280	U
2,4-Dichlorophenol	280	U	2,4,5-Trichlorophenol	280	U
2,4-Dimethylphenol	280	U	2,4,6-Trichlorophenol	280	U
2,4-dinitrophenol	280	U	Benzoic Acid	280	U
4,6-Dinitro-2-methylphenol	280	U	2-Methylphenol	280	U
2-Nitrophenol	280	U	3+4-Methylphenol	280	U
2,6-Dichlorophenol	280	U	Benzyl Alcohol	280	U
4-Nitrophenol	280	U	2,3,4,6-Tetrachlorophenol	280	U

Acid Surrogate Standard Recovery

2-Fluorophenol	79	%	d5-Phenol	85	%	2,4,6-Tribromophenol	86	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	280	U	Hexachlorobenzene	280	U
1,3-Dichlorobenzene	280	U	Benzidine	280	U
1,4-Dichlorobenzene	280	U	3,3'-Dichlorobenzidine	280	U
2,4-Dinitrotoluene	280	U	Azobenzene	280	U
2,6-Dinitrotoluene	280	U	Bis(2-chloroethoxy)methane	280	U
Nitrobenzene	280	U	bis(2-chloroethyl) ether	280	U
Hexachlorobutadiene	280	U	bis(2-chloroisopropyl)ether	280	U
Dimethyl Phthalate	280	U	4-bromophenyl phenyl ether	280	U
Di-n-butyl phthalate	280	U	Butyl benzyl phthalate	280	U
di-n-octyl-phthalate	280	U	4-Chlorophenyl phenyl ether	280	U
Bis (2-ethylhexyl) phthalate	280	U	Diethyl Phthalate	280	U
1,2,4-Trichlorobenzene	280	U	Hexachlorocyclopentadiene	280	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-4
Matrix: Soil
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-2/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	280	U	N-nitrosodimethylamine	280	U
Acenaphthylene	280	U	N-nitroso-di-n-propylamine	280	U
Anthracene	280	U	n-nitrosodiphenylamine	280	U
Benzo[a]anthracene	280	U	Pyridine	280	U
Benzo[a] pyrene	280	U	2-Methylnaphthalene	280	U
Benzo[b] fluoranthene	280	U	2-Chloronaphthalene	280	U
Benzo[k] fluoranthene	280	U	Naphthalene	280	U
Benzo(g,h,i) perylene	280	U	Phenanthrene	280	U
Chrysene	280	U	Dibenzofuran	280	U
Dibenz [a,h] anthracene	280	U	Aniline	280	U
Fluoranthene	280	U	4-Chloroaniline	280	U
Fluorene	280	U	2-Nitroaniline	280	U
Indeno [1,2,3-cd] pyrene	280	U	3-Nitroaniline	280	U
Pyrene	280	U	4-Nitroaniline	280	U
Hexachloroethane	280	U	Carbazole	280	U
Isophorone	280	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	80	%	d5-nitrobenzene	78	%	d14-p-terphenyl	88	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Portland ME 04102

July 23, 2001

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-3/2

SAMPLE DATA

Lab Sample ID: 45713-5
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	83	%	d5-Phenol	89	%	2,4,6-Tribromophenol	94	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-5
Matrix:	Soil
Percent Solid:	85
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-3/2

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	87	%	d5-nitrobenzene	85	%	d14-p-terphenyl	96	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

Authorized signature Steve L. Kaulbyms

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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-6
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-3/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	70	%	d5-Phenol	77	%	2,4,6-Tribromophenol	81	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-6
Matrix:	Soil
Percent Solid:	85
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-3/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	72	%	d5-nitrobenzene	69	%	d14-p-terphenyl	88	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-7
Matrix: Soil
Percent Solid: 78
Dilution Factor: 1.3
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-4/2

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	320	U	Pentachlorophenol	320	U
4-Chloro-3-methylphenol	320	U	Phenol	320	U
2,4-Dichlorophenol	320	U	2,4,5-Trichlorophenol	320	U
2,4-Dimethylphenol	320	U	2,4,6-Trichlorophenol	320	U
2,4-dinitrophenol	320	U	Benzoic Acid	320	U
4,6-Dinitro-2-methylphenol	320	U	2-Methylphenol	320	U
2-Nitrophenol	320	U	3+4-Methylphenol	320	U
2,6-Dichlorophenol	320	U	Benzyl Alcohol	320	U
4-Nitrophenol	320	U	2,3,4,6-Tetrachlorophenol	320	U

Acid Surrogate Standard Recovery

2-Fluorophenol	79	%	d5-Phenol	85	%	2,4,6-Tribromophenol	85	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	320	U	Hexachlorobenzene	320	U
1,3-Dichlorobenzene	320	U	Benzidine	320	U
1,4-Dichlorobenzene	320	U	3,3'-Dichlorobenzidine	320	U
2,4-Dinitrotoluene	320	U	Azobenzene	320	U
2,6-Dinitrotoluene	320	U	Bis(2-chloroethoxy)methane	320	U
Nitrobenzene	320	U	bis(2-chloroethyl) ether	320	U
Hexachlorobutadiene	320	U	bis(2-chloroisopropyl)ether	320	U
Dimethyl Phthalate	320	U	4-bromophenyl phenyl ether	320	U
Di-n-butyl phthalate	320	U	Butyl benzyl phthalate	320	U
di-n-octyl-phthalate	320	U	4-Chlorophenyl phenyl ether	320	U
Bis (2-ethylhexyl) phthalate	320	U	Diethyl Phthalate	320	U
1,2,4-Trichlorobenzene	320	U	Hexachlorocyclopentadiene	320	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-7
Matrix:	Soil
Percent Solid:	78
Dilution Factor:	1.3
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-4/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	320	U	N-nitrosodimethylamine	320	U
Acenaphthylene	320	U	N-nitroso-di-n-propylamine	320	U
Anthracene	320	U	n-nitrosodiphenylamine	320	U
Benzo[a]anthracene	320	U	Pyridine	320	U
Benzo[a] pyrene	320	U	2-Methylnaphthalene	320	U
Benzo[b] fluoranthene	320	U	2-Chloronaphthalene	320	U
Benzo[k] fluoranthene	320	U	Naphthalene	320	U
Benzo(g,h,i) perylene	320	U	Phenanthrene	320	U
Chrysene	320	U	Dibenzofuran	320	U
Dibenz [a,h] anthracene	320	U	Aniline	320	U
Fluoranthene	320	U	4-Chloroaniline	320	U
Fluorene	320	U	2-Nitroaniline	320	U
Indeno [1,2,3-cd] pyrene	320	U	3-Nitroaniline	320	U
Pyrene	320	U	4-Nitroaniline	320	U
Hexachloroethane	320	U	Carbazole	320	U
Isophorone	320	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	82	%	d5-nitrobenzene	79	%	d14-p-terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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analytics environmental laboratory LLC

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-8
Matrix:	Soil
Percent Solid:	81
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-4/4

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	310	U	Pentachlorophenol	310	U
4-Chloro-3-methylphenol	310	U	Phenol	310	U
2,4-Dichlorophenol	310	U	2,4,5-Trichlorophenol	310	U
2,4-Dimethylphenol	310	U	2,4,6-Trichlorophenol	310	U
2,4-dinitrophenol	310	U	Benzoic Acid	310	U
4,6-Dinitro-2-methylphenol	310	U	2-Methylphenol	310	U
2-Nitrophenol	310	U	3+4-Methylphenol	310	U
2,6-Dichlorophenol	310	U	Benzyl Alcohol	310	U
4-Nitrophenol	310	U	2,3,4,6-Tetrachlorophenol	310	U

Acid Surrogate Standard Recovery

2-Fluorophenol	64	%	d5-Phenol	69	%	2,4,6-Tribromophenol	74	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	310	U	Hexachlorobenzene	310	U
1,3-Dichlorobenzene	310	U	Benzidine	310	U
1,4-Dichlorobenzene	310	U	3,3'-Dichlorobenzidine	310	U
2,4-Dinitrotoluene	310	U	Azobenzene	310	U
2,6-Dinitrotoluene	310	U	Bis(2-chloroethoxy)methane	310	U
Nitrobenzene	310	U	bis(2-chloroethyl) ether	310	U
Hexachlorobutadiene	310	U	bis(2-chloroisopropyl)ether	310	U
Dimethyl Phthalate	310	U	4-bromophenyl phenyl ether	310	U
Di-n-butyl phthalate	310	U	Butyl benzyl phthalate	310	U
di-n-octyl-phthalate	310	U	4-Chlorophenyl phenyl ether	310	U
Bis (2-ethylhexyl) phthalate	310	U	Diethyl Phthalate	310	U
1,2,4-Trichlorobenzene	310	U	Hexachlorocyclopentadiene	310	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-8
Matrix:	Soil
Percent Solid:	81
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-4/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	310	U	N-nitrosodimethylamine	310	U
Acenaphthylene	310	U	N-nitroso-di-n-propylamine	310	U
Anthracene	310	U	n-nitrosodiphenylamine	310	U
Benzo[a]anthracene	310	U	Pyridine	310	U
Benzo[a] pyrene	310	U	2-Methylnaphthalene	310	U
Benzo[b] fluoranthene	310	U	2-Chloronaphthalene	310	U
Benzo[k] fluoranthene	310	U	Naphthalene	310	U
Benzo(g,h,i) perylene	310	U	Phenanthrene	310	U
Chrysene	310	U	Dibenzofuran	310	U
Dibenz [a,h] anthracene	310	U	Aniline	310	U
Fluoranthene	310	U	4-Chloroaniline	310	U
Fluorene	310	U	2-Nitroaniline	310	U
Indeno [1,2,3-cd] pyrene	310	U	3-Nitroaniline	310	U
Pyrene	310	U	4-Nitroaniline	310	U
Hexachloroethane	310	U	Carbazole	310	U
Isophorone	310	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	65	%	d5-nitrobenzene	65	%	d14-p-terphenyl	78	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-9
Matrix:	Soil
Percent Solid:	81
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-5/2

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	310	U	Pentachlorophenol	310	U
4-Chloro-3-methylphenol	310	U	Phenol	310	U
2,4-Dichlorophenol	310	U	2,4,5-Trichlorophenol	310	U
2,4-Dimethylphenol	310	U	2,4,6-Trichlorophenol	310	U
2,4-dinitrophenol	310	U	Benzoic Acid	310	U
4,6-Dinitro-2-methylphenol	310	U	2-Methylphenol	310	U
2-Nitrophenol	310	U	3+4-Methylphenol	310	U
2,6-Dichlorophenol	310	U	Benzyl Alcohol	310	U
4-Nitrophenol	310	U	2,3,4,6-Tetrachlorophenol	310	U

Acid Surrogate Standard Recovery

2-Fluorophenol	76	%	d5-Phenol	82	%	2,4,6-Tribromophenol	86	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	310	U	Hexachlorobenzene	310	U
1,3-Dichlorobenzene	310	U	Benzidine	310	U
1,4-Dichlorobenzene	310	U	3,3'-Dichlorobenzidine	310	U
2,4-Dinitrotoluene	310	U	Azobenzene	310	U
2,6-Dinitrotoluene	310	U	Bis(2-chloroethoxy)methane	310	U
Nitrobenzene	310	U	bis(2-chloroethyl) ether	310	U
Hexachlorobutadiene	310	U	bis(2-chloroisopropyl)ether	310	U
Dimethyl Phthalate	310	U	4-bromophenyl phenyl ether	310	U
Di-n-butyl phthalate	310	U	Butyl benzyl phthalate	310	U
di-n-octyl-phthalate	310	U	4-Chlorophenyl phenyl ether	310	U
Bis (2-ethylhexyl) phthalate	310	U	Diethyl Phthalate	310	U
1,2,4-Trichlorobenzene	310	U	Hexachlorocyclopentadiene	310	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-9
Matrix:	Soil
Percent Solid:	81
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-5/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	310	U	N-nitrosodimethylamine	310	U
Acenaphthylene	310	U	N-nitroso-di-n-propylamine	310	U
Anthracene	310	U	n-nitrosodiphenylamine	310	U
Benzo[a]anthracene	310	U	Pyridine	310	U
Benzo[a] pyrene	310	U	2-Methylnaphthalene	310	U
Benzo[b] fluoranthene	310	U	2-Chloronaphthalene	310	U
Benzo[k] fluoranthene	310	U	Naphthalene	310	U
Benzo(g,h,i) perylene	310	U	Phenanthrene	310	U
Chrysene	310	U	Dibenzofuran	310	U
Dibenz [a,h] anthracene	310	U	Aniline	310	U
Fluoranthene	310	U	4-Chloroaniline	310	U
Fluorene	310	U	2-Nitroaniline	310	U
Indeno [1,2,3-cd] pyrene	310	U	3-Nitroaniline	310	U
Pyrene	310	U	4-Nitroaniline	310	U
Hexachloroethane	310	U	Carbazole	310	U
Isophorone	310	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	78	%	d5-nitrobenzene	74	%	d14-p-terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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Portland ME 04102

July 23, 2001

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-5/4

SAMPLE DATA

Lab Sample ID: 45713-10
Matrix: Soil
Percent Solid: 84
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	74	%	d5-Phenol	79	%	2,4,6-Tribromophenol	79	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature Steve L. Kelly MGR

8270/625 layout

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-10
Matrix:	Soil
Percent Solid:	84
Dilution Factor:	1.1
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-5/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	72	%	d5-nitrobenzene	73	%	d14-p-terphenyl	87	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Portland ME 04102

July 23, 2001

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-6/2

SAMPLE DATA

Lab Sample ID: 45713-11
Matrix: Soil
Percent Solid: 84
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/20/01

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	77	%	d5-Phenol	83	%	2,4,6-Tribromophenol	82	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID:	45713-11
Matrix:	Soil
Percent Solid:	84
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/20/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-6/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	78	%	d5-nitrobenzene	77	%	d14-p-terphenyl	88	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: 45713-12
Matrix: Soil
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/21/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-6/4

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	280	U	Pentachlorophenol	280	U
4-Chloro-3-methylphenol	280	U	Phenol	280	U
2,4-Dichlorophenol	280	U	2,4,5-Trichlorophenol	280	U
2,4-Dimethylphenol	280	U	2,4,6-Trichlorophenol	280	U
2,4-dinitrophenol	280	U	Benzoic Acid	280	U
4,6-Dinitro-2-methylphenol	280	U	2-Methylphenol	280	U
2-Nitrophenol	280	U	3+4-Methylphenol	280	U
2,6-Dichlorophenol	280	U	Benzyl Alcohol	280	U
4-Nitrophenol	280	U	2,3,4,6-Tetrachlorophenol	280	U

Acid Surrogate Standard Recovery

2-Fluorophenol	75	%	d5-Phenol	79	%	2,4,6-Tribromophenol	79	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	280	U	Hexachlorobenzene	280	U
1,3-Dichlorobenzene	280	U	Benzidine	280	U
1,4-Dichlorobenzene	280	U	3,3'-Dichlorobenzidine	280	U
2,4-Dinitrotoluene	280	U	Azobenzene	280	U
2,6-Dinitrotoluene	280	U	Bis(2-chloroethoxy)methane	280	U
Nitrobenzene	280	U	bis(2-chloroethyl) ether	280	U
Hexachlorobutadiene	280	U	bis(2-chloroisopropyl)ether	280	U
Dimethyl Phthalate	280	U	4-bromophenyl phenyl ether	280	U
Di-n-butyl phthalate	280	U	Butyl benzyl phthalate	280	U
di-n-octyl-phthalate	280	U	4-Chlorophenyl phenyl ether	280	U
Bis (2-ethylhexyl) phthalate	280	U	Diethyl Phthalate	280	U
1,2,4-Trichlorobenzene	280	U	Hexachlorocyclopentadiene	280	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID:	45713-12
Matrix:	Soil
Percent Solid:	88
Dilution Factor:	1.1
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/21/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-6/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	280	U	N-nitrosodimethylamine	280	U
Acenaphthylene	280	U	N-nitroso-di-n-propylamine	280	U
Anthracene	280	U	n-nitrosodiphenylamine	280	U
Benzo[a]anthracene	280	U	Pyridine	280	U
Benzo[a] pyrene	280	U	2-Methylnaphthalene	280	U
Benzo[b] fluoranthene	280	U	2-Chloronaphthalene	280	U
Benzo[k] fluoranthene	280	U	Naphthalene	280	U
Benzo(g,h,i) perylene	280	U	Phenanthrene	280	U
Chrysene	280	U	Dibenzofuran	280	U
Dibenz [a,h] anthracene	280	U	Aniline	280	U
Fluoranthene	280	U	4-Chloroaniline	280	U
Fluorene	280	U	2-Nitroaniline	280	U
Indeno [1,2,3-cd] pyrene	280	U	3-Nitroaniline	280	U
Pyrene	280	U	4-Nitroaniline	280	U
Hexachloroethane	280	U	Carbazole	280	U
Isophorone	280	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	76	%	d5-nitrobenzene	72	%	d14-p-terphenyl	85	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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Mr. Bob Severance
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41 Hutchins Drive
Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: 45713-13
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/21/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-7/2

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	280	U	Pentachlorophenol	280	U
4-Chloro-3-methylphenol	280	U	Phenol	280	U
2,4-Dichlorophenol	280	U	2,4,5-Trichlorophenol	280	U
2,4-Dimethylphenol	280	U	2,4,6-Trichlorophenol	280	U
2,4-dinitrophenol	280	U	Benzoic Acid	280	U
4,6-Dinitro-2-methylphenol	280	U	2-Methylphenol	280	U
2-Nitrophenol	280	U	3+4-Methylphenol	280	U
2,6-Dichlorophenol	280	U	Benzyl Alcohol	280	U
4-Nitrophenol	280	U	2,3,4,6-Tetrachlorophenol	280	U

Acid Surrogate Standard Recovery

2-Fluorophenol	76	%	d5-Phenol	82	%	2,4,6-Tribromophenol	85	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	280	U	Hexachlorobenzene	280	U
1,3-Dichlorobenzene	280	U	Benzidine	280	U
1,4-Dichlorobenzene	280	U	3,3'-Dichlorobenzidine	280	U
2,4-Dinitrotoluene	280	U	Azobenzene	280	U
2,6-Dinitrotoluene	280	U	Bis(2-chloroethoxy)methane	280	U
Nitrobenzene	280	U	bis(2-chloroethyl) ether	280	U
Hexachlorobutadiene	280	U	bis(2-chloroisopropyl)ether	280	U
Dimethyl Phthalate	280	U	4-bromophenyl phenyl ether	280	U
Di-n-butyl phthalate	280	U	Butyl benzyl phthalate	280	U
di-n-octyl-phthalate	280	U	4-Chlorophenyl phenyl ether	280	U
Bis (2-ethylhexyl) phthalate	280	U	Diethyl Phthalate	280	U
1,2,4-Trichlorobenzene	280	U	Hexachlorocyclopentadiene	280	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

analytics environmental laboratory LLC

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Mr. Bob Severance
Woodard & Curran
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID:	45713-13
Matrix:	Solid
Percent Solid:	87
Dilution Factor:	1.1
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/21/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-7/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	280	U	N-nitrosodimethylamine	280	U
Acenaphthylene	280	U	N-nitroso-di-n-propylamine	280	U
Anthracene	280	U	n-nitrosodiphenylamine	280	U
Benzo[a]anthracene	280	U	Pyridine	280	U
Benzo[a] pyrene	280	U	2-Methylnaphthalene	280	U
Benzo[b] fluoranthene	280	U	2-Chloronaphthalene	280	U
Benzo[k] fluoranthene	280	U	Naphthalene	280	U
Benzo(g,h,i) perylene	280	U	Phenanthrene	280	U
Chrysene	280	U	Dibenzofuran	280	U
Dibenz [a,h] anthracene	280	U	Aniline	280	U
Fluoranthene	280	U	4-Chloroaniline	280	U
Fluorene	280	U	2-Nitroaniline	280	U
Indeno [1,2,3-cd] pyrene	280	U	3-Nitroaniline	280	U
Pyrene	280	U	4-Nitroaniline	280	U
Hexachloroethane	280	U	Carbazole	280	U
Isophorone	280	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	79	%	d5-nitrobenzene	76	%	d14-p-terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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Mr. Bob Severance
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: 45713-14
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/21/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-8/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	66	%	d5-Phenol	70	%	2,4,6-Tribromophenol	71	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
Woodard & Curran
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID:	45713-14
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/21/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-8/2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	63	%	d5-nitrobenzene	64	%	d14-p-terphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: 45713-15
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/21/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-8/4

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	75	%	d5-Phenol	81	%	2,4,6-Tribromophenol	83	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID:	45713-15
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/21/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-8/4

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	74	%	d5-nitrobenzene	73	%	d14-p-terphenyl	94	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: 45713-16
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/21/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-D/2

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	67 %	d5-Phenol	72 %	2,4,6-Tribromophenol	77 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Mr. Bob Severance
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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID: 45713-16
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/12/01
Analysis Date: 07/21/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-D/2

PAGE TWO

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	68	%	d5-nitrobenzene	67	%	d14-p-terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

Authorized signature

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Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID:	45713-17
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/21/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-D/4

PAGE ONE

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg	ACID COMPOUND	Quantitation Limit µg/kg	Result µg/kg
2-Chlorophenol	290	U	Pentachlorophenol	290	U
4-Chloro-3-methylphenol	290	U	Phenol	290	U
2,4-Dichlorophenol	290	U	2,4,5-Trichlorophenol	290	U
2,4-Dimethylphenol	290	U	2,4,6-Trichlorophenol	290	U
2,4-dinitrophenol	290	U	Benzoic Acid	290	U
4,6-Dinitro-2-methylphenol	290	U	2-Methylphenol	290	U
2-Nitrophenol	290	U	3+4-Methylphenol	290	U
2,6-Dichlorophenol	290	U	Benzyl Alcohol	290	U
4-Nitrophenol	290	U	2,3,4,6-Tetrachlorophenol	290	U

Acid Surrogate Standard Recovery

2-Fluorophenol	64	%	d5-Phenol	72	%	2,4,6-Tribromophenol	86	%

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
1,2-Dichlorobenzene	290	U	Hexachlorobenzene	290	U
1,3-Dichlorobenzene	290	U	Benzidine	290	U
1,4-Dichlorobenzene	290	U	3,3'-Dichlorobenzidine	290	U
2,4-Dinitrotoluene	290	U	Azobenzene	290	U
2,6-Dinitrotoluene	290	U	Bis(2-chloroethoxy)methane	290	U
Nitrobenzene	290	U	bis(2-chloroethyl) ether	290	U
Hexachlorobutadiene	290	U	bis(2-chloroisopropyl)ether	290	U
Dimethyl Phthalate	290	U	4-bromophenyl phenyl ether	290	U
Di-n-butyl phthalate	290	U	Butyl benzyl phthalate	290	U
di-n-octyl-phthalate	290	U	4-Chlorophenyl phenyl ether	290	U
Bis (2-ethylhexyl) phthalate	290	U	Diethyl Phthalate	290	U
1,2,4-Trichlorobenzene	290	U	Hexachlorocyclopentadiene	290	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

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8270/625 layout

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Portland ME 04102

July 24, 2001

SAMPLE DATA

Lab Sample ID:	45713-17
Matrix:	Soil
Percent Solid:	86
Dilution Factor:	1.2
Collection Date:	07/10/01
Lab Receipt Date:	07/11/01
Extraction Date:	07/12/01
Analysis Date:	07/21/01

CLIENT SAMPLE ID

Project Name:	NASJRB Willow Grove
Project Number:	995189.02
Field Sample ID:	WC-D/4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg	BASE NEUTRAL COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Acenaphthene	290	U	N-nitrosodimethylamine	290	U
Acenaphthylene	290	U	N-nitroso-di-n-propylamine	290	U
Anthracene	290	U	n-nitrosodiphenylamine	290	U
Benzo[a]anthracene	290	U	Pyridine	290	U
Benzo[a] pyrene	290	U	2-Methylnaphthalene	290	U
Benzo[b] fluoranthene	290	U	2-Chloronaphthalene	290	U
Benzo[k] fluoranthene	290	U	Naphthalene	290	U
Benzo(g,h,i) perylene	290	U	Phenanthrene	290	U
Chrysene	290	U	Dibenzofuran	290	U
Dibenz [a,h] anthracene	290	U	Aniline	290	U
Fluoranthene	290	U	4-Chloroaniline	290	U
Fluorene	290	U	2-Nitroaniline	290	U
Indeno [1,2,3-cd] pyrene	290	U	3-Nitroaniline	290	U
Pyrene	290	U	4-Nitroaniline	290	U
Hexachloroethane	290	U	Carbazole	290	U
Isophorone	290	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	66	%	d5-nitrobenzene	62	%	d14-p-terphenyl	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270/625 layout

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SEMI-VOLATILE ORGANIC SOIL
LABORATORY CONTROL SPIKE/DUPLICATE
PERCENT RECOVERY

Project #: 995189.02 Quote #: NA SDG#: 45713

Site ID: NASJRB WILLOW GROVE Location: WILLOW GROVE

Instrument ID: D

GC Column: RTX-5MS ID: 0.25(mm)

Laboratory Control Spike/Duplicate Sample ID: L07121AS2/LD07121AS2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS RECOVERY %	#	QC LIMITS % REC
Phenol	2667	U	2144	80		52-86
2-Chlorophenol	2667	U	2073	78		51-84
1,4-Dichlorobenzene	2667	U	1852	69		37-75
N-nitroso-di-n-propylamine	2667	U	2320	87		21-105
1,2,4-Trichlorobenzene	2667	U	1999	75		42-79
4-Chloro-3-methylphenol	2667	U	2416	91		60-94
Acenapthene	2667	U	2140	80		50-84
4-Nitrophenol	2667	U	2565	96		64-105
2,4-Dinitrotoluene	2667	U	2318	87		50-104
Pentachlorophenol	2667	U	2524	95		47-108
Pyrene	2667	U	2374	89		52-103

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
Phenol	2667	1832	69		16		35	52-86
2-Chlorophenol	2667	1798	67		14		50	51-84
1,4-Dichlorobenzene	2667	1583	59		16		27	37-75
N-nitroso-di-n-propylamine	2667	1913	72		19		38	21-105
1,2,4-Trichlorobenzene	2667	1699	64		16		23	42-79
4-Chloro-3-methylphenol	2667	2074	78		15		33	60-94
Acenapthene	2667	1848	69		15		19	50-84
4-Nitrophenol	2667	2221	83		14		50	64-105
2,4-Dinitrotoluene	2667	1995	75		15		47	50-104
Pentachlorophenol	2667	2201	83		14		47	47-108
Pyrene	2667	2117	79		11		36	52-103

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery:0 out of 22 outside limits

Comments: _____

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SEMI-VOLATILE ORGANIC SOIL MATRIX SPIKE/DUPLICATE PERCENT RECOVERY

Project #: 995189.02

Quote #: NA

SDG#: 45713

Site ID: NASJRB WILLOW GROVE

Location: WILLOW GROVE

Instrument ID: D

GC Column: RTX-5MS

ID: 0.25(mm)

Matrix Spike/Duplicate Sample ID: 45713-1

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS RECOVERY % #	QC LIMITS % REC
Phenol	2825	U	1974	70	52-86
2-Chlorophenol	2825	U	1881	67	51-84
1,4-Dichlorobenzene	2825	U	1631	58	37-75
N-nitroso-di-n-propylamine	2825	U	2059	73	21-105
1,2,4-Trichlorobenzene	2825	U	1765	62	42-79
4-Chloro-3-methylphenol	2825	U	2285	81	60-94
Acenapthene	2825	U	2021	72	50-84
4-Nitrophenol	2825	U	2560	91	64-105
2,4-Dinitrotoluene	2825	U	2316	82	50-104
Pentachlorophenol	2825	U	2662	94	47-108
Pyrene	2825	U	2650	94	52-103

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	RPD #	QC LIMITS RPD	QC LIMITS % REC.
Phenol	2826	1819	64	8	35	52-86
2-Chlorophenol	2826	1790	63	5	50	51-84
1,4-Dichlorobenzene	2826	1609	57	1	27	37-75
N-nitroso-di-n-propylamine	2826	1989	70	3	38	21-105
1,2,4-Trichlorobenzene	2826	1719	61	3	23	42-79
4-Chloro-3-methylphenol	2826	2236	79	2	33	60-94
Acenapthene	2826	2016	71	0	19	50-84
4-Nitrophenol	2826	2650	94	3	50	64-105
2,4-Dinitrotoluene	2826	2327	82	0	47	50-104
Pentachlorophenol	2826	2807	99	5	47	47-108
Pyrene	2826	2706	96	2	36	52-103

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 11 outside limits
Spike Recovery:0 out of 22 outside limits

Comments: _____

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SEMI-VOLATILE ORGANIC AQUEOUS LABORATORY CONTROL SPIKE PERCENT RECOVERY

Project #: 995189.02

Quote #: NA

SDG#: 45713

Site ID: NASJRB WILLOW GROVE

Location: WILLOW GROVE

Instrument ID: D

GC Column: RTX-5MS

ID: 0.25(mm)

Laboratory Control Spike Sample ID: L07113AW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS RECOVERY % #	QC LIMITS % REC
Phenol	80	U	31	39	26-43
2-Chlorophenol	80	U	59	74	43-91
1,4-Dichlorobenzene	80	U	48	60	23-77
N-nitroso-di-n-propylamine	80	U	67	83	47-91
1,2,4-Trichlorobenzene	80	U	53	66	29-81
4-Chloro-3-methylphenol	80	U	68	86	61-99
Acenapthene	80	U	61	76	49-91
4-Nitrophenol	80	U	32	40	25-55
2,4-Dinitrotoluene	80	U	66	82	62-104
Pentachlorophenol	80	U	72	90	56-110
Pyrene	80	U	68	85	56-110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery:0 out of 11 outside limits

Comments: _____

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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: B07131PS-2
Matrix: Soil
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove
Project Number: 995189.02
Field Sample ID: LABQC

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	5	U	Endrin Ketone	5	U
a-BHC	5	U	Heptachlor	5	U
b-BHC	5	U	Heptachlor Epoxide	5	U
d-BHC	5	U	Methoxychlor	10	U
g-BHC	5	U	Chlordane	5	U
4,4'-DDD	5	U	Toxaphene	33	U
4,4'-DDE	5	U	PCB-1016	15	U
4,4'-DDT	5	U	PCB-1221	15	U
Dieldrin	5	U	PCB-1232	15	U
Endosulfan I	5	U	PCB-1242	15	U
Endosulfan II	5	U	PCB-1248	15	U
Endosulfan Sulfate	5	U	PCB-1254	15	U
Endrin	5	U	PCB-1260	15	U
Endrin Aldehyde	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	78	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature Steve E. Goodhymore

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July 23, 2001

SAMPLE DATA

Lab Sample ID: B07131PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: LABQC

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	COMPOUND	Quantitation Limit µg/L	Results µg/L
Aldrin	0.5	U	Endrin Ketone	0.5	U
a-BHC	0.5	U	Heptachlor	0.5	U
b-BHC	0.5	U	Heptachlor Epoxide	0.5	U
d-BHC	0.5	U	Methoxychlor	2	U
g-BHC	0.5	U	Chlordane	0.5	U
4,4'-DDD	0.5	U	Toxaphene	2	U
4,4'-DDE	0.5	U	PCB-1016	0.5	U
4,4'-DDT	0.5	U	PCB-1221	0.5	U
Dieldrin	0.5	U	PCB-1232	0.5	U
Endosulfan I	0.5	U	PCB-1242	0.5	U
Endosulfan II	0.5	U	PCB-1248	0.5	U
Endosulfan Sulfate	0.5	U	PCB-1254	0.5	U
Endrin	0.2	U	PCB-1260	0.5	U
Endrin Aldehyde	0.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	86	%
Decachlorobiphenyl	29	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS:

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-1/2

Lab Sample ID: 45713-1
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	67	%
Decachlorobiphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-1/4

Lab Sample ID: 45713-2
Matrix: Soil
Percent Solid: 82
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	47	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-3
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove
Project Number: 995189.02
Field Sample ID: WC-2/2

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	11	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	36	U
4,4'-DDE	6	U	PCB-1016	17	U
4,4'-DDT	6	U	PCB-1221	17	U
Dieldrin	6	U	PCB-1232	17	U
Endosulfan I	6	U	PCB-1242	17	U
Endosulfan II	6	U	PCB-1248	17	U
Endosulfan Sulfate	6	U	PCB-1254	17	U
Endrin	6	U	PCB-1260	17	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	53	%
Decachlorobiphenyl	65	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: W2-2/4

Lab Sample ID: 45713-4
Matrix: Soil
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	11	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	36	U
4,4'-DDE	6	U	PCB-1016	17	U
4,4'-DDT	6	U	PCB-1221	17	U
Dieldrin	6	U	PCB-1232	17	U
Endosulfan I	6	U	PCB-1242	17	U
Endosulfan II	6	U	PCB-1248	17	U
Endosulfan Sulfate	6	U	PCB-1254	17	U
Endrin	6	U	PCB-1260	17	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	71	%
Decachlorobiphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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Mr. Bob Severance
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Portland ME 04102

July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-3/2

Lab Sample ID: 45713-5
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	66	%
Decachlorobiphenyl	69	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-6
Matrix: Soil
Percent Solid: 85
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-3/4

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	62	%
Decachlorobiphenyl	66	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-7
Matrix: Soil
Percent Solid: 78
Dilution Factor: 1.3
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-4/2

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	7	U	Endrin Ketone	7	U
a-BHC	7	U	Heptachlor	7	U
b-BHC	7	U	Heptachlor Epoxide	7	U
d-BHC	7	U	Methoxychlor	13	U
g-BHC	7	U	Chlordane	7	U
4,4'-DDD	7	U	Toxaphene	43	U
4,4'-DDE	7	U	PCB-1016	20	U
4,4'-DDT	7	U	PCB-1221	20	U
Dieldrin	7	U	PCB-1232	20	U
Endosulfan I	7	U	PCB-1242	20	U
Endosulfan II	7	U	PCB-1248	20	U
Endosulfan Sulfate	7	U	PCB-1254	20	U
Endrin	7	U	PCB-1260	20	U
Endrin Aldehyde	7	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	69	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-4/4

Lab Sample ID: 45713-8
Matrix: Soil
Percent Solid: 81
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	64	%
Decachlorobiphenyl	71	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-9
Matrix: Soil
Percent Solid: 81
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/19/01 **PCB Analyzed:** 07/19/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove
Project Number: 995189.02
Field Sample ID: WC-5/2

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	56	%
Decachlorobiphenyl	62	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-5/4

Lab Sample ID: 45713-10
Matrix: Soil
Percent Solid: 84
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	67	%
Decachlorobiphenyl	71	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-6/2

Lab Sample ID: 45713-11
Matrix: Soil
Percent Solid: 84
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65	%
Decachlorobiphenyl	69	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-6/4

Lab Sample ID: 45713-12
Matrix: Soil
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	11	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	36	U
4,4'-DDE	6	U	PCB-1016	17	U
4,4'-DDT	6	U	PCB-1221	17	U
Dieldrin	6	U	PCB-1232	17	U
Endosulfan I	6	U	PCB-1242	17	U
Endosulfan II	6	U	PCB-1248	17	U
Endosulfan Sulfate	6	U	PCB-1254	17	U
Endrin	6	U	PCB-1260	17	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	67	%
Decachlorobiphenyl	73	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-13
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove
Project Number: 995189.02
Field Sample ID: WC-7/2

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	11	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	36	U
4,4'-DDE	6	U	PCB-1016	17	U
4,4'-DDT	6	U	PCB-1221	17	U
Dieldrin	6	U	PCB-1232	17	U
Endosulfan I	6	U	PCB-1242	17	U
Endosulfan II	6	U	PCB-1248	17	U
Endosulfan Sulfate	6	U	PCB-1254	17	U
Endrin	6	U	PCB-1260	17	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	64	%
Decachlorobiphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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SAMPLE DATA

Lab Sample ID: 45713-14
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.1
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-8/2

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	11	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	36	U
4,4'-DDE	6	U	PCB-1016	17	U
4,4'-DDT	6	U	PCB-1221	17	U
Dieldrin	6	U	PCB-1232	17	U
Endosulfan I	6	U	PCB-1242	17	U
Endosulfan II	6	U	PCB-1248	17	U
Endosulfan Sulfate	6	U	PCB-1254	17	U
Endrin	6	U	PCB-1260	17	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	65	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-8/4

Lab Sample ID: 45713-15
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	58	%
Decachlorobiphenyl	77	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-16
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-D/2

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	67	%
Decachlorobiphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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July 23, 2001

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-D/4

Lab Sample ID: 45713-17
Matrix: Soil
Percent Solid: 86
Dilution Factor: 1.2
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	6	U	Endrin Ketone	6	U
a-BHC	6	U	Heptachlor	6	U
b-BHC	6	U	Heptachlor Epoxide	6	U
d-BHC	6	U	Methoxychlor	12	U
g-BHC	6	U	Chlordane	6	U
4,4'-DDD	6	U	Toxaphene	40	U
4,4'-DDE	6	U	PCB-1016	18	U
4,4'-DDT	6	U	PCB-1221	18	U
Dieldrin	6	U	PCB-1232	18	U
Endosulfan I	6	U	PCB-1242	18	U
Endosulfan II	6	U	PCB-1248	18	U
Endosulfan Sulfate	6	U	PCB-1254	18	U
Endrin	6	U	PCB-1260	18	U
Endrin Aldehyde	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	64	%
Decachlorobiphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: Results are expressed on a dry weight basis.

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603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Bob Severance
Woodard & Curran
41 Hutchins Drive
Portland ME 04102

July 23, 2001

SAMPLE DATA

Lab Sample ID: 45713-18
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 07/10/01
Lab Receipt Date: 07/11/01
Extraction Date: 07/13/01
Analysis Date: 07/18/01 **PCB Analyzed:** 07/18/01

CLIENT SAMPLE ID

Project Name: NASJRB Willow Grove

Project Number: 995189.02

Field Sample ID: WC-B

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L	COMPOUND	Quantitation Limit µg/L	Results µg/L
Aldrin	0.5	U	Endrin Ketone	0.5	U
a-BHC	0.5	U	Heptachlor	0.5	U
b-BHC	0.5	U	Heptachlor Epoxide	0.5	U
d-BHC	0.5	U	Methoxychlor	2	U
g-BHC	0.5	U	Chlordane	0.5	U
4,4'-DDD	0.5	U	Toxaphene	2	U
4,4'-DDE	0.5	U	PCB-1016	0.5	U
4,4'-DDT	0.5	U	PCB-1221	0.5	U
Dieldrin	0.5	U	PCB-1232	0.5	U
Endosulfan I	0.5	U	PCB-1242	0.5	U
Endosulfan II	0.5	U	PCB-1248	0.5	U
Endosulfan Sulfate	0.5	U	PCB-1254	0.5	U
Endrin	0.2	U	PCB-1260	0.5	U
Endrin Aldehyde	0.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	81	%
Decachlorobiphenyl	21*	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.

COMMENTS: *Surrogate recovery outside control limits. Secondary surrogate is in control.

Authorized signature

608/8081/8082

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PESTICIDE SOIL MATRIX SPIKE/DUPLICATE PERCENT RECOVERY

Project #: ### Quote #: NA SDG#: 45713

Instrument ID: F Site ID: NASJRB Willow Grove Location: Willow Grove PA

GC Columns: RTX-CLPesticidesI ID: 0.53(mm)
RTX-CLPesticidesII

Matrix Spike/Duplicate Sample ID: 45713-15

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS RECOVERY %	#	QC LIMITS % REC
a-BHC	19	U	15.0	79		37-134
g-BHC	19	U	14.6	76		40-120
b-BHC	19	U	16.3	85		17-147
d-BHC	19	U	21.8	114		19-140
Heptachlor	19	U	16.6	87		40-130
Aldrin	19	U	15.6	82		43-113
Heptachlor Epoxide	19	U	14.9	78		37-142
g-Chlordane	19	U	15.2	80		45-119
a-Chlordane	19	U	16.0	84		45-119
Endosulfan I	19	U	15.4	81		45-153
4,4-DDE	19	U	15.9	83		30-145
Dieldrin	19	U	15.7	82		42-132
Endrin	19	U	15.7	83		39-140
4,4-DDD	19	U	16	83		31-141
Endosulfan II	19	U	16.2	85		30-170
4,4- DDT	19	U	18	96		58-120
Endrin Aldehyde	19	U	17.9	94		30-170
Endosulfan Sulfate	19	U	22.4	118		26-144
Methoxychlor	19	U	19.0	100		30-170

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
a-BHC	19	14.7	77		2		50	37-134
g-BHC	19	14.3	75		2		50	40-120
b-BHC	19	15.9	83		2		50	17-147
d-BHC	19	21.4	112		2		50	19-140
Heptachlor	19	17.1	89		3		50	40-130
Aldrin	19	14.9	78		4		50	43-113
Heptachlor Epoxide	19	14.6	76		2		50	37-142
g-Chlordane	19	14.7	77		3		50	45-119
a-Chlordane	19	15.5	81		3		50	45-119
Endosulfan I	19	15.1	79		2		50	45-153
4,4-DDE	19	15.6	82		2		50	30-145
Dieldrin	19	15.4	80		2		50	42-132
Endrin	19	15.6	81		1		50	39-140
4,4-DDD	19	16	82		1		50	31-141
Endosulfan II	19	16	84		0		50	30-170
4,4- DDT	19	18	93		3		50	58-120
Endrin Aldehyde	19	16.7	87		7		50	30-170
Endosulfan Sulfate	19	21.9	114		2		50	26-144
Methoxychlor	19	18.9	99		1		50	30-170

D=Diluted out of range NA=Not applicable
# Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 6 outside limits
Spike Recovery:0 out of38 outside limits

Comments:

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PESTICIDE SOIL
LABORATORY CONTROL SPIKE/DUPLICATE PERCENT RECOVERY

Project #: 995189.02 Quote #: NA SDG#: 45713

Instrument ID: F Site ID: NASJRB Willow Grove Location: Willow Grove PA

GC Columns: RTX-CLPesticidesI ID: 0.53(mm)
RTX-CLPesticidesII

Laboratory Control Spike/Duplicate Sample ID: L07131PS-2/LD01301PS-2

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS RECOVERY %	#	QC LIMITS % REC
a-BHC	17	U	14.7	88		37-134
g-BHC	17	U	14.5	87		40-120
b-BHC	17	U	16.4	98		17-147
d-BHC	17	U	21.8	131		19-140
Heptachlor	17	U	15.1	91		40-130
Aldrin	17	U	14.6	88		43-113
Heptachlor Epoxide	17	U	14.5	87		37-142
g-Chlordane	17	U	14.0	84		45-119
a-Chlordane	17	U	14.4	87		45-119
Endosulfan I	17	U	14.6	87		45-153
4,4-DDE	17	U	14.6	88		30-145
Dieldrin	17	U	14.4	87		42-132
Endrin	17	U	15.0	90		39-140
4,4-DDD	17	U	15.1	91		31-141
Endosulfan II	17	U	15.7	94		30-170
4,4- DDT	17	U	15.6	94		58-120
Endrin Aldehyde	17	U	19.5	117		30-170
Endosulfan Sulfate	17	U	22.9	137		26-144
Methoxychlor	17	U	18.2	109		30-170

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	RPD	#	QC LIMITS RPD	QC LIMITS % REC.
a-BHC	17	14.4	87		2		50	37-134
g-BHC	17	14.2	85		2		50	40-120
b-BHC	17	16.3	98		1		50	17-147
d-BHC	17	21.8	131		0		50	19-140
Heptachlor	17	14.3	86		5		50	40-130
Aldrin	17	14.5	87		1		50	43-113
Heptachlor Epoxide	17	14.4	86		1		50	37-142
g-Chlordane	17	14.5	87		4		50	45-119
a-Chlordane	17	14.6	87		1		50	45-119
Endosulfan I	17	14.6	88		0		50	45-153
4,4-DDE	17	14.5	87		1		50	30-145
Dieldrin	17	14.5	87		0		50	42-132
Endrin	17	15.0	90		0		50	39-140
4,4-DDD	17	15.2	91		1		50	31-141
Endosulfan II	17	15.8	95		1		50	30-170
4,4- DDT	17	16.2	97		4		50	58-120
Endrin Aldehyde	17	19.8	119		2		50	30-170
Endosulfan Sulfate	17	24.2	145		6		50	30-170
Methoxychlor	17	17.9	107		2		50	30-170

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits
RPD: 0 out of 19 outside limits
Spike Recovery:0 out of 38 outside limits

Comments:

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ORGANOCHLORINE PESTICIDES LBAORATORY CONTROL SPIKE PERCENT RECOVERY

Project #: 995189.02 Quote #: NA SDG#: 45713

Instrument ID: F Site ID: NASJRB Willow Grove Location: Willow Grove P/

GC Columns: RTX-CLPesticidesI ID: 0.53(mm)
RTX-CLPesticidesII

Laboratory Control Spike Sample ID: L07131PWT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS RECOVERY %	#	QC LIMITS % REC
a-BHC	0.5	U	0.53	106		37-134
g-BHC	0.5	U	0.52	104		40-120
b-BHC	0.5	U	0.57	113		17-147
d-BHC	0.5	U	0.73	146	*	19-140
Heptachlor	0.5	U	0.48	97		40-130
Aldrin	0.5	U	0.50	101		43-113
Heptachlor Epoxide	0.5	U	0.49	98		37-142
g-Chlordane	0.5	U	0.48	96		45-119
a-Chlordane	0.5	U	0.50	99		45-119
Endosulfan I	0.5	U	0.50	100		45-153
4,4-DDE	0.5	U	0.49	97		30-145
Dieldrin	0.5	U	0.50	99		42-132
Endrin	0.5	U	0.50	100		39-140
4,4-DDD	0.5	U	0.51	102		31-141
Endosulfan II	0.5	U	0.53	106		30-170
4,4-DDT	0.5	U	0.53	106		58-120
Endrin Aldehyde	0.5	U	0.65	130		30-170
Endosulfan sulfate	0.5	U	0.80	160		30-170
Methoxychlor	0.5	U	0.57	114		30-170

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery:1 out of 19 outside limits

Comments:

Maine Environmental Laboratory

Report of Analyses

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Steve Knollmeyer
Analytics Environmental Laboratory LLC
195 Commerce Way
Portsmouth, NH 03801

July 23, 2001

Report No.: AEL1831-01

Enclosed are the results of the analyses requested on your samples. Samples were received in acceptable condition and were analyzed within the holding times specified in the referenced methods. All quality control data including method blanks, matrix spike samples, duplicate samples and laboratory control samples were within laboratory acceptance limits. Reporting detection limits are the minimum levels for reporting quantitative data. These limits are 3.18 times the method detection limit as defined in CFR 40 Part 136, Appendix B. Data reported between the reporting detection limit and the method detection limit are "J flagged" (estimated). Maine Environmental Laboratory is certified by Maine, Massachusetts and New Hampshire. A list of specific certified parameters is available upon request.

Sample Identification	Laboratory ID	Comments
WC-1/2C (45713-1)	AEL183101-01	
WC-1/4D (45713-2)	AEL183101-02	
WC-2/2C (45713-3)	AEL183101-03	
WC-2/4C (45713-4)	AEL183101-04	
WC-3/2C (45713-5)	AEL183101-05	
WC-3/4C (45713-6)	AEL183101-06	
WC-4/2C (45713-7)	AEL183101-07	
WC-4/4C (45713-8)	AEL183101-08	
WC-5/2C (45713-9)	AEL183101-09	
WC-5/4C (45713-10)	AEL183101-10	
WC-6/2C (45713-11)	AEL183101-11	
WC-6/4C (45713-12)	AEL183101-12	
WC-7/2C (45713-13)	AEL183101-13	
WC-8/2C (45713-14)	AEL183101-14	
WC-8/4C (45713-15)	AEL183101-15	
WC-D/2C (45713-16)	AEL183101-16	
WC-D/4C (45713-17)	AEL183101-17	
WC-BC (45713-18)	AEL183101-18	

References

EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.
SW8 - SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition, 1986.
STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
CLP - USEPA CLP Statement of Work for Inorganics, ILMO3.0.
AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature

Herbert S. Kodis, laboratory director

Maine Environmental Laboratory

Report of Analyses

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195 Commerce Way
Portsmouth, NH 03801

July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-01	Sample ID:	WC-1/2C (45713-1)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	21500		mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND		mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	5.7		mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	40	J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	1.36		mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND		mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	590		mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	14		mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	12		mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	20		mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	23100		mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND		mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	440		mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	870		mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND		mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	19		mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	228		mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.1	J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND		mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	111		mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND		mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND		mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	28		mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-02	Sample ID:	WC-1/4D (45713-2)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	18100	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	0.2 J	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	4.1	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	50	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.76	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	930	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	15	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	7	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	25	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	19300	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	580	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	990	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	0.05 J	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	17	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	206	mg/kg	07/19/01	22	7610/3050B	SW8
Selenium, total	0.2 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	109	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	7	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-03	Sample ID:	WC-2/2C (45713-3)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	16000	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	0.3 J	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	4.1	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	50	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	1.02	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	250	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	20	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	6	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	30	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	21400	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	100	mg/kg	07/19/01	7	7450/3050B	SW8
Manganese, total	680	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	8	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	204	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.1 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	105	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	3 J	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

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Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-04	Sample ID:	WC-2/4C (45713-4)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	15800	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	5.1	mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	70	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.91	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	550	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	21	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	7	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	5 J	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	16700	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	430	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	570	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	8	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	286	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	ND	mg/kg	07/20/01	0.3	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	107	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	3 J	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-05	Sample ID:	WC-3/2C (45713-5)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	19600		mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND		mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	4.8		mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	90		mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.88		mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND		mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	230		mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	18		mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	6		mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	20		mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	23500		mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND		mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	290		mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	770		mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	0.02	J	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	8		mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	329		mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.1	J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND		mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	94		mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND		mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND		mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	6		mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-06	Sample ID:	WC-3/4C (45713-6)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	13200	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	8.6	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	70	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.53	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	140	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	18	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	12	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	14	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	19000	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	52	mg/kg	07/19/01	7	7450/3050B	SW8
Manganese, total	1210	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	12	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	217	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.2 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	100	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	5 J	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-07	Sample ID:	WC-4/2C (45713-7)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	26600	mg/kg	07/17/01	800	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	8.3	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	30 J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.96	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.4	7130/3050B	SW8
Calcium, total	310	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	29	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	14	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	63	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	31400	mg/kg	07/19/01	800	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	8	7420/3050B	SW8
Magnesium, total	270	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	1380	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.02	7471A	SW8
Nickel, total	8	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	358	mg/kg	07/19/01	23	7610/3050B	SW8
Selenium, total	0.1 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	8	7760A/3050B	SW8
Sodium, total	92	mg/kg	07/17/01	9	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	6	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-08	Sample ID:	WC-4/4C (45713-8)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	18400	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	9.1	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	40 J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.56	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.4	7130/3050B	SW8
Calcium, total	160	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	26	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	11	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	7	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	24400	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	136	mg/kg	07/19/01	7	7450/3050B	SW8
Manganese, total	720	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	7	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	444	mg/kg	07/19/01	22	7610/3050B	SW8
Selenium, total	0.2 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	126	mg/kg	07/17/01	9	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	4 J	mg/kg	07/19/01	6	7950/3050B	SW8

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Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-09	Sample ID:	WC-5/2C (45713-9)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	1800		mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND		mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	6.6		mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	20	J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	1.05		mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND		mg/kg	07/18/01	1.4	7130/3050B	SW8
Calcium, total	300		mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	21		mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	6		mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	16		mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	27700		mg/kg	07/19/01	800	7380/3050B	SW8
Lead, total	2	J	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	109		mg/kg	07/19/01	7	7450/3050B	SW8
Manganese, total	480		mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND		mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	4	J	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	396		mg/kg	07/19/01	23	7610/3050B	SW8
Selenium, total	0.2	J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND		mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	101		mg/kg	07/17/01	9	7770/3050B	SW8
Thallium, total	ND		mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND		mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	5	J	mg/kg	07/19/01	6	7950/3050B	SW8

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-10	Sample ID:	WC-5/4C (45713-10)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	12200	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	0.4 J	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	6.5	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	20 J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.71	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	180	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	31	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	ND	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	4 J	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	34600	mg/kg	07/19/01	800	7380/3050B	SW8
Lead, total	6 J	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	134	mg/kg	07/19/01	7	7450/3050B	SW8
Manganese, total	510	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	6	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	760	mg/kg	07/19/01	40	7610/3050B	SW8
Selenium, total	0.2 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	79	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	2 J	mg/kg	07/19/01	6	7950/3050B	SW8

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-11	Sample ID:	WC-6/2C (45713-11)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	17700	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	0.5 J	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	6.4	mg/kg	07/18/01	0.4	7060A/3050B	SW8
Barium, total	40 J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	1.43	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	480	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	26	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	7	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	38	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	26800	mg/kg	07/19/01	800	7380/3050B	SW8
Lead, total	2 J	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	560	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	580	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	0.02 J	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	13	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	1080	mg/kg	07/19/01	40	7610/3050B	SW8
Selenium, total	0.1 J	mg/kg	07/20/01	0.4	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	122	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	33	mg/kg	07/19/01	6	7950/3050B	SW8

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Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-12	Sample ID:	WC-6/4C (45713-12)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	9600		mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	0.3	J	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	4.2		mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	50		mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.62		mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND		mg/kg	07/18/01	1.2	7130/3050B	SW8
Calcium, total	280		mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	19		mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	5	J	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	27		mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	16500		mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND		mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	101		mg/kg	07/19/01	7	7450/3050B	SW8
Manganese, total	740		mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND		mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	8		mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	174		mg/kg	07/19/01	20	7610/3050B	SW8
Selenium, total	ND		mg/kg	07/20/01	0.3	7740/3050B	SW8
Silver, total	ND		mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	145		mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND		mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND		mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	26		mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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Steve Knollmeyer
Analytics Environmental Laboratory LLC
195 Commerce Way
Portsmouth, NH 03801

July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-13	Sample ID:	WC-7/2C (45713-13)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	17100	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	4.8	mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	50	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	1.95	mg/kg	07/18/01	0.22	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	1420	mg/kg	07/17/01	70	7140/3050B	SW8
Chromium, total	16	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	14	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	25	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	19600	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	1260	mg/kg	07/19/01	70	7450/3050B	SW8
Manganese, total	950	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	17	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	378	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.1 J	mg/kg	07/18/01	0.3	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	117	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	5	7910/3050B	SW8
Zinc, total	44	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

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Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-14	Sample ID:	WC-8/2C (45713-14)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	16500	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	6.0	mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	60	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.79	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	490	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	14	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	14	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	6	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	20600	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	490	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	1230	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	0.03 J	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	13	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	151	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.1 J	mg/kg	07/18/01	0.3	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	136	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	12	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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Steve Knollmeyer
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Portsmouth, NH 03801

July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-15	Sample ID:	WC-8/4C (45713-15)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	13900	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	5.3	mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	50	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.90	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	390	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	14	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	8	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	3 J	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	14500	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	390	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	810	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	12	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	151	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.3	mg/kg	07/18/01	0.3	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	118	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	8	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-16	Sample ID:	WC-D/2C (45713-16)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	15900	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	7.6	mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	20 J	mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	1.28	mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	890	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	12	mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	7	mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	5 J	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	18100	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	480	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	970	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	0.02 J	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	9	mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	143	mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	0.2 J	mg/kg	07/20/01	0.3	7740/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	146	mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	10	mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-17	Sample ID:	WC-D/4C (45713-17)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	14300		mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	0.3	J	mg/kg	07/19/01	0.6	7041/3050B	SW8
Arsenic, total	4.8		mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	50		mg/kg	07/23/01	50	7080A/3050B	SW8
Beryllium, total	0.70		mg/kg	07/18/01	0.05	7091/3050B	SW8
Cadmium, total	ND		mg/kg	07/18/01	1.3	7130/3050B	SW8
Calcium, total	750		mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	15		mg/kg	07/19/01	6	7190/3050B	SW8
Cobalt, total	7		mg/kg	07/18/01	6	7200/3050B	SW8
Copper, total	3	J	mg/kg	07/18/01	6	7210/3050B	SW8
Iron, total	16500		mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND		mg/kg	07/18/01	7	7420/3050B	SW8
Magnesium, total	420		mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	790		mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	0.02	J	mg/kg	07/20/01	0.06	7471A	SW8
Nickel, total	13		mg/kg	07/19/01	6	7520/3050B	SW8
Potassium, total	128		mg/kg	07/19/01	21	7610/3050B	SW8
Selenium, total	ND		mg/kg	07/18/01	0.3	7740/3050B	SW8
Silver, total	ND		mg/kg	07/18/01	7	7760A/3050B	SW8
Sodium, total	141		mg/kg	07/17/01	8	7770/3050B	SW8
Thallium, total	ND		mg/kg	07/18/01	0.6	7841/3050B	SW8
Vanadium, total	ND		mg/kg	07/17/01	50	7910/3050B	SW8
Zinc, total	14		mg/kg	07/19/01	6	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Water
Laboratory ID:	AEL183101-18	Sample ID:	WC-BC (45713-18)

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Aluminum, total	ND	mg/L	07/17/01	0.2	0.6	7020/3010A	SW8
Antimony, total	ND	mg/L	07/19/01	0.002	0.005	7041/3005A	SW8
Arsenic, total	0.020	mg/L	07/17/01	0.001	0.004	7060A	SW8
Barium, total	0.1 J	mg/L	07/17/01	0.1	0.4	7080A/3010A	SW8
Beryllium, total	ND	mg/L	07/18/01	0.0002	0.0006	7091/3020A	SW8
Cadmium, total	0.0003 J	mg/L	07/16/01	0.0002	0.0006	7131A/3020A	SW8
Calcium, total	0.5	mg/L	07/23/01	0.1	0.3	7140/3010A	SW8
Chromium, total	0.006	mg/L	07/16/01	0.002	0.005	7191/3020A	SW8
Cobalt, total	ND	mg/L	07/20/01	0.1	0.4	7200/3010A	SW8
Copper, total	ND	mg/L	07/16/01	0.02	0.05	7210/3010A	SW8
Iron, total	0.04 J	mg/L	07/16/01	0.02	0.06	7380/3010A	SW8
Lead, total	0.005 J	mg/L	07/20/01	0.002	0.006	7421/3020A	SW8
Magnesium, total	0.10	mg/L	07/20/01	0.02	0.06	7450/3010A	SW8
Manganese, total	ND	mg/L	07/16/01	0.02	0.05	7460/3010A	SW8
Mercury, total	ND	mg/L	07/18/01	0.0002	0.0005	7470A	SW8
Nickel, total	ND	mg/L	07/23/01	0.002	0.007	7521/3020A	SW8
Potassium, total	0.3 J	mg/L	07/23/01	0.1	0.3	7610/3010A	SW8
Selenium, total	ND	mg/L	07/17/01	0.002	0.006	7740	SW8
Silver, total	ND	mg/L	07/17/01	0.02	0.05	7760A	SW8
Sodium, total	3.0	mg/L	07/23/01	0.1	0.3	7770/3010A	SW8
Thallium, total	ND	mg/L	07/18/01	0.002	0.005	7841/3020A	SW8
Vanadium, total	ND	mg/L	07/23/01	0.2	0.6	7910/3010A	SW8
Zinc, total	0.02 J	mg/L	07/16/01	0.02	0.05	7950/3010A	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No: AEL1831-01
Date received: 07/11/01
Project ID: 995189.02 NasJRB Willow Grove

Method Blank

Parameter	Results	units	Date Analyzed	Reporting Detection Limit	Method	Reference
Aluminum, total	ND	mg/kg	07/17/01	400	7020/3050B	SW8
Antimony, total	ND	mg/kg	07/19/01	0.5	7041/3050B	SW8
Arsenic, total	ND	mg/kg	07/18/01	0.3	7060A/3050B	SW8
Barium, total	ND	mg/kg	07/23/01	40	7080A/3050B	SW8
Beryllium, total	ND	mg/kg	07/18/01	0.04	7091/3050B	SW8
Cadmium, total	ND	mg/kg	07/18/01	1.1	7130/3050B	SW8
Calcium, total	ND	mg/kg	07/17/01	40	7140/3050B	SW8
Chromium, total	ND	mg/kg	07/19/01	5	7190/3050B	SW8
Cobalt, total	ND	mg/kg	07/18/01	5	7200/3050B	SW8
Copper, total	ND	mg/kg	07/18/01	5	7210/3050B	SW8
Iron, total	ND	mg/kg	07/19/01	400	7380/3050B	SW8
Lead, total	ND	mg/kg	07/18/01	6	7420/3050B	SW8
Magnesium, total	ND	mg/kg	07/19/01	40	7450/3050B	SW8
Manganese, total	ND	mg/kg	07/16/01	40	7460/3050B	SW8
Mercury, total	ND	mg/kg	07/20/01	0.05	7471A	SW8
Nickel, total	ND	mg/kg	07/19/01	5	7520/3050B	SW8
Potassium, total	ND	mg/kg	07/19/01	18	7610/3050B	SW8
Selenium, total	ND	mg/kg	07/20/01	0.3	7741A/3050B	SW8
Silver, total	ND	mg/kg	07/18/01	6	7760A/3050B	SW8
Sodium, total	ND	mg/kg	07/17/01	7	7770/3050B	SW8
Thallium, total	ND	mg/kg	07/18/01	0.5	7841/3050B	SW8
Vanadium, total	ND	mg/kg	07/17/01	40	7910/3050B	SW8
Zinc, total	ND	mg/kg	07/19/01	5	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

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Report of Analyses

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July 23, 2001

Report No: AEL1831-01
Date received: 07/11/01
Project ID: 995189.02 NasJRB Willow Grove

Laboratory Control Sample

Parameter	Results	True Value	units	Date Analyzed	% Recovery	Reporting Detection Limit	Method	Reference
Aluminum, total	33600	33100	mg/kg	07/17/01	102%	400	7020/3050B	SW8
Antimony, total	3.8	4.0	mg/kg	07/19/01	95%	0.5	7041/3050B	SW8
Arsenic, total	4.9	5.0	mg/kg	07/18/01	98%	0.3	7060A/3050B	SW8
Barium, total	420	450	mg/kg	07/23/01	93%	40	7080A/3050B	SW8
Beryllium, total	0.19	0.20	mg/kg	07/18/01	95%	0.04	7091/3050B	SW8
Cadmium, total	10.4	10.6	mg/kg	07/18/01	98%	1.1	7130/3050B	SW8
Calcium, total	6500	6300	mg/kg	07/17/01	103%	40	7140/3050B	SW8
Chromium, total	12	11	mg/kg	07/19/01	109%	5	7190/3050B	SW8
Cobalt, total	40	39	mg/kg	07/18/01	103%	5	7200/3050B	SW8
Copper, total	79	83	mg/kg	07/18/01	95%	5	7210/3050B	SW8
Iron, total	14600	15000	mg/kg	07/19/01	97%	400	7380/3050B	SW8
Lead, total	64	67	mg/kg	07/18/01	96%	6	7420/3050B	SW8
Magnesium, total	1420	1500	mg/kg	07/19/01	95%	40	7450/3050B	SW8
Manganese, total	800	800	mg/kg	07/16/01	100%	40	7460/3050B	SW8
Mercury, total	1.18	1.20	mg/kg	07/20/01	98%	0.05	7471A	SW8
Nickel, total	17	18	mg/kg	07/19/01	94%	5	7520/3050B	SW8
Potassium, total	360	480	mg/kg	07/19/01	75%	18	7610/3050B	SW8
Selenium, total	2.1	2.0	mg/kg	07/20/01	105%	0.3	7741A/3050B	SW8
Silver, total	17	18	mg/kg	07/18/01	94%	6	7760A/3050B	SW8
Sodium, total	410	500	mg/kg	07/17/01	82%	7	7770/3050B	SW8
Thallium, total	2.1	2.0	mg/kg	07/18/01	105%	0.5	7841/3050B	SW8
Vanadium, total	70	80	mg/kg	07/17/01	88%	40	7910/3050B	SW8
Zinc, total	199	200	mg/kg	07/19/01	99%	5	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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July 23, 2001

Report No: AEL1831-01
Date received: 07/11/01
Project ID: 995189.02 NasJRB Willow Grove
Laboratory ID: AEL183101-09

Sample matrix: Solid
Sample ID: WC-5/2C (45713-9)

Duplicate

Parameter	Results	Duplicate	units	Date Analyzed	RPD	Reporting Detection Limit	Method	Reference
Aluminum, total	18000	17300	mg/kg	07/17/01	3.97%	400	7020/3050B	SW8
Antimony, total	ND	ND	mg/kg	07/19/01	0.00%	0.6	7041/3050B	SW8
Arsenic, total	6.6	6.2	mg/kg	07/18/01	6.25%	0.4	7060A/3050B	SW8
Beryllium, total	1.05	1.03	mg/kg	07/18/01	1.92%	0.05	7091/3050B	SW8
Iron, total	27700	27400	mg/kg	07/19/01	1.09%	800	7380/3050B	SW8
Mercury, total	ND	ND	mg/kg	07/20/01	0.00%	0.06	7471A	SW8
Selenium, total	0.2 J	0.1	mg/kg	07/20/01	NA	0.4	7740/3050B	SW8
Thallium, total	ND	ND	mg/kg	07/18/01	0.00%	0.6	7841/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

Steve Knollmeyer
Analytics Environmental Laboratory LLC
195 Commerce Way
Portsmouth, NH 03801

July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-09	Sample ID:	WC-5/2C (45713-9)

Spike Sample Recovery Data

Parameter	Date Analyzed	Spike Recovery	Method	Reference
Antimony, total	07/19/01	92%	7041/3050B	SW8
Arsenic, total	07/18/01	86%	7060A/3050B	SW8
Beryllium, total	07/18/01	90%	7091/3050B	SW8
Mercury, total	07/20/01	100%	7471A	SW8
Selenium, total	07/20/01	110%	7740/3050B	SW8
Thallium, total	07/18/01	88%	7841/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@ime.net

Steve Knollmeyer
Analytics Environmental Laboratory LLC
195 Commerce Way
Portsmouth, NH 03801

July 23, 2001

Report No:	AEL1831-01	Sampler:	R. Severance
Date received:	07/11/01	Sampling date:	07/10/01
Project ID:	995189.02 NasJRB Willow Grove	Sample matrix:	Solid
Laboratory ID:	AEL183101-09	Sample ID:	WC-5/2C (45713-9)

MS/MSD

Parameter	Date Analyzed	Spike Recovery	Method	Reference
Manganese-MS	07/16/01	100%	7460/3050B	SW8
Manganese-MSD	07/16/01	80%	7460/3050B	SW8
Vanadium-MS	07/17/01	120%	7910/3050B	SW8
Vanadium-MSD	07/17/01	100%	7910/3050B	SW8
Calcium-MS	07/17/01	92%	7140/3050B	SW8
Calcium-MSD	07/17/01	90%	7140/3050B	SW8
Sodium-MS	07/17/01	92%	7770/3050B	SW8
Sodium-MSD	07/17/01	96%	7770/3050B	SW8
Cadmium-MS	07/18/01	88%	7130/3050B	SW8
Cadmium-MSD	07/18/01	88%	7130/3050B	SW8
Lead-MS	07/18/01	86%	7420/3050B	SW8
Lead-MSD	07/18/01	88%	7420/3050B	SW8
Copper-MS	07/18/01	84%	7210/3050B	SW8
Copper-MSD	07/18/01	84%	7210/3050B	SW8
Silver-MS	07/18/01	100%	7760A/3050B	SW8
Silver-MS	07/18/01	96%	7760A/3050B	SW8
Barium-MS	07/23/01	115%	7080A/3050B	SW8
Barium-MSD	07/23/01	110%	7080A/3050B	SW8
Cobalt-MS	07/18/01	104%	7200/3050B	SW8
Cobalt-MSD	07/18/01	88%	7200/3050B	SW8
Chromium-MS	07/19/01	105%	7190/3050B	SW8
Chromium-MSD	07/19/01	105%	7190/3050B	SW8
Nickel-MS	07/19/01	100%	7520/3050B	SW8
Nickel-MSD	07/19/01	92%	7520/3050B	SW8
Potassium-MS	07/19/01	86%	7610/3050B	SW8
Potassium-MSD	07/19/01	80%	7610/3050B	SW8
Zinc-MS	07/19/01	98%	7950/3050B	SW8
Zinc-MSD	07/19/01	108%	7950/3050B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

MEL AEL1831.01

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 3°
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by: AD

Project#: 995189.02 Proj. Name: NASJRB Willow Grove
Company: ANALYTICS
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote # 062201-01
Sampler (Signature): Robert W. Severance

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwate, DW=Drinkingwater, S=Soil/Sludge, O=Oil, E=Extract, X=Other

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4oC	HNO3	H2SO4	HCL	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-1 /2C	7/10/01	09:30	TAL Metals - RCRA		X					S	1	G		45713 -1
WC-1 /4D	7/10/01	1000			X					S	1	G		2
WC-2 /2C	7/10/01	1035			X					S	1	G		3
~~WC-4~~ WC-2/4C	7/10/01	1035			X					S	1	G		4
WC-3/2C	7.10.01	1130			X					S	1	G		5
WC-3 /4C	7.10.01	1130			X					S	1	G		6
WC-4/2C	7.10.01	1245			X					S	1	G		7
WC-4/4C	7.10.01	1245			X					S	1	G		8
WC-5/2C	7.10.01	1400			X					S	1	G		9
WC-5/4C	7:10.01	1400			X					S	1	G		10
WC-6/2C	7.10.01	14:45			X					S	1	G		11
WC-6/4C	7.10.01	14:45			X					S	1	G		12

FAX RESULTS? YES NO
Fax #: 603-430-2151

Turnaround Request
Standard ☒ Due Date 7/23/01
Priority ☐ Due Date

Comments / Instructions:
AEL to do solid %
Level II QC Pkg

Page 1 of 2

Received By:	Received By:	Received By:
Time:	Time: 2:28pm	Time:
Date:	Date: 7/11/01	Date:
Relinquished By Sampler:	Relinquished By:	Relinquished By:

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MEL AEL 1831-01

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195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: 995189.02 Proj. Name: NASJRB Willow Grove
Company: ANALYTICS
Contact: Stephen Knollmeyer
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# Quote # 062201-01
Sampler (Signature): Robert W. Severance

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwate
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-7/2C	7-10-01	15:10	TAL Metals - RCRA		X					S	G	1		45713-13
WC-8/2C	7-10-01	16:15			X					S	G	1		-14
WC-8/4C	7-10-01	16:15			X					S	G	1		-15
WC-D/2C	7-10-01	16:15			X					S	G	1		-16
WC-D/4C	7-10-01	16:15			X					S	G	1		-17
WC-BC	7-10-01	1230	TAL Metals		X	X				W	P	1		-18

Comments / Instructions:
AEL to Do Solid %
Level II QC Pkg

FAX RESULTS? (YES) NO
Fax #: 603-430-2151

Turnaround Request
Standard [X] Due Date 7/23/01
Priority [ ] Due Date _____

Page 2 of 2

Received By: Time: Date:
Received By: L. Sel Time: 2:28 pm Date: 7/11/01
Received By: Time: Date:
Relinquished By Sampler:
Relinquished By: Time: Date:
Relinquished By: Time: Date:

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195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: MD 07/11/01

Project#: 99588.02 Proj. Name: NASJEB Willow Grove
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W Severance

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4oC	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-1 /2A	7/10/01	0930	Voc low level		✓						Encore		45713-1
" /2b	"	"	"		✓						Encore		
" /2	"	"	5035		✓				✓		10 mL		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/8082 8270		✓						8 oz		
WC-1 /4a	7/10/01	1000	Voc low level		✓								-2
" /4b	"	"	"		✓								
" /4c	"	"	5035		✓								
" /4d	"	"	TAL Metals		✓								
" /4	"	"	8081/8082 8270		✓								

Preservation

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Priority ☐
Due Date 7/25/01 Due Date

Comments / Instructions:
Sludge Drying Bed #6

Page 1 of 10

Received By: Fed Ex	Received By: Melissa Gadsell	Received By:
Time: 7000	Time: 10:30	Time:
Date: 7/10/01	Date: 7/11/01	Date:
Relinquished By Sampler: Robert W Severance	Relinquished By: Fed Ex	Relinquished By:

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Phone (603) 436-5111
Fax (603) 430-2151

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Samples were:
1) Shipped or hand-deliv red
2) T mp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: VAD 07/11/01

Project#: 995789.02 Proj. Name: NASJRB Willow Grove
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W. Severance

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-2/2	7/10/01	1035	5035		✓				✓		40 mL		45713-3
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						"		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-2/4	7/10/01	1035	5035		✓				✓		40 mL		-4
" /4a	"	"	VOC		✓						Encore		
" /4b	"	"	VOC		✓						Encore		
" /4c	"	"	TAL Metals		✓						8 oz		
" /4d	"	"	8081/82 8270		✓						8 oz		

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Priority ☐
Due Date 7/25/01 Due Date

Comments / Instructions:
Sludge Bed No. 7
7/11/01 ~~12:34~~ my - No sample containers (encore (labeled) WC-2/4 - 2 encores with no IDs on them at all - per Bob Severance @ Woodard + Curran - Run as WC-2/4

Page 2 of 10

Received By: Fed Ex	Received By: Michelle Ashfield	Received By:
Time: 2000	Time: 10:30	Time:
Date: 7-10-01	Date: 7/11/01	Date:
Relinquished By Sampler: Robert W. Severance	Relinquished By: Fed Ex	Relinquished By:

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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: ✓ AD 07/11/01

Project#: 995189.02 Proj. Name: Willow Grove NAS JRB
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W Severance

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-3/2	7-10-01	1130	5035		✓				✓		40 ml		45713-5
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						Encore		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-3/4	7-10-01	1130	5035		✓				✓		40 ml		-6
" /4a	"	"	VOC		✓						Encore		
" /4b	"	"	VOC		✓						Encore		
" /4c	"	"	TAL Metals		✓						8 oz		
" /4d	"	"	8081/82 8270		✓						8 oz		

Received By: Fed Ex Time: 20:00 Date: 7-10-01
Received By: Allen A Smith Time: 10:30 Date: 7/11/01
Received By: Time: Date:

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ✓ Due Date 7/25/01
Priority Due Date

Comments / Instructions:

Sludge Bed #8

7/11/01 mg 12:34 Missing Encores for WC-3/4 - extra set for WC-4/4. Per Bob Severance @ W/C Run both sets - label one set WC-3/4 the second WC-4/4. He will attempt to straighten out.

Page 3 of 10

Relinquished By Sampler: Robert W Severance
Relinquished By: Fed Ex
Relinquished By:

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Portsmouth, NH 03801
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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: VAD07/11/01

Project#: 995789.02 Proj. Name: NASJRB Willow Grove
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W. Severance

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-4/2	7-10-01	1245	5035		✓				✓		40 ml		45713-7
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						Encore		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-4/4	7-10-01	1245	5035		✓				✓		40 ml		-8
" /4a	"	"	VOC		✓						Encore		
" /4b	"	"	VOC		✓						Encore		
" /4c	"	"	TAL Metals		✓						8 oz		
" /4d	"	"	8081/82 8270		✓						8 oz		

FAX RESULTS? YES NO
Fax # _____

Turnaround Request
Standard ☑ Priority ☐
Due Date 7/25/01 Due Date _____

Comments / Instructions:
Sludge Bed #9

Received By: Ted Ex	Received By: Melissa Ritchie	Received By:
Time: 2000	Time: 1030	Time:
Date: 7/10/01	Date: 7-11-01	Date:
Relinquished By Sampler: Robert W. Severance	Relinquished By: Ted Ex 1	Relinquished By:

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analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: VAD 07/11/01

Project#: 99.5788.02 Proj. Name: NASTRB Willow Grove
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W Severance

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, F=Extract, X=Other

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO3	H2SO4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-5/2	7-10-01	1400	5035		✓				✓		40 ml		45713-9
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						Encore		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-5/4	7-10-01	1400	5035		✓				✓		40 ml		-10
" /4a	"	"	VOC		✓						Encore		
" /4b	"	"	VOC		✓						Encore		
" /4c	"	"	TAL Metals		✓						8 oz		
" /4d	"	"	8081/82 8270		✓						8 oz		

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Priority ☐
Due Date 7/25/01 Due Date

Comments / Instructions:
Sludge Bed #4

Received By: Rick Ex	Received By: Melissa Corbett	Received By:
Time: 2000	Time: 10:30	Time:
Date: 7-10-01	Date: 7/11/01	Date:
Relinquished By Sampler: Robert W Severance	Relinquished By: Rick Ex	Relinquished By:

Page 5 of 10

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195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C N/A
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: VAD07/11/01

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, F=Extract, X=Other

Container Key: P=plastic G=glass

Project#: 99589.02 Proj. Name: NASRB Willow Grove
Company: Woodard + Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W Severance

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4oC	HNO3	H2SO4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-6/2	7-10-01	1445	5035		✓				✓		40 ml		45713-11
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						Encore		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-6/4	7-10-01	1445	5035		✓				✓		40 ml		-12
" /4a	"	"	VOC		✓						Encore		
" /4b	"	"	VOC		✓						Encore		
" /4c	"	"	TAL Metals		✓						8 oz		
" /4d	"	"	8081/82 8270		✓						8 oz		

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Due Date 7/25/01
Priority ☐ Due Date

Comments / Instructions:
Sludge Bed # 3

Received By:	Received By:	Received By:
Fed Ex	Melissa Aubin	
Time: 2000	Time: 1030	Time:
Date: 7/6/01	Date: 7-11-01	Date:
Relinquished By Sampler: Robert W Severance	Relinquished By: Fed Ex	Relinquished By:

Page 6 of 10

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analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

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Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition (Y) or N
4) pH checked by: N/A
5) Labels checked by: VA 07/11/01

Project#: 995789.02 Proj. Name: NASJRB Willow Grove
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W Severance

Matrix Key: WW=Wastewater, SW=Surfacewater, GW=Groundwater, DW=Drinkingwater, S=Soil/Sludge, O=Oil, F=Extract, X=Other

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-7/2	7-10-01	1510	5035		✓				✓		40 ml		45713-13
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						Encore		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-7/4	7-10-01	1510	5035		✓				✓		40 ml		
/4a	"	"	VOC		✓						Encore		
/4b	"	"	VOC		✓						Encore		
/4c	"	"	TAL Metals		✓						8 oz		
/4d	"	"	8081/82 8270		✓						8 oz		

UNABLE TO RECOVER SAMPLE

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Priority ☐
Due Date 7/25/01 Due Date

Comments / Instructions:
Sludge Bed #2

Received By:	Received By:	Received By:
Fed Ex	[signature]	
Time: 2000	Time: 10:30	Time:
Date: 7-10-01	Date: 7/11/01	Date:

Relinquished By Sampler:	Relinquished By:	Relinquished By:
[signature]	Fed Ex	

Page 7 of 10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition (Y) or N
4) pH checked by: N/A
5) Labels checked by: VAD 07/11/01

Project#: 995789.02 Proj. Name: NASJRB Willow Grove
Company: Woodard & Curran
Contact: Bob Severence
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): Robert W Severence

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4oC	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-8/2	7-10-01	1615	5035		✓				✓		40ml		45713-~~1574~~ 7-11-01
" /2a	"	"	VOC		✓						Encore		
" /2b	"	"	VOC		✓						Encore		
" /2c	"	"	TAL Metals		✓						8 oz		
" /2d	"	"	8081/82 8270		✓						8 oz		
WC-8/4	7-10-01	1615	5035		✓				✓		40ml		~~1615~~ 7-11-01
" /4a	"	"	VOC		✓						Encore		
" /4b	"	"	VOC		✓						Encore		
" /4c	"	"	TAL Metals		✓						8 oz		
" /4d	"	"	8081/82 8270		✓						8 oz		

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Priority ☐
Due Date 7/25/01 Due Date

Comments / Instructions:
Sludge Bed #1

8 oz JARS may have L 8 oz

Received By: Fed Ex Time: 2000 Date: 7-10-01
Received By: Melissa Gulick Time: 1030 Date: 7/11/01
Received By: Time: Date:
Relinquished By Sampler: Time: Date:
Relinquished By: Fed Ex Time: Date:
Relinquished By: Time: Date:

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: VAD 07/11/01

Project#: 995789.02 Proj. Name: NASJRB Willow Grove
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hopkins Drive
Portsmouth NH 03801
Phone: 202 774-2112 PO# Quote #
Sampler (Signature): Robert W Severance

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4oC	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-01	7-10-01	1615	5035		✓				✓		40 ml		45713-~~17~~16 m7.11.01
12a	"	"	VOC		✓						encore		
12b	"	"	VOC		✓						encore		
12c	"	"	TAL Metals		✓						8 oz		
12d	"	"	8081/82 8270		✓						8 oz		
WC-014	7-10-01	"	5035		✓				✓		40 ml		~~18~~17 m7.11.01
14a	"	"	VOC		✓						encore		
14b	"	"	VOC		✓						encore		
14c	"	"	TAL Metals		✓						8 oz		
14d	"	"	8081/82 8270		✓						8 oz		

FAX RESULTS? YES NO
Fax # _____

Turnaround Request
Standard ☑ Priority ☐
Due Date 07/25/01 Due Date _____

Comments / Instructions:

WC-0 ← "0" as in Dog for Duplicate
Duplicate of WC-8
Sludge Bed 7

8 oz JARS may have ∠ 8 oz

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Received By:	Received By:	Received By:
Fed Ex	Melissa Andrews	
Time: 2000	Time: 1030	Time:
Date: 7-10-01	Date: 7.11.01	Date:
Relinquished By Sampler: Robert W Severance	Relinquished By: Fed Ex	Relinquished By:

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition Y or N
4) pH checked by: N
5) Labels checked by: VAD 07/11/01

Project#: 9985789.02 Proj. Name: NASJRB Willow Circle
Company: Woodard & Curran
Contact: Bob Severance
Address: 41 Hutchins Drive
Portland ME 04102
Phone: 207 774-2112 PO# Quote #
Sampler (Signature): [signature]

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-B	7-10-01	1230	~~VOC 8260~~		✓			✓			40 ml		45713-18
" Ba	"	"	VOC 8260 (MJ 7/11/01)		✓			✓			40 ml		
" Bb	"	"	~~VOC 8260~~		✓			✓			40 ml		
" Bc	"	"	~~8~~ TAL Metals		✓	✓					1 l Plastic		
" Bd	"	"	8081/82		✓								
" Be	"	"	8270		✓								

Received By: Fed Ex — Time: 2000 — Date: 7-10-01
Received By: [signature] — Time: 1030 — Date: 7-11-01
Received By: — Time: — Date:

Relinquished By Sampler: [signature]
Relinquished By: Fed Ex
Relinquished By:

FAX RESULTS? YES NO
Fax #

Turnaround Request
Standard ☑ Due Date 7/25/01
Priority ☐ Due Date

Comments / Instructions:
7/11/01 MJ 12:34 Per Bob Severance @ Woodard + Curran VOID 45713-18 for VOC due to headspace in containers

FIELD BLANKS
pick INSUFFICIENT DI to complete Be used CVS DISTILLED WATER for 1/2 sample

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