DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC
9742 MARYLAND AVENUE
NORFOLK, VA 23511-3095

IN REPLY REFER TO:
PUBLIC WORKS DEPARTMENT MAINE
ROICC BRUNSWICK NAVAL AIR STATION
437 HUEY DRIVE, BLDG. 53
BRUNSWICK, ME 04011
4280
Ser 0276/R10
October 4, 2007

Mr. Mike Daly
Project Manager
Federal Facillities Superfund Section
United States Environmental Protection Agency (EPA)
1 Congress Street, Suite 1100 (HBT)
Boston, MA 02114-2023

Ms. Claudia Sait
Project Manager
Maine Department of Environmental Protection (MEDEP)
Bureau of Remediation & Waste Management
17 State House Station
Augusta, ME 04333-0017

SUBJECT: Sample Results for Ash Piles for Site 9 Removal Action at Naval Air Station Brunswick, Maine

Dear Mr. Daly and Ms. Sait:

Enclosed you will find the lab results from sampling of ash piles labeled P7-1a and P7-2a performed in accordance with the Final Letter Workplan for the subject contract. According to the results of the piles sampled and analyzed, none of the values exceed the respective TCLP value (or estimated value using the 20x rule). If no TCLP value existed for contaminant analyzed, then the detected concentration was compared to the Region 9 Preliminary Remediation Goals (PRG) Table (October 2004), since Region 1 uses Region 9 for residential soil levels. Since the TCLP values were not exceeded, none of the piles require hazardous waste disposal, but are deemed special waste since some values are above the soil PRGs. Based on these results, the Navy intends to dispose of this material as special waste.

If you have any questions or comments, please contact the Navy's RPM, Lonnie Monaco, at (215) 897-4911 or myself at (207) 921-2325.

Sincerely,

Joseph Gallant
Supervisory General Engineer

Enclosure:
Lab Results

VOC TCLP Summary Table - P7-1A, P7-2A					
Client Sample:				**S9-P7-1A**	**S9-P7-2A**
				Total	**Total**
		TCLP Limit	**20x TCLP Limit**	**VOCs**	**VOCs**
ANALYTE	**EPA HW #**	**(mg/L)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
Benzene	D018	0.5	10	<0.01	<0.01
Carbon Tetrachloride	D019	0.5	10	<0.01	<0.01
Chlorobenzene	D021	100.0	2000	<0.01	<0.01
Chloroform	D022	6.0	120	<0.01	<0.01
1,4-Dichlorobenzene	D027	7.5	150	<0.01	<0.01
1,2-Dichloroethane	D028	0.5	10	<0.01	<0.01
1,1-Dichloroethene	D029	0.7	14	<0.01	<0.01
Methyl Ethyl Ketone	D035	200.0	4000	<0.18	<0.16
Tetrachloroethene	D039	0.7	14	<0.01	<0.01
Trichloroethene	D040	0.5	10	<0.01	<0.01
Vinyl Chloride	D043	0.2	4	<0.01	<0.01

Notes:

1) Values are reported as actuals or less than ("<") Laboratory MDLs.

2) "**Bold**" indicates exceedance of TCLP Regulatory Limit by 20x Equivalent Rule

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Rob Schuster
RC & D
17 Gordon Avenue, Suite 205
Providence, RI 02905-1952

RE: BNAS
ESS Laboratory Work Order Number: 0709333

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: October 01, 2007

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on September 25, 2007 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0709333-01	Soil	S9-P7-2A
0709333-02	Soil	S9-P7-1A
0709333-03	Solid	Trip blank

CHEMTECH

CASE NARRATIVE

ESS Laboratory, inc.
Project Name: Atlas
Project # N/A
Chemtech Project # Y4613

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 9/26/07.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: and TCLP Herbicides. This data package contains results for TCLP Herbicides.

C. Analytical Techniques:
The analyses were performed on instrument GCECD 8. The front column is RTX-CLPest which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 11139. The rear column is RTX-CLPestII which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog # 11324.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Name: Mildred V. Reyes

Date: 10/1/07 Title: QA/QC

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

0709333-01	Methylene Chloride	Present in Blank.
0709333-02	Methylene Chloride	Present in Blank.
0709333-03	Methylene Chloride	Present in Blank.
BI72601-BS1	Methylene Chloride	Present in Blank.
	Toluene-d8	Surrogate recovery is below lower control limit.
BI72601-BSD1	Methylene Chloride	Present in Blank.

Maine 4.1.25 Diesel Range Organics

BI72722-BSD1	Decane (C10)	Relative percent difference for duplicate is outside of criteria.
	Dodecane (C12)	Relative percent difference for duplicate is outside of criteria.
	Hexacosane (C26)	Relative percent difference for duplicate is outside of criteria.
	Hexadecane (C16)	Relative percent difference for duplicate is outside of criteria.
	Octacosane (C28)	Relative percent difference for duplicate is outside of criteria.
	Tetradecane (C14)	Relative percent difference for duplicate is outside of criteria.

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 100
Final Volume: 5
Extraction Method: 3510C

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: IBM
Prepared: 09/27/07
TCLP Date: 9/25/07

1311/8081A Pesticide TCLP Compounds

Analyte	Results	Units	MRL	TCLP Limit	DF	Analyzed
Chlordane (Total)	ND	mg/L	0.0050	0.03	1	09/28/07
Endrin	ND	mg/L	0.0005	0.02	1	09/28/07
gamma-BHC (Lindane)	ND	mg/L	0.0005	0.4	1	09/28/07
Heptachlor	ND	mg/L	0.0005	0.008	1	09/28/07
Heptachlor Epoxide	ND	mg/L	0.0005	0.008	1	09/28/07
Methoxychlor	ND	mg/L	0.0005	10	1	09/28/07
Toxaphene	ND	mg/L	0.0130	0.5	1	09/28/07

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*110 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*108 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*95 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*101 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil

TCLP Date: 9/25/07

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/L	0.05	1311/6010B	5	1	SVD	09/26/07	50	50
Barium	**0.43**	mg/L	0.05	1311/6010B	100	1	SVD	09/26/07	50	50
Cadmium	**0.007**	mg/L	0.005	1311/6010B	1	1	SVD	09/26/07	50	50
Chromium	ND	mg/L	0.02	1311/6010B	5	1	SVD	09/26/07	50	50
Lead	**0.05**	mg/L	0.02	1311/6010B	5	1	SVD	09/26/07	50	50
Mercury	ND	mg/L	0.0005	1311/7470A	0.2	1	JP	09/27/07	20	40
Selenium	ND	mg/L	0.05	1311/6010B	1	1	SVD	09/26/07	50	50
Silver	ND	mg/L	0.010	1311/6010B	5	1	SVD	09/26/07	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil

1311/8151A TCLP Herbicide Compounds

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
2,4,5-TP (Silvex)	See Attached								1	1
2,4-D	See Attached								1	1

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, Inc.	Date Collected:	9/24/2007
Project:	Atlas	Date Received:	9/26/2007
Client Sample ID:	0709333-01	SDG No.:	Y4613
Lab Sample ID:	Y4613-01	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009375.D	1	9/27/2007	9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	1.000	U	2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	1.000	U	2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	584.28	117 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 200
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 09/26/07
TCLP Date: 9/25/07

1311/8270C Semi Volatile TCLP Compounds

Analyte	Results	Units	MRL	TCLP Limit	DF	Analyzed
2,4,5-Trichlorophenol	ND	mg/L	0.05	400	1	09/29/07
2,4,6-Trichlorophenol	ND	mg/L	0.05	2	1	09/29/07
2,4-Dinitrotoluene	ND	mg/L	0.05	0.13	1	09/29/07
2-Methylphenol	ND	mg/L	0.05	200	1	09/29/07
3+4-Methylphenol	ND	mg/L	0.10	200	1	09/29/07
Hexachlorobenzene	ND	mg/L	0.05	0.13	1	09/29/07
Hexachlorobutadiene	ND	mg/L	0.05	0.5	1	09/29/07
Hexachloroethane	ND	mg/L	0.02	3	1	09/29/07
Nitrobenzene	ND	mg/L	0.05	2	1	09/29/07
Pentachlorophenol	ND	mg/L	0.25	100	1	09/29/07
Pyridine	ND	mg/L	0.50	5	1	09/29/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*89 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*72 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: 2-Fluorophenol	*63 %*		*15-110*
Surrogate: Nitrobenzene-d5	*83 %*		*30-130*
Surrogate: Phenol-d6	*74 %*		*15-110*
Surrogate: p-Terphenyl-d14	*109 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 22
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	78.9	25.3		1	09/26/07
1,1,1-Trichloroethane	ND	ug/Kg dry	39.5	9.5		1	09/26/07
1,1,2,2-Tetrachloroethane	ND	ug/Kg dry	39.5	11.0		1	09/26/07
1,1,2-Trichloroethane	ND	ug/Kg dry	39.5	16.6		1	09/26/07
1,1-Dichloroethane	ND	ug/Kg dry	39.5	11.0		1	09/26/07
1,1-Dichloroethene	ND	ug/Kg dry	39.5	8.7		1	09/26/07
1,1-Dichloropropene	ND	ug/Kg dry	39.5	7.1		1	09/26/07
1,2,3-Trichlorobenzene	ND	ug/Kg dry	39.5	8.7		1	09/26/07
1,2,3-Trichloropropane	ND	ug/Kg dry	39.5	19.7		1	09/26/07
1,2,4-Trichlorobenzene	ND	ug/Kg dry	39.5	7.9		1	09/26/07
1,2,4-Trimethylbenzene	ND	ug/Kg dry	39.5	8.7		1	09/26/07
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	197	78.9		1	09/26/07
1,2-Dibromoethane	ND	ug/Kg dry	39.5	7.9		1	09/26/07
1,2-Dichlorobenzene	ND	ug/Kg dry	39.5	7.9		1	09/26/07
1,2-Dichloroethane	ND	ug/Kg dry	39.5	9.5		1	09/26/07
1,2-Dichloropropane	ND	ug/Kg dry	39.5	11.0		1	09/26/07
1,3,5-Trimethylbenzene	ND	ug/Kg dry	39.5	10.3		1	09/26/07
1,3-Dichlorobenzene	ND	ug/Kg dry	39.5	8.7		1	09/26/07
1,3-Dichloropropane	ND	ug/Kg dry	39.5	7.1		1	09/26/07
1,4-Dichlorobenzene	ND	ug/Kg dry	39.5	10.3		1	09/26/07
1-Chlorohexane	ND	ug/Kg dry	39.5	9.5		1	09/26/07
2,2-Dichloropropane	ND	ug/Kg dry	78.9	18.2		1	09/26/07
2-Butanone	ND	ug/Kg dry	986	161		1	09/26/07
2-Chlorotoluene	ND	ug/Kg dry	39.5	11.0		1	09/26/07
2-Hexanone	ND	ug/Kg dry	395	39.5		1	09/26/07
4-Chlorotoluene	ND	ug/Kg dry	39.5	9.5		1	09/26/07
4-Isopropyltoluene	ND	ug/Kg dry	39.5	9.5		1	09/26/07
4-Methyl-2-Pentanone	ND	ug/Kg dry	395	49.7		1	09/26/07
Acetone	ND	ug/Kg dry	986	335		1	09/26/07
Benzene	ND	ug/Kg dry	39.5	11.0		1	09/26/07
Bromobenzene	ND	ug/Kg dry	39.5	7.9		1	09/26/07
Bromochloromethane	ND	ug/Kg dry	39.5	11.8		1	09/26/07
Bromodichloromethane	ND	ug/Kg dry	39.5	10.3		1	09/26/07
Bromoform	ND	ug/Kg dry	39.5	8.7		1	09/26/07
Bromomethane	ND	ug/Kg dry	78.9	7.9		1	09/26/07

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 22
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Carbon Disulfide		ND	ug/Kg dry	39.5	9.5	1	09/26/07
Carbon Tetrachloride		ND	ug/Kg dry	39.5	10.3	1	09/26/07
Chlorobenzene		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Chloroethane		ND	ug/Kg dry	78.9	23.7	1	09/26/07
Chloroform		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Chloromethane		ND	ug/Kg dry	78.9	11.8	1	09/26/07
cis-1,2-Dichloroethene		ND	ug/Kg dry	39.5	11.0	1	09/26/07
cis-1,3-Dichloropropene		ND	ug/Kg dry	39.5	7.9	1	09/26/07
Dibromochloromethane		ND	ug/Kg dry	39.5	6.3	1	09/26/07
Dibromomethane		ND	ug/Kg dry	39.5	10.3	1	09/26/07
Dichlorodifluoromethane		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Ethylbenzene		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Hexachlorobutadiene		ND	ug/Kg dry	39.5	17.4	1	09/26/07
Isopropylbenzene		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Methyl tert-Butyl Ether		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Methylene Chloride	B, J	**40.2**	ug/Kg dry	197	15.0	1	09/26/07
Naphthalene		ND	ug/Kg dry	39.5	6.3	1	09/26/07
n-Butylbenzene		ND	ug/Kg dry	39.5	8.7	1	09/26/07
n-Propylbenzene		ND	ug/Kg dry	39.5	7.9	1	09/26/07
sec-Butylbenzene		ND	ug/Kg dry	39.5	9.5	1	09/26/07
Styrene		ND	ug/Kg dry	39.5	9.5	1	09/26/07
tert-Butylbenzene		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Tetrachloroethene		ND	ug/Kg dry	39.5	9.5	1	09/26/07
Toluene		ND	ug/Kg dry	39.5	10.3	1	09/26/07
trans-1,2-Dichloroethene		ND	ug/Kg dry	39.5	12.6	1	09/26/07
trans-1,3-Dichloropropene		ND	ug/Kg dry	39.5	9.5	1	09/26/07
Trichloroethene		ND	ug/Kg dry	39.5	8.7	1	09/26/07
Trichlorofluoromethane		ND	ug/Kg dry	39.5	10.3	1	09/26/07
Vinyl Chloride		ND	ug/Kg dry	39.5	9.5	1	09/26/07
Xylene O		ND	ug/Kg dry	39.5	7.1	1	09/26/07
Xylene P,M		ND	ug/Kg dry	78.9	18.9	1	09/26/07

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-120*
Surrogate: 4-Bromofluorobenzene	*91 %*		*75-120*
Surrogate: Dibromofluoromethane	*103 %*		*85-115*
Surrogate: Toluene-d8	*94 %*		*85-120*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 19.9
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/27/07

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
Aroclor 1016	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1221	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1232	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1242	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1248	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1254	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1260	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1262	ND	ug/Kg dry	53.5	16.0		1	09/28/07
Aroclor 1268	ND	ug/Kg dry	53.5	16.0		1	09/28/07

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*88 %*		*60-125*
Surrogate: Decachlorobiphenyl [2C]	*104 %*		*60-125*
Surrogate: Tetrachloro-m-xylene	*86 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*98 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil

Classical Chemistry

Analyte		Results	Units	MRL	Method	Limit	DF	Analyst	Analyzed
Corrosivity (pH)		**7.89**	S.U.	N/A	9045		1	EEM	09/25/07 11:25
Flashpoint	>	**200**	°F	N/A	1010		1	EEM	09/25/07
Reactive Cyanide		ND	mg/kg	2.0	7.3.3.2		1	EEM	09/25/07
Reactive Sulfide		ND	mg/kg	2.0	7.3.4.1		1	EEM	09/25/07

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: ML
Prepared: 09/27/07

Maine 4.1.25 Diesel Range Organics

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
Diesel Range Organics	**27.1**	mg/kg dry	20.1	2.74		1	09/28/07

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*86 %*		*50-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-2A
Date Sampled: 09/24/07 12:20
Percent Solids: 94
Initial Volume: 20.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-01
Sample Matrix: Soil
Analyst: MD
Prepared: 09/26/07

Maine 4.2.17 Gasoline Range Organics / Methanol

Analyte		Results	Units	MRL	MDL	Limit	DF	Analyzed
Gasoline Range Organics	J	**0.3**	mg/kg dry	1.0	0.2		1	09/26/07

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*87 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*91 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 100
Final Volume: 5
Extraction Method: 3510C

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: IBM
Prepared: 09/27/07
TCLP Date: 9/25/07

1311/8081A Pesticide TCLP Compounds

Analyte	Results	Units	MRL	TCLP Limit	DF	Analyzed
Chlordane (Total)	ND	mg/L	0.0050	0.03	1	09/28/07
Endrin	ND	mg/L	0.0005	0.02	1	09/28/07
gamma-BHC (Lindane)	ND	mg/L	0.0005	0.4	1	09/28/07
Heptachlor	ND	mg/L	0.0005	0.008	1	09/28/07
Heptachlor Epoxide	ND	mg/L	0.0005	0.008	1	09/28/07
Methoxychlor	ND	mg/L	0.0005	10	1	09/28/07
Toxaphene	ND	mg/L	0.0130	0.5	1	09/28/07

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*107 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*105 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*86 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*90 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil

TCLP Date: 9/25/07

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/L	0.05	1311/6010B	5	1	SVD	09/26/07	50	50
Barium	**0.54**	mg/L	0.05	1311/6010B	100	1	SVD	09/26/07	50	50
Cadmium	**0.012**	mg/L	0.005	1311/6010B	1	1	SVD	09/26/07	50	50
Chromium	ND	mg/L	0.02	1311/6010B	5	1	SVD	09/26/07	50	50
Lead	**0.36**	mg/L	0.02	1311/6010B	5	1	SVD	09/26/07	50	50
Mercury	ND	mg/L	0.0005	1311/7470A	0.2	1	JP	09/27/07	20	40
Selenium	ND	mg/L	0.05	1311/6010B	1	1	SVD	09/26/07	50	50
Silver	ND	mg/L	0.010	1311/6010B	5	1	SVD	09/26/07	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil

1311/8151A TCLP Herbicide Compounds

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
2,4,5-TP (Silvex)	See Attached								1	1
2,4-D	See Attached								1	1

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, inc.	Date Collected:	9/24/2007
Project:	Atlas	Date Received:	9/26/2007
Client Sample ID:	0709333-02	SDG No.:	Y4613
Lab Sample ID:	Y4613-02	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009376.D	1	9/27/2007	9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	1.000	U	2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	1.000	U	2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	532.36	106 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 200
Final Volume: 1
Extraction Method: 3520C

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 09/26/07
TCLP Date: 9/25/07

1311/8270C Semi Volatile TCLP Compounds

Analyte	Results	Units	MRL	TCLP Limit	DF	Analyzed
2,4,5-Trichlorophenol	ND	mg/L	0.05	400	1	09/28/07
2,4,6-Trichlorophenol	ND	mg/L	0.05	2	1	09/28/07
2,4-Dinitrotoluene	ND	mg/L	0.05	0.13	1	09/28/07
2-Methylphenol	ND	mg/L	0.05	200	1	09/28/07
3+4-Methylphenol	ND	mg/L	0.10	200	1	09/28/07
Hexachlorobenzene	ND	mg/L	0.05	0.13	1	09/28/07
Hexachlorobutadiene	ND	mg/L	0.05	0.5	1	09/28/07
Hexachloroethane	ND	mg/L	0.02	3	1	09/28/07
Nitrobenzene	ND	mg/L	0.05	2	1	09/28/07
Pentachlorophenol	ND	mg/L	0.25	100	1	09/28/07
Pyridine	ND	mg/L	0.50	5	1	09/28/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*50 %*		*15-110*
Surrogate: 2-Chlorophenol-d4	*45 %*		*15-110*
Surrogate: 2-Fluorobiphenyl	*89 %*		*30-130*
Surrogate: 2-Fluorophenol	*35 %*		*15-110*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: Phenol-d6	*37 %*		*15-110*
Surrogate: p-Terphenyl-d14	*86 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 20.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	89.9	28.8		1	09/26/07
1,1,1-Trichloroethane	ND	ug/Kg dry	45.0	10.8		1	09/26/07
1,1,2,2-Tetrachloroethane	ND	ug/Kg dry	45.0	12.6		1	09/26/07
1,1,2-Trichloroethane	ND	ug/Kg dry	45.0	18.9		1	09/26/07
1,1-Dichloroethane	ND	ug/Kg dry	45.0	12.6		1	09/26/07
1,1-Dichloroethene	ND	ug/Kg dry	45.0	9.9		1	09/26/07
1,1-Dichloropropene	ND	ug/Kg dry	45.0	8.1		1	09/26/07
1,2,3-Trichlorobenzene	ND	ug/Kg dry	45.0	9.9		1	09/26/07
1,2,3-Trichloropropane	ND	ug/Kg dry	45.0	22.5		1	09/26/07
1,2,4-Trichlorobenzene	ND	ug/Kg dry	45.0	9.0		1	09/26/07
1,2,4-Trimethylbenzene	ND	ug/Kg dry	45.0	9.9		1	09/26/07
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	225	89.9		1	09/26/07
1,2-Dibromoethane	ND	ug/Kg dry	45.0	9.0		1	09/26/07
1,2-Dichlorobenzene	ND	ug/Kg dry	45.0	9.0		1	09/26/07
1,2-Dichloroethane	ND	ug/Kg dry	45.0	10.8		1	09/26/07
1,2-Dichloropropane	ND	ug/Kg dry	45.0	12.6		1	09/26/07
1,3,5-Trimethylbenzene	ND	ug/Kg dry	45.0	11.7		1	09/26/07
1,3-Dichlorobenzene	ND	ug/Kg dry	45.0	9.9		1	09/26/07
1,3-Dichloropropane	ND	ug/Kg dry	45.0	8.1		1	09/26/07
1,4-Dichlorobenzene	ND	ug/Kg dry	45.0	11.7		1	09/26/07
1-Chlorohexane	ND	ug/Kg dry	45.0	10.8		1	09/26/07
2,2-Dichloropropane	ND	ug/Kg dry	89.9	20.7		1	09/26/07
2-Butanone	ND	ug/Kg dry	1120	183		1	09/26/07
2-Chlorotoluene	ND	ug/Kg dry	45.0	12.6		1	09/26/07
2-Hexanone	ND	ug/Kg dry	450	45.0		1	09/26/07
4-Chlorotoluene	ND	ug/Kg dry	45.0	10.8		1	09/26/07
4-Isopropyltoluene	ND	ug/Kg dry	45.0	10.8		1	09/26/07
4-Methyl-2-Pentanone	ND	ug/Kg dry	450	56.6		1	09/26/07
Acetone	ND	ug/Kg dry	1120	382		1	09/26/07
Benzene	ND	ug/Kg dry	45.0	12.6		1	09/26/07
Bromobenzene	ND	ug/Kg dry	45.0	9.0		1	09/26/07
Bromochloromethane	ND	ug/Kg dry	45.0	13.5		1	09/26/07
Bromodichloromethane	ND	ug/Kg dry	45.0	11.7		1	09/26/07
Bromoform	ND	ug/Kg dry	45.0	9.9		1	09/26/07
Bromomethane	ND	ug/Kg dry	89.9	9.0		1	09/26/07

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 20.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Carbon Disulfide		ND	ug/Kg dry	45.0	10.8	1	09/26/07
Carbon Tetrachloride		ND	ug/Kg dry	45.0	11.7	1	09/26/07
Chlorobenzene		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Chloroethane		ND	ug/Kg dry	89.9	27.0	1	09/26/07
Chloroform		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Chloromethane		ND	ug/Kg dry	89.9	13.5	1	09/26/07
cis-1,2-Dichloroethene		ND	ug/Kg dry	45.0	12.6	1	09/26/07
cis-1,3-Dichloropropene		ND	ug/Kg dry	45.0	9.0	1	09/26/07
Dibromochloromethane		ND	ug/Kg dry	45.0	7.2	1	09/26/07
Dibromomethane		ND	ug/Kg dry	45.0	11.7	1	09/26/07
Dichlorodifluoromethane		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Ethylbenzene		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Hexachlorobutadiene		ND	ug/Kg dry	45.0	19.8	1	09/26/07
Isopropylbenzene		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Methyl tert-Butyl Ether		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Methylene Chloride	B, J	**45.0**	ug/Kg dry	225	17.1	1	09/26/07
Naphthalene		ND	ug/Kg dry	45.0	7.2	1	09/26/07
n-Butylbenzene		ND	ug/Kg dry	45.0	9.9	1	09/26/07
n-Propylbenzene		ND	ug/Kg dry	45.0	9.0	1	09/26/07
sec-Butylbenzene		ND	ug/Kg dry	45.0	10.8	1	09/26/07
Styrene		ND	ug/Kg dry	45.0	10.8	1	09/26/07
tert-Butylbenzene		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Tetrachloroethene		ND	ug/Kg dry	45.0	10.8	1	09/26/07
Toluene		ND	ug/Kg dry	45.0	11.7	1	09/26/07
trans-1,2-Dichloroethene		ND	ug/Kg dry	45.0	14.4	1	09/26/07
trans-1,3-Dichloropropene		ND	ug/Kg dry	45.0	10.8	1	09/26/07
Trichloroethene		ND	ug/Kg dry	45.0	9.9	1	09/26/07
Trichlorofluoromethane		ND	ug/Kg dry	45.0	11.7	1	09/26/07
Vinyl Chloride		ND	ug/Kg dry	45.0	10.8	1	09/26/07
Xylene O		ND	ug/Kg dry	45.0	8.1	1	09/26/07
Xylene P,M		ND	ug/Kg dry	89.9	21.6	1	09/26/07

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-120*
Surrogate: 4-Bromofluorobenzene	*96 %*		*75-120*
Surrogate: Dibromofluoromethane	*107 %*		*85-115*
Surrogate: Toluene-d8	*98 %*		*85-120*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 20.2
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/27/07

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
Aroclor 1016	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1221	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1232	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1242	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1248	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1254	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1260	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1262	ND	ug/Kg dry	54.4	16.3		1	09/28/07
Aroclor 1268	ND	ug/Kg dry	54.4	16.3		1	09/28/07

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*81 %*		*60-125*
Surrogate: Decachlorobiphenyl [2C]	*83 %*		*60-125*
Surrogate: Tetrachloro-m-xylene	*76 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*86 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil

Classical Chemistry

Analyte		Results	Units	MRL	Method	Limit	DF	Analyst	Analyzed
Corrosivity (pH)		**7.98**	S.U.	N/A	9045		1	EEM	09/25/07 11:25
Flashpoint	>	**200**	°F	N/A	1010		1	EEM	09/25/07
Reactive Cyanide		ND	mg/kg	2.0	7.3.3.2		1	EEM	09/25/07
Reactive Sulfide		ND	mg/kg	2.0	7.3.4.1		1	EEM	09/25/07

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: ML
Prepared: 09/27/07

Maine 4.1.25 Diesel Range Organics

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
Diesel Range Organics	**36.8**	mg/kg dry	21.0	2.86		1	09/28/07

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*50-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: S9-P7-1A
Date Sampled: 09/24/07 12:45
Percent Solids: 91
Initial Volume: 20.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-02
Sample Matrix: Soil
Analyst: MD
Prepared: 09/26/07

Maine 4.2.17 Gasoline Range Organics / Methanol

Analyte		Results	Units	MRL	MDL	Limit	DF	Analyzed
Gasoline Range Organics	J	**0.5**	mg/kg dry	1.1	0.2		1	09/26/07

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*89 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*93 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: Trip blank
Date Sampled: 09/24/07 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-03
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	MDL	Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	ug/Kg	100	32.0		1	09/26/07
1,1,1-Trichloroethane	ND	ug/Kg	50.0	12.0		1	09/26/07
1,1,2,2-Tetrachloroethane	ND	ug/Kg	50.0	14.0		1	09/26/07
1,1,2-Trichloroethane	ND	ug/Kg	50.0	21.0		1	09/26/07
1,1-Dichloroethane	ND	ug/Kg	50.0	14.0		1	09/26/07
1,1-Dichloroethene	ND	ug/Kg	50.0	11.0		1	09/26/07
1,1-Dichloropropene	ND	ug/Kg	50.0	9.0		1	09/26/07
1,2,3-Trichlorobenzene	ND	ug/Kg	50.0	11.0		1	09/26/07
1,2,3-Trichloropropane	ND	ug/Kg	50.0	25.0		1	09/26/07
1,2,4-Trichlorobenzene	ND	ug/Kg	50.0	10.0		1	09/26/07
1,2,4-Trimethylbenzene	ND	ug/Kg	50.0	11.0		1	09/26/07
1,2-Dibromo-3-Chloropropane	ND	ug/Kg	250	100		1	09/26/07
1,2-Dibromoethane	ND	ug/Kg	50.0	10.0		1	09/26/07
1,2-Dichlorobenzene	ND	ug/Kg	50.0	10.0		1	09/26/07
1,2-Dichloroethane	ND	ug/Kg	50.0	12.0		1	09/26/07
1,2-Dichloropropane	ND	ug/Kg	50.0	14.0		1	09/26/07
1,3,5-Trimethylbenzene	ND	ug/Kg	50.0	13.0		1	09/26/07
1,3-Dichlorobenzene	ND	ug/Kg	50.0	11.0		1	09/26/07
1,3-Dichloropropane	ND	ug/Kg	50.0	9.0		1	09/26/07
1,4-Dichlorobenzene	ND	ug/Kg	50.0	13.0		1	09/26/07
1-Chlorohexane	ND	ug/Kg	50.0	12.0		1	09/26/07
2,2-Dichloropropane	ND	ug/Kg	100	23.0		1	09/26/07
2-Butanone	ND	ug/Kg	1250	204		1	09/26/07
2-Chlorotoluene	ND	ug/Kg	50.0	14.0		1	09/26/07
2-Hexanone	ND	ug/Kg	500	50.0		1	09/26/07
4-Chlorotoluene	ND	ug/Kg	50.0	12.0		1	09/26/07
4-Isopropyltoluene	ND	ug/Kg	50.0	12.0		1	09/26/07
4-Methyl-2-Pentanone	ND	ug/Kg	500	63.0		1	09/26/07
Acetone	ND	ug/Kg	1250	425		1	09/26/07
Benzene	ND	ug/Kg	50.0	14.0		1	09/26/07
Bromobenzene	ND	ug/Kg	50.0	10.0		1	09/26/07
Bromochloromethane	ND	ug/Kg	50.0	15.0		1	09/26/07
Bromodichloromethane	ND	ug/Kg	50.0	13.0		1	09/26/07
Bromoform	ND	ug/Kg	50.0	11.0		1	09/26/07
Bromomethane	ND	ug/Kg	100	10.0		1	09/26/07

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS
Client Sample ID: Trip blank
Date Sampled: 09/24/07 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0709333
ESS Laboratory Sample ID: 0709333-03
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Carbon Disulfide		ND	ug/Kg	50.0	12.0	1	09/26/07
Carbon Tetrachloride		ND	ug/Kg	50.0	13.0	1	09/26/07
Chlorobenzene		ND	ug/Kg	50.0	11.0	1	09/26/07
Chloroethane		ND	ug/Kg	100	30.0	1	09/26/07
Chloroform		ND	ug/Kg	50.0	11.0	1	09/26/07
Chloromethane		ND	ug/Kg	100	15.0	1	09/26/07
cis-1,2-Dichloroethene		ND	ug/Kg	50.0	14.0	1	09/26/07
cis-1,3-Dichloropropene		ND	ug/Kg	50.0	10.0	1	09/26/07
Dibromochloromethane		ND	ug/Kg	50.0	8.0	1	09/26/07
Dibromomethane		ND	ug/Kg	50.0	13.0	1	09/26/07
Dichlorodifluoromethane		ND	ug/Kg	50.0	11.0	1	09/26/07
Ethylbenzene		ND	ug/Kg	50.0	11.0	1	09/26/07
Hexachlorobutadiene		ND	ug/Kg	50.0	22.0	1	09/26/07
Isopropylbenzene		ND	ug/Kg	50.0	11.0	1	09/26/07
Methyl tert-Butyl Ether		ND	ug/Kg	50.0	11.0	1	09/26/07
Methylene Chloride	B, J	**49.0**	ug/Kg	250	19.0	1	09/26/07
Naphthalene		ND	ug/Kg	50.0	8.0	1	09/26/07
n-Butylbenzene		ND	ug/Kg	50.0	11.0	1	09/26/07
n-Propylbenzene		ND	ug/Kg	50.0	10.0	1	09/26/07
sec-Butylbenzene		ND	ug/Kg	50.0	12.0	1	09/26/07
Styrene		ND	ug/Kg	50.0	12.0	1	09/26/07
tert-Butylbenzene		ND	ug/Kg	50.0	11.0	1	09/26/07
Tetrachloroethene		ND	ug/Kg	50.0	12.0	1	09/26/07
Toluene		ND	ug/Kg	50.0	13.0	1	09/26/07
trans-1,2-Dichloroethene		ND	ug/Kg	50.0	16.0	1	09/26/07
trans-1,3-Dichloropropene		ND	ug/Kg	50.0	12.0	1	09/26/07
Trichloroethene		ND	ug/Kg	50.0	11.0	1	09/26/07
Trichlorofluoromethane		ND	ug/Kg	50.0	13.0	1	09/26/07
Vinyl Chloride		ND	ug/Kg	50.0	12.0	1	09/26/07
Xylene O		ND	ug/Kg	50.0	9.0	1	09/26/07
Xylene P,M		ND	ug/Kg	100	24.0	1	09/26/07

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-120*
Surrogate: 4-Bromofluorobenzene	*90 %*		*75-120*
Surrogate: Dibromofluoromethane	*99 %*		*85-115*
Surrogate: Toluene-d8	*91 %*		*85-120*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/8081A Pesticide TCLP Compounds										
Batch BI72723 - 3510C										
Blank										
Chlordane (Total)	ND	0.0050	mg/L							
Endrin	ND	0.0005	mg/L							
gamma-BHC (Lindane)	ND	0.0005	mg/L							
Heptachlor	ND	0.0005	mg/L							
Heptachlor Epoxide	ND	0.0005	mg/L							
Methoxychlor	ND	0.0005	mg/L							
Toxaphene	ND	0.0130	mg/L							
Surrogate: Decachlorobiphenyl	*0.00236*		mg/L	*0.00250*		*94*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.00232*		mg/L	*0.00250*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.00182*		mg/L	*0.00250*		*73*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.00193*		mg/L	*0.00250*		*77*	*30-150*			
LCS										
Endrin	0.0026	0.0005	mg/L	0.00250		104	40-140			
gamma-BHC (Lindane)	0.0026	0.0005	mg/L	0.00250		104	40-140			
Heptachlor	0.0023	0.0005	mg/L	0.00250		92	40-140			
Heptachlor Epoxide	0.0025	0.0005	mg/L	0.00250		100	40-140			
Methoxychlor	0.0027	0.0005	mg/L	0.00250		108	40-140			
Surrogate: Decachlorobiphenyl	*0.00253*		mg/L	*0.00250*		*101*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.00250*		mg/L	*0.00250*		*100*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.00232*		mg/L	*0.00250*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.00236*		mg/L	*0.00250*		*94*	*30-150*			
LCS Dup										
Endrin	0.0025	0.0005	mg/L	0.00250		100	40-140	4	20	
gamma-BHC (Lindane)	0.0024	0.0005	mg/L	0.00250		96	40-140	8	20	
Heptachlor	0.0022	0.0005	mg/L	0.00250		88	40-140	4	20	
Heptachlor Epoxide	0.0024	0.0005	mg/L	0.00250		96	40-140	4	20	
Methoxychlor	0.0025	0.0005	mg/L	0.00250		100	40-140	8	20	
Surrogate: Decachlorobiphenyl	*0.00245*		mg/L	*0.00250*		*98*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.00241*		mg/L	*0.00250*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.00218*		mg/L	*0.00250*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.00218*		mg/L	*0.00250*		*87*	*30-150*			
Matrix Spike **Source: 0709333-02**										
Endrin	0.0026	0.0005	mg/L	0.00250	ND	104	30-150			
gamma-BHC (Lindane)	0.0026	0.0005	mg/L	0.00250	ND	104	30-150			
Heptachlor	0.0023	0.0005	mg/L	0.00250	ND	92	30-150			
Heptachlor Epoxide	0.0025	0.0005	mg/L	0.00250	ND	100	30-150			
Methoxychlor	0.0027	0.0005	mg/L	0.00250	ND	108	30-150			
Surrogate: Decachlorobiphenyl	*0.00254*		mg/L	*0.00250*		*102*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.00250*		mg/L	*0.00250*		*100*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.00237*		mg/L	*0.00250*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.00236*		mg/L	*0.00250*		*94*	*30-150*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals										
Batch BI72604 - 3005A										
Blank										
Arsenic	ND	0.05	mg/L							
Barium	ND	0.05	mg/L							
Cadmium	ND	0.005	mg/L							
Chromium	ND	0.02	mg/L							
Lead	ND	0.02	mg/L							
Selenium	ND	0.05	mg/L							
Silver	ND	0.010	mg/L							
Blank										
Arsenic	ND	0.05	mg/L							
Barium	ND	0.05	mg/L							
Cadmium	ND	0.005	mg/L							
Chromium	ND	0.02	mg/L							
Lead	ND	0.02	mg/L							
Selenium	ND	0.05	mg/L							
Silver	ND	0.010	mg/L							
LCS										
Arsenic	0.56	0.05	mg/L	0.500		112	80-120			
Barium	0.51	0.05	mg/L	0.500		102	80-120			
Cadmium	0.272	0.005	mg/L	0.250		109	80-120			
Chromium	0.51	0.02	mg/L	0.500		102	80-120			
Lead	0.55	0.02	mg/L	0.500		110	80-120			
Selenium	1.16	0.05	mg/L	1.00		116	80-120			
Silver	0.272	0.010	mg/L	0.250		109	80-120			
LCS Dup										
Arsenic	0.57	0.05	mg/L	0.500		114	80-120	2	20	
Barium	0.51	0.05	mg/L	0.500		102	80-120	0	20	
Cadmium	0.274	0.005	mg/L	0.250		110	80-120	0.9	20	
Chromium	0.51	0.02	mg/L	0.500		102	80-120	0	20	
Lead	0.55	0.02	mg/L	0.500		110	80-120	0	20	
Selenium	1.18	0.05	mg/L	1.00		118	80-120	2	20	
Silver	0.273	0.010	mg/L	0.250		109	80-120	0.4	20	
Batch BI72605 - 245.1/7470A										
Blank										
Mercury	ND	0.0005	mg/L							
Blank										
Mercury	ND	0.0005	mg/L							
LCS										
Mercury	0.0061	0.0005	mg/L	0.00600		102	80-120			
LCS Dup										
Mercury	0.0062	0.0005	mg/L	0.00600		103	80-120	1	20	
1311/8270C Semi Volatile TCLP Compounds										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/8270C Semi Volatile TCLP Compounds										
Batch BI72631 - 3520C										
Blank										
2,4,5-Trichlorophenol	ND	0.05	mg/L							
2,4,6-Trichlorophenol	ND	0.05	mg/L							
2,4-Dinitrotoluene	ND	0.05	mg/L							
2-Methylphenol	ND	0.05	mg/L							
3+4-Methylphenol	ND	0.10	mg/L							
Hexachlorobenzene	ND	0.05	mg/L							
Hexachlorobutadiene	ND	0.05	mg/L							
Hexachloroethane	ND	0.02	mg/L							
Nitrobenzene	ND	0.05	mg/L							
Pentachlorophenol	ND	0.25	mg/L							
Pyridine	ND	0.50	mg/L							
Surrogate: 1,2-Dichlorobenzene-d4	*0.391*		mg/L	*0.500*		*78*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*0.432*		mg/L	*0.750*		*58*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*0.378*		mg/L	*0.750*		*50*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*0.384*		mg/L	*0.500*		*77*	*30-130*			
Surrogate: 2-Fluorophenol	*0.290*		mg/L	*0.750*		*39*	*15-110*			
Surrogate: Nitrobenzene-d5	*0.433*		mg/L	*0.500*		*87*	*30-130*			
Surrogate: Phenol-d6	*0.301*		mg/L	*0.750*		*40*	*15-110*			
Surrogate: p-Terphenyl-d14	*0.451*		mg/L	*0.500*		*90*	*30-130*			
LCS										
2,4,5-Trichlorophenol	0.46	0.05	mg/L	0.500		92	30-130			
2,4,6-Trichlorophenol	0.42	0.05	mg/L	0.500		84	30-130			
2,4-Dinitrotoluene	0.43	0.05	mg/L	0.500		86	40-140			
2-Methylphenol	0.35	0.05	mg/L	0.500		70	30-130			
3+4-Methylphenol	0.69	0.10	mg/L	1.00		69	30-130			
Hexachlorobenzene	0.42	0.05	mg/L	0.500		84	40-140			
Hexachlorobutadiene	0.36	0.05	mg/L	0.500		72	40-140			
Hexachloroethane	0.35	0.02	mg/L	0.500		70	40-140			
Nitrobenzene	0.37	0.05	mg/L	0.500		74	40-140			
Pentachlorophenol	0.43	0.25	mg/L	0.500		86	30-130			
Pyridine	0.30	0.50	mg/L	0.500		60	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*0.363*		mg/L	*0.500*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*0.604*		mg/L	*0.750*		*81*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*0.479*		mg/L	*0.750*		*64*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*0.489*		mg/L	*0.500*		*98*	*30-130*			
Surrogate: 2-Fluorophenol	*0.378*		mg/L	*0.750*		*50*	*15-110*			
Surrogate: Nitrobenzene-d5	*0.415*		mg/L	*0.500*		*83*	*30-130*			
Surrogate: Phenol-d6	*0.387*		mg/L	*0.750*		*52*	*15-110*			
Surrogate: p-Terphenyl-d14	*0.454*		mg/L	*0.500*		*91*	*30-130*			
LCS Dup										
2,4,5-Trichlorophenol	0.46	0.05	mg/L	0.500		92	30-130	0	20	
2,4,6-Trichlorophenol	0.44	0.05	mg/L	0.500		88	30-130	5	20	
2,4-Dinitrotoluene	0.41	0.05	mg/L	0.500		82	40-140	5	20	
2-Methylphenol	0.35	0.05	mg/L	0.500		70	30-130	0	20	
3+4-Methylphenol	0.67	0.10	mg/L	1.00		67	30-130	3	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/8270C Semi Volatile TCLP Compounds										
Batch BI72631 - 3520C										
Hexachlorobenzene	0.42	0.05	mg/L	0.500		84	40-140	0	20	
Hexachlorobutadiene	0.38	0.05	mg/L	0.500		76	40-140	5	20	
Hexachloroethane	0.36	0.02	mg/L	0.500		72	40-140	3	20	
Nitrobenzene	0.38	0.05	mg/L	0.500		76	40-140	3	20	
Pentachlorophenol	0.43	0.25	mg/L	0.500		86	30-130	0	20	
Pyridine	0.28	0.50	mg/L	0.500		56	40-140	7	20	
Surrogate: 1,2-Dichlorobenzene-d4	*0.358*		mg/L	*0.500*		*72*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*0.532*		mg/L	*0.750*		*71*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*0.449*		mg/L	*0.750*		*60*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*0.473*		mg/L	*0.500*		*95*	*30-130*			
Surrogate: 2-Fluorophenol	*0.347*		mg/L	*0.750*		*46*	*15-110*			
Surrogate: Nitrobenzene-d5	*0.398*		mg/L	*0.500*		*80*	*30-130*			
Surrogate: Phenol-d6	*0.336*		mg/L	*0.750*		*45*	*15-110*			
Surrogate: p-Terphenyl-d14	*0.401*		mg/L	*0.500*		*80*	*30-130*			
Matrix Spike Source: 0709333-01										
2,4,5-Trichlorophenol	0.46	0.05	mg/L	0.500	ND	92	30-130			
2,4,6-Trichlorophenol	0.43	0.05	mg/L	0.500	ND	86	30-130			
2,4-Dinitrotoluene	0.44	0.05	mg/L	0.500	ND	88	40-140			
2-Methylphenol	0.33	0.05	mg/L	0.500	ND	66	30-130			
3+4-Methylphenol	0.67	0.10	mg/L	1.00	ND	67	30-130			
Hexachlorobenzene	0.43	0.05	mg/L	0.500	ND	86	40-140			
Hexachlorobutadiene	0.36	0.05	mg/L	0.500	ND	72	40-140			
Hexachloroethane	0.33	0.02	mg/L	0.500	ND	66	40-140			
Nitrobenzene	0.37	0.05	mg/L	0.500	ND	74	40-140			
Pentachlorophenol	0.42	0.25	mg/L	0.500	ND	84	30-130			
Pyridine	0.29	0.50	mg/L	0.500	ND	58	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*0.343*		mg/L	*0.500*		*69*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*0.557*		mg/L	*0.750*		*74*	*15-110*			
Surrogate: 2-Chlorophenol-d4	*0.424*		mg/L	*0.750*		*57*	*15-110*			
Surrogate: 2-Fluorobiphenyl	*0.471*		mg/L	*0.500*		*94*	*30-130*			
Surrogate: 2-Fluorophenol	*0.327*		mg/L	*0.750*		*44*	*15-110*			
Surrogate: Nitrobenzene-d5	*0.393*		mg/L	*0.500*		*79*	*30-130*			
Surrogate: Phenol-d6	*0.337*		mg/L	*0.750*		*45*	*15-110*			
Surrogate: p-Terphenyl-d14	*0.422*		mg/L	*0.500*		*84*	*30-130*			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BI72601 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	100	ug/Kg wet							
1,1,1-Trichloroethane	ND	50.0	ug/Kg wet							
1,1,2,2-Tetrachloroethane	ND	50.0	ug/Kg wet							
1,1,2-Trichloroethane	ND	50.0	ug/Kg wet							
1,1-Dichloroethane	ND	50.0	ug/Kg wet							
1,1-Dichloroethene	ND	50.0	ug/Kg wet							
1,1-Dichloropropene	ND	50.0	ug/Kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BI72601 - 5035										
1,2,3-Trichlorobenzene	ND	50.0	ug/Kg wet							
1,2,3-Trichloropropane	ND	50.0	ug/Kg wet							
1,2,4-Trichlorobenzene	ND	50.0	ug/Kg wet							
1,2,4-Trimethylbenzene	ND	50.0	ug/Kg wet							
1,2-Dibromo-3-Chloropropane	ND	250	ug/Kg wet							
1,2-Dibromoethane	ND	50.0	ug/Kg wet							
1,2-Dichlorobenzene	ND	50.0	ug/Kg wet							
1,2-Dichloroethane	ND	50.0	ug/Kg wet							
1,2-Dichloropropane	ND	50.0	ug/Kg wet							
1,3,5-Trimethylbenzene	ND	50.0	ug/Kg wet							
1,3-Dichlorobenzene	ND	50.0	ug/Kg wet							
1,3-Dichloropropane	ND	50.0	ug/Kg wet							
1,4-Dichlorobenzene	ND	50.0	ug/Kg wet							
1-Chlorohexane	ND	50.0	ug/Kg wet							
2,2-Dichloropropane	ND	100	ug/Kg wet							
2-Butanone	ND	1250	ug/Kg wet							
2-Chlorotoluene	ND	50.0	ug/Kg wet							
2-Hexanone	ND	500	ug/Kg wet							
4-Chlorotoluene	ND	50.0	ug/Kg wet							
4-Isopropyltoluene	ND	50.0	ug/Kg wet							
4-Methyl-2-Pentanone	ND	500	ug/Kg wet							
Acetone	ND	1250	ug/Kg wet							
Benzene	ND	50.0	ug/Kg wet							
Bromobenzene	ND	50.0	ug/Kg wet							
Bromochloromethane	ND	50.0	ug/Kg wet							
Bromodichloromethane	ND	50.0	ug/Kg wet							
Bromoform	ND	50.0	ug/Kg wet							
Bromomethane	ND	100	ug/Kg wet							
Carbon Disulfide	ND	50.0	ug/Kg wet							
Carbon Tetrachloride	ND	50.0	ug/Kg wet							
Chlorobenzene	ND	50.0	ug/Kg wet							
Chloroethane	ND	100	ug/Kg wet							
Chloroform	ND	50.0	ug/Kg wet							
Chloromethane	ND	100	ug/Kg wet							
cis-1,2-Dichloroethene	ND	50.0	ug/Kg wet							
cis-1,3-Dichloropropene	ND	50.0	ug/Kg wet							
Dibromochloromethane	ND	50.0	ug/Kg wet							
Dibromomethane	ND	50.0	ug/Kg wet							
Dichlorodifluoromethane	ND	50.0	ug/Kg wet							
Ethylbenzene	ND	50.0	ug/Kg wet							
Hexachlorobutadiene	ND	50.0	ug/Kg wet							
Isopropylbenzene	ND	50.0	ug/Kg wet							
Methyl tert-Butyl Ether	ND	50.0	ug/Kg wet							
Methylene Chloride	49.0	250	ug/Kg wet							J
Naphthalene	ND	50.0	ug/Kg wet							
n-Butylbenzene	ND	50.0	ug/Kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BI72601 - 5035										
n-Propylbenzene	ND	50.0	ug/Kg wet							
sec-Butylbenzene	ND	50.0	ug/Kg wet							
Styrene	ND	50.0	ug/Kg wet							
tert-Butylbenzene	ND	50.0	ug/Kg wet							
Tetrachloroethene	ND	50.0	ug/Kg wet							
Toluene	ND	50.0	ug/Kg wet							
trans-1,2-Dichloroethene	ND	50.0	ug/Kg wet							
trans-1,3-Dichloropropene	ND	50.0	ug/Kg wet							
Trichloroethene	ND	50.0	ug/Kg wet							
Trichlorofluoromethane	ND	50.0	ug/Kg wet							
Vinyl Chloride	ND	50.0	ug/Kg wet							
Xylene O	ND	50.0	ug/Kg wet							
Xylene P,M	ND	100	ug/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2280*		ug/Kg wet	*2500*		*91*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2230*		ug/Kg wet	*2500*		*89*	*75-120*			
Surrogate: Dibromofluoromethane	*2490*		ug/Kg wet	*2500*		*100*	*85-115*			
Surrogate: Toluene-d8	*2270*		ug/Kg wet	*2500*		*91*	*85-120*			
LCS										
1,1,1,2-Tetrachloroethane	23.4		ug/L	25.0		94	75-125			
1,1,1-Trichloroethane	25.6		ug/L	25.0		102	70-135			
1,1,2,2-Tetrachloroethane	23.5		ug/L	25.0		94	55-130			
1,1,2-Trichloroethane	26.0		ug/L	25.0		104	60-125			
1,1-Dichloroethane	25.8		ug/L	25.0		103	75-125			
1,1-Dichloroethene	25.7		ug/L	25.0		103	65-135			
1,1-Dichloropropene	26.4		ug/L	25.0		106	70-135			
1,2,3-Trichlorobenzene	22.0		ug/L	25.0		88	60-135			
1,2,3-Trichloropropane	23.2		ug/L	25.0		93	65-130			
1,2,4-Trichlorobenzene	22.2		ug/L	25.0		89	65-130			
1,2,4-Trimethylbenzene	23.3		ug/L	25.0		93	65-135			
1,2-Dibromo-3-Chloropropane	22.6		ug/L	25.0		90	40-135			
1,2-Dibromoethane	24.3		ug/L	25.0		97	70-125			
1,2-Dichlorobenzene	22.8		ug/L	25.0		91	75-120			
1,2-Dichloroethane	24.7		ug/L	25.0		99	70-135			
1,2-Dichloropropane	26.2		ug/L	25.0		105	70-120			
1,3,5-Trimethylbenzene	23.2		ug/L	25.0		93	65-135			
1,3-Dichlorobenzene	22.5		ug/L	25.0		90	70-125			
1,3-Dichloropropane	24.3		ug/L	25.0		97	75-125			
1,4-Dichlorobenzene	22.5		ug/L	25.0		90	70-125			
1-Chlorohexane	24.3		ug/L	25.0		97	70-130			
2,2-Dichloropropane	25.4		ug/L	25.0		102	65-135			
2-Butanone	149		ug/L	125		119	30-160			
2-Chlorotoluene	24.8		ug/L	25.0		99	70-130			
2-Hexanone	132		ug/L	125		106	45-145			
4-Chlorotoluene	22.9		ug/L	25.0		92	75-125			
4-Isopropyltoluene	22.3		ug/L	25.0		89	75-135			
4-Methyl-2-Pentanone	132		ug/L	125		106	45-145			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BI72601 - 5035										
Acetone	168		ug/L	125		134	20-160			
Benzene	25.7		ug/L	25.0		103	75-125			
Bromobenzene	23.6		ug/L	25.0		94	65-120			
Bromochloromethane	25.0		ug/L	25.0		100	70-125			
Bromodichloromethane	25.6		ug/L	25.0		102	70-130			
Bromoform	23.9		ug/L	25.0		96	55-135			
Bromomethane	30.1		ug/L	25.0		120	30-160			
Carbon Disulfide	28.4		ug/L	25.0		114	45-160			
Carbon Tetrachloride	26.1		ug/L	25.0		104	65-135			
Chlorobenzene	23.1		ug/L	25.0		92	75-125			
Chloroethane	29.0		ug/L	25.0		116	40-155			
Chloroform	25.4		ug/L	25.0		102	70-125			
Chloromethane	25.9		ug/L	25.0		104	50-130			
cis-1,2-Dichloroethene	25.4		ug/L	25.0		102	65-125			
cis-1,3-Dichloropropene	26.0		ug/L	25.0		104	70-125			
Dibromochloromethane	23.1		ug/L	25.0		92	65-130			
Dibromomethane	25.9		ug/L	25.0		104	75-130			
Dichlorodifluoromethane	29.9		ug/L	25.0		120	35-135			
Ethylbenzene	24.2		ug/L	25.0		97	75-125			
Hexachlorobutadiene	24.0		ug/L	25.0		96	55-140			
Isopropylbenzene	21.1		ug/L	25.0		84	75-130			
Methyl tert-Butyl Ether	26.2		ug/L	25.0		105	70-130			
Methylene Chloride	25.8		ug/L	25.0		103	55-140			B
Naphthalene	21.4		ug/L	25.0		86	40-125			
n-Butylbenzene	23.1		ug/L	25.0		92	65-140			
n-Propylbenzene	22.1		ug/L	25.0		88	65-135			
sec-Butylbenzene	22.7		ug/L	25.0		91	65-130			
Styrene	24.2		ug/L	25.0		97	75-125			
tert-Butylbenzene	22.3		ug/L	25.0		89	65-130			
Tetrachloroethene	26.3		ug/L	25.0		105	65-140			
Toluene	25.5		ug/L	25.0		102	70-125			
trans-1,2-Dichloroethene	26.2		ug/L	25.0		105	65-135			
trans-1,3-Dichloropropene	24.2		ug/L	25.0		97	65-125			
Trichloroethene	25.5		ug/L	25.0		102	75-125			
Trichlorofluoromethane	23.4		ug/L	25.0		94	25-185			
Vinyl Chloride	27.1		ug/L	25.0		108	60-125			
Xylene O	23.8		ug/L	25.0		95	75-125			
Xylene P,M	47.8		ug/L	50.0		96	80-125			
Surrogate: 1,2-Dichloroethane-d4	*2160*		ug/Kg wet	*2500*		*86*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2000*		ug/Kg wet	*2500*		*80*	*75-120*			
Surrogate: Dibromofluoromethane	*2140*		ug/Kg wet	*2500*		*86*	*85-115*			
Surrogate: Toluene-d8	*2040*		ug/Kg wet	*2500*		*82*	*85-120*			*S-*
LCS Dup										
1,1,1,2-Tetrachloroethane	23.6		ug/L	25.0		94	75-125	0.9	30	
1,1,1-Trichloroethane	25.5		ug/L	25.0		102	70-135	0.4	30	
1,1,2,2-Tetrachloroethane	23.7		ug/L	25.0		95	55-130	0.8	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BI72601 - 5035										
1,1,2-Trichloroethane	26.4		ug/L	25.0		106	60-125	2	30	
1,1-Dichloroethane	26.0		ug/L	25.0		104	75-125	0.8	30	
1,1-Dichloroethene	25.6		ug/L	25.0		102	65-135	0.4	30	
1,1-Dichloropropene	26.2		ug/L	25.0		105	70-135	0.8	30	
1,2,3-Trichlorobenzene	21.8		ug/L	25.0		87	60-135	0.9	30	
1,2,3-Trichloropropane	23.6		ug/L	25.0		94	65-130	2	30	
1,2,4-Trichlorobenzene	22.4		ug/L	25.0		90	65-130	0.9	30	
1,2,4-Trimethylbenzene	23.4		ug/L	25.0		94	65-135	0.4	30	
1,2-Dibromo-3-Chloropropane	22.8		ug/L	25.0		91	40-135	0.9	30	
1,2-Dibromoethane	24.5		ug/L	25.0		98	70-125	0.8	30	
1,2-Dichlorobenzene	22.9		ug/L	25.0		92	75-120	0.4	30	
1,2-Dichloroethane	25.0		ug/L	25.0		100	70-135	1	30	
1,2-Dichloropropane	26.3		ug/L	25.0		105	70-120	0.4	30	
1,3,5-Trimethylbenzene	23.2		ug/L	25.0		93	65-135	0	30	
1,3-Dichlorobenzene	22.6		ug/L	25.0		90	70-125	0.4	30	
1,3-Dichloropropane	24.4		ug/L	25.0		98	75-125	0.4	30	
1,4-Dichlorobenzene	22.9		ug/L	25.0		92	70-125	2	30	
1-Chlorohexane	23.9		ug/L	25.0		96	70-130	2	30	
2,2-Dichloropropane	27.7		ug/L	25.0		111	65-135	9	30	
2-Butanone	147		ug/L	125		118	30-160	1	30	
2-Chlorotoluene	25.2		ug/L	25.0		101	70-130	2	30	
2-Hexanone	131		ug/L	125		105	45-145	0.8	30	
4-Chlorotoluene	23.2		ug/L	25.0		93	75-125	1	30	
4-Isopropyltoluene	22.1		ug/L	25.0		88	75-135	0.9	30	
4-Methyl-2-Pentanone	132		ug/L	125		106	45-145	0	30	
Acetone	160		ug/L	125		128	20-160	5	30	
Benzene	25.9		ug/L	25.0		104	75-125	0.8	30	
Bromobenzene	23.7		ug/L	25.0		95	65-120	0.4	30	
Bromochloromethane	25.2		ug/L	25.0		101	70-125	0.8	30	
Bromodichloromethane	25.6		ug/L	25.0		102	70-130	0	30	
Bromoform	23.8		ug/L	25.0		95	55-135	0.4	30	
Bromomethane	29.9		ug/L	25.0		120	30-160	0.7	30	
Carbon Disulfide	27.7		ug/L	25.0		111	45-160	2	30	
Carbon Tetrachloride	26.0		ug/L	25.0		104	65-135	0.4	30	
Chlorobenzene	23.4		ug/L	25.0		94	75-125	1	30	
Chloroethane	29.5		ug/L	25.0		118	40-155	2	30	
Chloroform	25.5		ug/L	25.0		102	70-125	0.4	30	
Chloromethane	25.9		ug/L	25.0		104	50-130	0	30	
cis-1,2-Dichloroethene	25.6		ug/L	25.0		102	65-125	0.8	30	
cis-1,3-Dichloropropene	26.4		ug/L	25.0		106	70-125	2	30	
Dibromochloromethane	23.3		ug/L	25.0		93	65-130	0.9	30	
Dibromomethane	26.3		ug/L	25.0		105	75-130	2	30	
Dichlorodifluoromethane	29.1		ug/L	25.0		116	35-135	3	30	
Ethylbenzene	24.2		ug/L	25.0		97	75-125	0	30	
Hexachlorobutadiene	23.4		ug/L	25.0		94	55-140	3	30	
Isopropylbenzene	21.2		ug/L	25.0		85	75-130	0.5	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BI72601 - 5035										
Methyl tert-Butyl Ether	26.6		ug/L	25.0		106	70-130	2	30	
Methylene Chloride	26.3		ug/L	25.0		105	55-140	2	30	B
Naphthalene	21.5		ug/L	25.0		86	40-125	0.5	30	
n-Butylbenzene	23.0		ug/L	25.0		92	65-140	0.4	30	
n-Propylbenzene	21.8		ug/L	25.0		87	65-135	1	30	
sec-Butylbenzene	22.5		ug/L	25.0		90	65-130	0.9	30	
Styrene	24.6		ug/L	25.0		98	75-125	2	30	
tert-Butylbenzene	22.6		ug/L	25.0		90	65-130	1	30	
Tetrachloroethene	25.0		ug/L	25.0		100	65-140	5	30	
Toluene	25.6		ug/L	25.0		102	70-125	0.4	30	
trans-1,2-Dichloroethene	26.2		ug/L	25.0		105	65-135	0	30	
trans-1,3-Dichloropropene	24.4		ug/L	25.0		98	65-125	0.8	30	
Trichloroethene	25.5		ug/L	25.0		102	75-125	0	30	
Trichlorofluoromethane	22.5		ug/L	25.0		90	25-185	4	30	
Vinyl Chloride	27.0		ug/L	25.0		108	60-125	0.4	30	
Xylene O	24.5		ug/L	25.0		98	75-125	3	30	
Xylene P,M	47.7		ug/L	50.0		95	80-125	0.2	30	
Surrogate: 1,2-Dichloroethane-d4	*2410*		ug/Kg wet	*2500*		*96*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2260*		ug/Kg wet	*2500*		*90*	*75-120*			
Surrogate: Dibromofluoromethane	*2400*		ug/Kg wet	*2500*		*96*	*85-115*			
Surrogate: Toluene-d8	*2290*		ug/Kg wet	*2500*		*92*	*85-120*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BI72731 - 3541										
Blank										
Aroclor 1016	ND	50.0	ug/Kg wet							
Aroclor 1016 (1)	ND	50.0	ug/Kg wet							
Aroclor 1016 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1016 (2)	ND	50.0	ug/Kg wet							
Aroclor 1016 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1016 (3)	ND	50.0	ug/Kg wet							
Aroclor 1016 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1016 (4)	ND	50.0	ug/Kg wet							
Aroclor 1016 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1016 (5)	ND	50.0	ug/Kg wet							
Aroclor 1016 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1221	ND	50.0	ug/Kg wet							
Aroclor 1221 (1)	ND	50.0	ug/Kg wet							
Aroclor 1221 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1221 (2)	ND	50.0	ug/Kg wet							
Aroclor 1221 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1221 (3)	ND	50.0	ug/Kg wet							
Aroclor 1221 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1221 (4)	ND	50.0	ug/Kg wet							
Aroclor 1221 (4) [2C]	ND	50.0	ug/Kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BI72731 - 3541										
Aroclor 1221 (5)	ND	50.0	ug/Kg wet							
Aroclor 1221 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1232	ND	50.0	ug/Kg wet							
Aroclor 1232 (1)	ND	50.0	ug/Kg wet							
Aroclor 1232 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1232 (2)	ND	50.0	ug/Kg wet							
Aroclor 1232 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1232 (3)	ND	50.0	ug/Kg wet							
Aroclor 1232 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1232 (4)	ND	50.0	ug/Kg wet							
Aroclor 1232 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1232 (5)	ND	50.0	ug/Kg wet							
Aroclor 1232 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1242	ND	50.0	ug/Kg wet							
Aroclor 1242 (1)	ND	50.0	ug/Kg wet							
Aroclor 1242 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1242 (2)	ND	50.0	ug/Kg wet							
Aroclor 1242 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1242 (3)	ND	50.0	ug/Kg wet							
Aroclor 1242 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1242 (4)	ND	50.0	ug/Kg wet							
Aroclor 1242 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1242 (5)	ND	50.0	ug/Kg wet							
Aroclor 1242 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1248	ND	50.0	ug/Kg wet							
Aroclor 1248 (1)	ND	50.0	ug/Kg wet							
Aroclor 1248 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1248 (2)	ND	50.0	ug/Kg wet							
Aroclor 1248 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1248 (3)	ND	50.0	ug/Kg wet							
Aroclor 1248 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1248 (4)	ND	50.0	ug/Kg wet							
Aroclor 1248 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1248 (5)	ND	50.0	ug/Kg wet							
Aroclor 1248 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1254	ND	50.0	ug/Kg wet							
Aroclor 1254 (1)	ND	50.0	ug/Kg wet							
Aroclor 1254 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1254 (2)	ND	50.0	ug/Kg wet							
Aroclor 1254 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1254 (3)	ND	50.0	ug/Kg wet							
Aroclor 1254 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1254 (4)	ND	50.0	ug/Kg wet							
Aroclor 1254 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1254 (5)	ND	50.0	ug/Kg wet							
Aroclor 1254 (5) [2C]	ND	50.0	ug/Kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BI72731 - 3541										
Aroclor 1260	ND	50.0	ug/Kg wet							
Aroclor 1260 (1)	ND	50.0	ug/Kg wet							
Aroclor 1260 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1260 (2)	ND	50.0	ug/Kg wet							
Aroclor 1260 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1260 (3)	ND	50.0	ug/Kg wet							
Aroclor 1260 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1260 (4)	ND	50.0	ug/Kg wet							
Aroclor 1260 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1260 (5)	ND	50.0	ug/Kg wet							
Aroclor 1260 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1262	ND	50.0	ug/Kg wet							
Aroclor 1262 (1)	ND	50.0	ug/Kg wet							
Aroclor 1262 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1262 (2)	ND	50.0	ug/Kg wet							
Aroclor 1262 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1262 (3)	ND	50.0	ug/Kg wet							
Aroclor 1262 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1262 (4)	ND	50.0	ug/Kg wet							
Aroclor 1262 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1262 (5)	ND	50.0	ug/Kg wet							
Aroclor 1262 (5) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1268	ND	50.0	ug/Kg wet							
Aroclor 1268 (1)	ND	50.0	ug/Kg wet							
Aroclor 1268 (1) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1268 (2)	ND	50.0	ug/Kg wet							
Aroclor 1268 (2) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1268 (3)	ND	50.0	ug/Kg wet							
Aroclor 1268 (3) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1268 (4)	ND	50.0	ug/Kg wet							
Aroclor 1268 (4) [2C]	ND	50.0	ug/Kg wet							
Aroclor 1268 (5)	ND	50.0	ug/Kg wet							
Aroclor 1268 (5) [2C]	ND	50.0	ug/Kg wet							
Surrogate: Decachlorobiphenyl	*22.0*		ug/Kg wet	*25.0*		*88*	*60-125*			
Surrogate: Decachlorobiphenyl [2C]	*22.7*		ug/Kg wet	*25.0*		*91*	*60-125*			
Surrogate: Tetrachloro-m-xylene	*22.3*		ug/Kg wet	*25.0*		*89*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*25.5*		ug/Kg wet	*25.0*		*102*	*30-150*			
LCS										
Aroclor 1016	444	50.0	ug/Kg wet	500		89	40-140			
Aroclor 1260	429	50.0	ug/Kg wet	500		86	60-130			
Surrogate: Decachlorobiphenyl	*22.4*		ug/Kg wet	*25.0*		*90*	*60-125*			
Surrogate: Decachlorobiphenyl [2C]	*23.1*		ug/Kg wet	*25.0*		*92*	*60-125*			
Surrogate: Tetrachloro-m-xylene	*23.6*		ug/Kg wet	*25.0*		*94*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*25.5*		ug/Kg wet	*25.0*		*102*	*30-150*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BI72731 - 3541										
LCS Dup										
Aroclor 1016	452	50.0	ug/Kg wet	500		90	40-140	2	30	
Aroclor 1260	436	50.0	ug/Kg wet	500		87	60-130	2	30	
Surrogate: Decachlorobiphenyl	*22.6*		ug/Kg wet	*25.0*		*90*	*60-125*			
Surrogate: Decachlorobiphenyl [2C]	*23.5*		ug/Kg wet	*25.0*		*94*	*60-125*			
Surrogate: Tetrachloro-m-xylene	*24.1*		ug/Kg wet	*25.0*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*26.0*		ug/Kg wet	*25.0*		*104*	*30-150*			
Matrix Spike Source: 0709333-02										
Aroclor 1016	444	55.5	ug/Kg dry	555	ND	80	40-140			
Aroclor 1260	409	55.5	ug/Kg dry	555	ND	74	60-130			
Surrogate: Decachlorobiphenyl	*21.1*		ug/Kg dry	*27.8*		*76*	*60-125*			
Surrogate: Decachlorobiphenyl [2C]	*23.9*		ug/Kg dry	*27.8*		*86*	*60-125*			
Surrogate: Tetrachloro-m-xylene	*21.7*		ug/Kg dry	*27.8*		*78*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*23.3*		ug/Kg dry	*27.8*		*84*	*30-150*			
Matrix Spike Dup Source: 0709333-02										
Aroclor 1016	493	53.3	ug/Kg dry	533	ND	92	40-140	10	30	
Aroclor 1260	411	53.3	ug/Kg dry	533	ND	77	60-130	0.5	30	
Surrogate: Decachlorobiphenyl	*21.3*		ug/Kg dry	*26.7*		*80*	*60-125*			
Surrogate: Decachlorobiphenyl [2C]	*23.0*		ug/Kg dry	*26.7*		*86*	*60-125*			
Surrogate: Tetrachloro-m-xylene	*22.2*		ug/Kg dry	*26.7*		*83*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*23.8*		ug/Kg dry	*26.7*		*89*	*30-150*			
Classical Chemistry										
Batch BI72624 - General Preparation										
Duplicate Source: 0709333-02										
Corrosivity (pH)	7.97		S.U.		7.98			0.1	200	
Maine 4.1.25 Diesel Range Organics										
Batch BI72722 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	18.8	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Maine 4.1.25 Diesel Range Organics										
Batch BI72722 - 3541										
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.00*		*88*	*50-150*			
LCS										
Decane (C10)	1.60	0.26	mg/kg wet	2.50		64	60-140			
Docosane (C22)	2.08	0.26	mg/kg wet	2.50		83	60-140			
Dodecane (C12)	1.81	0.26	mg/kg wet	2.50		72	60-140			
Eicosane (C20)	2.06	0.26	mg/kg wet	2.50		82	60-140			
Hexacosane (C26)	2.04	0.26	mg/kg wet	2.50		82	60-140			
Hexadecane (C16)	2.00	0.26	mg/kg wet	2.50		80	60-140			
Nonadecane (C19)	2.07	0.26	mg/kg wet	2.50		83	60-140			
Octacosane (C28)	2.04	0.26	mg/kg wet	2.50		82	60-140			
Octadecane (C18)	2.06	0.26	mg/kg wet	2.50		82	60-140			
Tetracosane (C24)	2.00	0.26	mg/kg wet	2.50		80	60-140			
Tetradecane (C14)	1.96	0.26	mg/kg wet	2.50		78	60-140			
Surrogate: O-Terphenyl	*3.84*		mg/kg wet	*5.00*		*77*	*50-150*			
LCS Dup										
Decane (C10)	2.09	0.26	mg/kg wet	2.50		84	60-140	27	20	D+
Docosane (C22)	2.54	0.26	mg/kg wet	2.50		102	60-140	20	20	
Dodecane (C12)	2.28	0.26	mg/kg wet	2.50		91	60-140	23	20	D+
Eicosane (C20)	2.52	0.26	mg/kg wet	2.50		101	60-140	20	20	
Hexacosane (C26)	2.51	0.26	mg/kg wet	2.50		100	60-140	21	20	D+
Hexadecane (C16)	2.48	0.26	mg/kg wet	2.50		99	60-140	21	20	D+
Nonadecane (C19)	2.53	0.26	mg/kg wet	2.50		101	60-140	20	20	
Octacosane (C28)	2.54	0.26	mg/kg wet	2.50		102	60-140	22	20	D+
Octadecane (C18)	2.53	0.26	mg/kg wet	2.50		101	60-140	20	20	
Tetracosane (C24)	2.45	0.26	mg/kg wet	2.50		98	60-140	20	20	
Tetradecane (C14)	2.46	0.26	mg/kg wet	2.50		98	60-140	23	20	D+
Surrogate: O-Terphenyl	*4.68*		mg/kg wet	*5.00*		*94*	*50-150*			
Maine 4.2.17 Gasoline Range Organics / Methanol										
Batch BI72609 - 5035										
Blank										
Gasoline Range Organics	ND	1.2	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*48.3*		ug/L	*50.0*		*97*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.21*		mg/kg wet	*1.33*		*91*	*70-130*			
LCS										
Gasoline Range Organics	495		ug/L	500		99	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*49.0*		ug/L	*50.0*		*98*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.35*		mg/kg wet	*1.33*		*102*	*70-130*			
LCS Dup										
Gasoline Range Organics	483		ug/L	500		97	60-140	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Maine 4.2.17 Gasoline Range Organics / Methanol										
Batch BI72609 - 5035										
Surrogate: 2,5-Dibromotoluene - FID	*46.4*		ug/L	*50.0*		*93*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.24*		mg/kg wet	*1.33*		*93*	*70-130*			

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, inc.	Date Collected:	
Project:	Atlas	Date Received:	
Client Sample ID:	PB29309B	SDG No.:	Y4613
Lab Sample ID:	PB29309B	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009369.D	1	9/27/2007	9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	1.000	U	2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	1.000	U	2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	536.56	107 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, inc.	Date Collected:	
Project:	Atlas	Date Received:	
Client Sample ID:	PB29309BS	SDG No.:	Y4613
Lab Sample ID:	PB29309BS	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009370.D	1	9/27/2007	9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	5.6		2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	6.0		2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	566.21	113 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, inc.	Date Collected:	
Project:	Atlas	Date Received:	
Client Sample ID:	PB29309TB	SDG No.:	Y4613
Lab Sample ID:	PB29309TB	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009371.D	1	9/27/2007	9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	1.000	U	2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	1.000	U	2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	537.38	107 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, inc.	Date Collected:	
Project:	Atlas	Date Received:	
Client Sample ID:	Y4607-02MS	SDG No.:	Y4613
Lab Sample ID:	Y4607-02MS	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009377.D	1		9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	5.5		2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	5.8		2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	562.97	113 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	ESS Laboratory, inc.	Date Collected:	
Project:	Atlas	Date Received:	
Client Sample ID:	Y4607-02MSD	SDG No.:	Y4613
Lab Sample ID:	Y4607-02MSD	Matrix:	TCLP
Analytical Method:	8151	% Moisture:	100
Sample Wt/Vol:	500 mL	Extract Vol:	5000 uL

File ID:	Dilution:	Date Prep	Date Analyzed	Analytical Batch ID
P8009378.D	1		9/28/2007	P8092507

CAS Number	Parameter	Conc	Qualifier	RL	MDL	Units
TARGETS						
94-75-7	2,4-D	5.7		2.0	1.000	ug/L
93-72-1	2,4,5-TP (Silvex)	5.9		2.0	1.000	ug/L
SURROGATES						
	2,4-DCAA	552.13	110 %	45 - 140		SPK: 500

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

Notes and Definitions

Z-08	See Attached
U	Analyte included in the analysis, but not detected
S-	Surrogate recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
B	Present in Blank.
>	Greater than.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: RC & D
Client Project ID: BNAS

ESS Laboratory Work Order: 0709333

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time X Standard Other _____
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA RI CT NH NJ NY (ME) Other _____
Is this project for any of the following: MA-MCP (Navy) USACE Other _____

Reporting Limits: ME RAGS / EPA REGION 9

ESS LAB PROJECT ID: 0709333

Electronic Deliverable X Yes ___ No
Format: Excel X Access ___ PDF ___ Other _____

Co. Name: RC+D INC.
Project #:
Project Name (20 Char. or less): BIMAS
Contact Person: ROB SCHUSTER
Address: 17 GORDON AVENUE / SUITE 205
City: PROVIDENCE State: RI Zip: 02905 PO#:
Telephone #: 401-270-5483 Fax #: 401-270-5486 Email Address: rschuster@rcnding.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	TCLP VOCS *	TCLP SVOC / PEST.	TCLP RCRA 8	TCLP HERB.	TOTAL PCBS	REACTIVITY (CN+S)	FLASHPOINT	pH	GRO / DRO **						
1	9/24/07	1220	X		S	S9-P7-2A	1/6	9	9/V	X	X	X	X	X	X	X	X	X						
2	9/24/07	1245	X		S	S9-P7-1A	1/6	9	9/V	X	X	X	X	X	X	X	X	X						
3						TRIP BLANK																		

Write Required Analysis

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ___
Cooler Temp: 5.1

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCL, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: ROBERT SCHUSTER

Comments: * 5 VOA SAMPLES TO BE COMPOSITED BY LABORATORY
** PRO/GRO BY MAINE TPH 4.1.25 / 4.1.17

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/25/07 1043		92507 10:43				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A